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UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Multiple vitamin preparation. Serial No. 596,697, July 3. Class 18.

Acro Welder Mfg. Co., Milwaukee, Wis. Heavy duty high power stationary and semi-portable electrical welders and brazers. Serial No. 575,114, July 3. Class 21.

Admiral Corporation, Chicago, Ill. Radio and television antennas. Serial No. 586,262, July 3. Class 21.

Ahmco Products, Incorporated, Cambridge, Mass. Children's T shirts. Serial No. 598,446, July 3. Class 39.

Aidens, Inc., Chicago, Ill. Boys' wearing apparel. Serial No. 588,194, July 3. Class 39.

Alhydro, Inc., Baltimore, Md. Electrolytic floc producer. Serial No. 562,743, July 3. Class 21.

All-America Selections, Harrisburg, Pa. Flower and vegetable seeds. Serial No. 584,259, July 3. Class 1.

Allied Chemical & Dye Corporation, New York, N. Y. Preparation for use in paints to prevent skinning. Serial No. 599,800, July 3. Class 16.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Surface type heat exchangers, direct contact heat exchangers, deaerating heaters, etc. Serial No. 589,299, July 3. Class 34.

American Chain & Cable Company, Inc.: *See*—
Owen Silent Spring Company, Inc.

American Fabrics Company, The, Bridgeport, Conn. Piece goods, luncheon sets, pillow cases, etc. Serial No. 595,928, July 3. Class 42.

American Silk Mills Inc., New York, N. Y. Textile piece goods. Serial No. 549,105, July 3. Class 42.

Anabolic Food Products, Inc., Glendale, Calif. Supplemental food preparations. Serial No. 540,240, July 3. Class 46.

Anchor Appliance Mfg. Co., Columbus, Ohio. Fluorescent, silhuline and incandescent light fixtures. Serial No. 597,037, July 3. Class 21.

Anderson, Edward H., & Co., Chicago, Ill. Potatoes. Serial No. 594,433, July 3. Class 46.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfume, toilet water, lipstick, etc. Serial No. 601,704, July 3. Class 51.

Ariston Canning Co., Cologne, N. J. Canned fruits, berries, and vegetables. Serial No. 576,949, July 3. Class 46.

Armour and Company, Chicago, Ill. Bacon. Serial No. 540,140, July 3. Class 46.

Armour and Company, Chicago, Ill. Food product. Serial No. 574,881, July 3. Class 46.

Armour and Company, Chicago, Ill. Soap. Serial No. 581,792, July 3. Class 52.

Arnold, S. M., Inc., St. Louis, Mo. Sponges and chamois. Serial No. 596,644, July 3. Class 1.

Arnold Tackle Corporation, The, Paw Paw, Mich. Artificial bait. Serial No. 603,709, July 3. Class 22.

Arnold Tackle Corporation, The, Paw Paw, Mich. Artificial bait. Serial No. 603,711, July 3. Class 22.

Artistic Foundations, Inc., New York, N. Y. Women's and misses' T-shirts, outer shorts, garden coats, etc. Serial No. 582,514, July 3. Class 39.

Asselin Creamery Company, Norway, Mich. Ice cream sundaes. Serial No. 603,040, July 3. Class 46.

Atlantic Paint & Varnish Works, Inc., Wilmington, N. C. Semi-paste paints, ready mixed paints, flat paints, etc. Serial No. 596,473, July 3. Class 16.

Audivox, Inc., New York, N. Y. Hearing aids, and accessories therefor. Serial No. 599,144, July 3. Class 44.

Bags, Inc., also doing business under the name Wipo Manufacturing Co., Columbus, Ga. Industrial wiping towels, and fabric squares. Serial No. 575,116, July 3. Class 42.

Balch Flavor Company: *See*—
Balch, Gerald G.

Balch, Gerald G., doing business as Balch Flavor Company, Pittsburgh, Pa. Flavoring syrups. Serial No. 601,817, July 3. Class 46.

Baldwin-Hill Company, Trenton, N. J. Finishing insulating cement. Serial No. 596,637, July 3. Class 12.

Battle Creek Letter Shop, Battle Creek, Mich. Partially printed ruled forms. Serial No. 578,479, July 3. Class 37.

Baumer Foods, Inc., New Orleans, La. Jams, fruit jellies, fruit preserves, etc. Serial No. 565,106, July 3. Class 46.

Beacon Company, The, assignor to The Beacon Company, Boston, Mass. Liquid wax. Serial No. 597,996, July 3. Class 4.

Bellemont Motor Hotels: *See*—
Lewis, Arthur C., Jr.

Benard & Honnorat, Grasse, Alpes Maritimes, France. Perfumes, toilet waters, colognes, etc. Serial No. 591,551, July 3. Class 51.

Benay Albee Novelty Co., Brooklyn, N. Y. Women's and children's felt hats and felt caps. Serial No. 573,754, July 3. Class 39.

Bernstein, Cohen & Co., Chicago, Ill. Children's dungarees. Serial No. 605,136, July 3. Class 39.

Berry Brothers, Inc., Chicago, Ill., and Detroit, Mich. Bowling alley cleaner and polish, and bowling alley lacquers, etc. Serial No. 558,000, July 3. Class 4.

Berry Brothers, Inc., Detroit, Mich., and Chicago, Ill. Lacquers and waterproof resinous plastic wood and metal surface sealer and finish. Serial No. 557,992, July 3. Class 16.

Berry Brothers, Inc., Detroit, Mich., and Chicago, Ill. Wood finishes. Serial No. 557,996, July 3. Class 16.

Bigham Gin Supply Co., Lubbock, Tex. Lubricating oils and greases. Serial No. 606,967, July 3. Class 15.

Bishop, G. H., Company, Chicago, Ill. All-purpose tables and invoice desks. Serial No. 604,351, July 3. Class 32.

Blust, Fred A., doing business as The Reed Products Company, St. Louis, Mo. Analgesic tablets. Serial No. 588,128, July 3. Class 18.

Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Upper cylinder and valve lubricant. Serial No. 606,364, July 3. Class 15.

Boyd, William, Beverly Hills, Calif. Bicycle horns. Serial No. 606,126, July 3. Class 23.

Boyer International Laboratory, Incorporated, Chicago, Ill. Liquid hair dressing. Serial No. 581,167, July 3. Class 51.

Braden Winch Company, Tulsa, Okla. Automotive truck winches, automotive truck power takeoff machinery, and power divider transmission machinery. Serial No. 522,854, July 3. Class 23.

Brenda Fabrics, Inc., New York, N. Y. Cotton, rayon, and woolen piece goods and textile fabrics. Serial No. 540,373, July 3. Class 42.

British Heat Resisting Glass Company Limited, The, Bilston, England. Glass ovenware and fireproof cooking ware. Serial No. 582,556, July 3. Class 33.

British Heat Resisting Glass Company Limited, The, Bilston, England. Glass ovenware and fireproof cooking ware. Serial No. 601,532, July 3. Class 33.

Brittany Hat Co., Inc., The, New York, N. Y. Men's, women's and children's hats and caps. Serial No. 604,900, July 3. Class 39.

Brock Candy Company, sometimes doing business as The Lookout Candy Company, Chattanooga, Tenn. Candy. Serial No. 604,291, July 3. Class 46.

Brütsch & Co., Zurich, Switzerland. Sewing and darning machines and parts thereof. Serial No. 606,071, July 3. Class 23.

Buckeye Aluminum Company, The, Wooster, Ohio. Aluminum cooking utensils and kitchen utensils, etc. Serial No. 533,531, July 3. Class 13.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. Serial No. 594,019, July 3. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. Serial No. 600,532, July 3. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. Serial No. 601,019, July 3. Class 42.

Byers, A. M., Company, Pittsburgh, Pa. Metal blooms, slabs, billets, etc. Serial No. 578,435, July 3. Class 14.

Caron Corporation, New York, N. Y. Perfume extracts, perfume, toilet water, etc. Serial No. 583,426, July 3. Class 51.

Casimir Funk Laboratories, Inc., New York, N. Y. Medicinal preparation. Serial No. 600,657, July 3. Class 18.

Castlelight Company, Castle Shannon, Pittsburgh, Pa. Electric lighting fixtures. Serial No. 584,571, July 3. Class 21.

Century Candy Company, Chattannoga, Tenn. Candy. Serial No. 612,681, July 3. Class 46.

Cesco Container Company, New York, N. Y. Metal and wooden crates and cases, etc. Serial No. 604,686, July 3. Class 2.

Challenge Cream & Butter Association, Los Angeles, Calif. Oleomargarine. Serial No. 588,079, July 3. Class 46.

Chen Yu, Inc., assignor to Richard Hudnut, New York, N. Y. Lipstick and nail-lacquer. Serial No. 587,246, July 3. Class 51.

Chicago Bridge & Iron Company, Chicago, Ill. Liquid storage tanks. Serial No. 604,839, July 3. Class 2.

Chinese Trading Company, Chicago, Ill. Sodium glutamate used for food flavoring purposes. Serial No. 543,683, July 3. Class 46.

Chi Phi Fraternity, The, Atlanta, Ga. Organizing of chapters. Serial No. 595,188, July 3. Class 100.

Chris-Kratt Instrument Co., Inc., Union, N. J. Ukuleles. Serial No. 606,413, July 13. Class 36.

Clayton Manufacturing Company, The, Bristol, Conn. Scissors and shears. Serial Nos. 544,703–4, July 3. Class 23.

Clearwater Finishing Company, Clearwater, S. C. Piece goods. Serial No. 576,849, July 3. Class 42.
Cleveland Container Company, The, Cleveland, Ohio. Spirally laminated paper tubing. Serial No. 592,737, July 3. Class 21.
Clinical Products Limited, Richmond, England. Laxative preparation. Serial No. 600,570, July 3. Class 18.
Clissold Publishing Co., Chicago, Ill. Periodical. Serial No. 597,066, July 3. Class 38.
Cock 'N Bull Products, Los Angeles, Calif. Copper mugs. Serial No. 531,019, July 3. Class 13.
Cohen, M. & B., Co., New York, N. Y. Men's and young men's suits, overcoats, topcoats, etc. Serial No. 595,189, July 3. Class 39.
Cole-Whit Co., Inc., Charlotte, N. C. Vaginal cleansing or body cavity irrigating apparatus. Serial No. 603,836, July 3. Class 44.
College Inn Food Products Company, Chicago, Ill. Canned cream of pea soup; canned consomme madrilene; etc. Serial No. 573,920, July 3. Class 46.
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Color Craft Corporation, Baltimore, Md. Paints and industrial finishes. Serial No. 523,567, July 3. Class 16.
Color Lighting Corporation, The, New York, N. Y. Electric lighting apparatus and parts thereof. Serial No. 585,633, July 3. Class 21.
Colorado Milling & Elevator Co., The, doing business as The Lamar Flour Mills Company, Denver and Lamar, Colo. Wheat flour. Serial No. 552,223, July 3. Class 46.
Columbia Mills, Inc., The, Syracuse, N. Y. Window shades. Serial No. 595,307, July 3. Class 32.
Columbia Mills, Inc., The, Syracuse, N. Y. Rolling and stationary window screens. Serial No. 602,084, July 3. Class 12.
Comfort Paper Corporation, San Francisco, Calif. Waxed paper, facial tissues and shelf paper. Serial No. 603,113, July 3. Class 37.
Commercial Solvents Corporation, New York, N. Y. Antibiotic ointment. Serial No. 586,143, July 3. Class 18.
Continental Merchandise Corporation, assignor to M. H. Jacobs, Inc., Chicago, Ill. Insecticides. Serial No. 554,285, July 3. Class 6.
Convertible Furs, Inc., New York, N. Y. Ladies' fur coats. Serial No. 599,311, July 3. Class 39.
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Cooper, Frank B.
Corbitt, Helen, Houston, Tex. Remoulade sauce and poppy seed salad dressing. Serial No. 589,565, July 3. Class 46.
Corona Citrus Association, Corona, Calif. Fresh citrus fruits. Serial No. 537,569, July 3. Class 46.
Creative Engineering: *See*—
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Crookes Laboratories, Inc., New York, N. Y. Analgesic pharmaceutical preparation. Serial No. 604,770, July 3. Class 18.
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Curtze, C. A., Company, Erie, Pa. Canned fruits, canned apple sauce, vegetables, etc. Serial No. 575,974, July 3. Class 46.
D-Con Company, a Division of United Enterprises, Inc., assignor, by mesne assignments, to D-Con, Inc., Chicago, Ill. Rodent poison. Serial No. 603,577, July 3. Class 6.
D-Con, Inc.: *See*—
D-Con Company, a Division of United Enterprises, Inc.
Daggett & Ramsdell, assignor to Daggett and Ramsdell, Inc., New York, N. Y. Hand-portable travel kit. Serial No. 545,722, July 3. Class 51.
Daggett and Ramsdell, Inc.: *See*—
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Dahlstrom Metallic Door Company, Jamestown, N. Y. Metallic doors, metallic interior and exterior building trim, etc. Serial No. 555,926, July 3. Class 12.
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Dick, A. B., Company, Niles, Ill. Stencil sheets, stencil typing film, stencil correction fluid, etc. Serial No. 602,380, July 3. Class 37.
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Dow Corning Corporation, Midland, Mich. Silicone treated polishing tissues. Serial No. 569,828, July 3. Class 4.
Druckenbrod, Marvin F., Atlanta, Ga. Tile. Serial No. 558,800, July 3. Class 12.
Duracraft Knitwear Company, Perry, N. Y. Men's, women's and children's jerseys, T-shirts, and sweat shirts. Serial No. 568,244, July [illegible]. Class 39.
Duro Finishing Corporation, Fall River, Mass. Dyeing, shrinking and waterproofing of textile materials. Serial No. 586,150, July 3. Class 106.
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Eureka Williams Corporations, Bloomington, Ill. Blowers. Serial No. 587,221, July 3. Class 34.
Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Chest respirators, cuirasses and air pumps for chest respirators, etc. Serial No. 595,659, July 3. Class 44.
Falco Products Co., Philadelphia, Pa. Clothes dryers, clothes line props, clothes line poles, etc. Serial No. 594,635, July 3. Class 24.
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Flagg, Stanley G., & Co., Inc., Philadelphia, Pa. Metal pipe fittings. Serial No. 606,008, July 3. Class 13.
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Foot-Ill Co., Inc., The, Norwalk, Conn. Antiseptic, medicated, and deodorant lotion. Serial No. 595,194, July 3. Class 51.
French, R. T., Company, The, Rochester, N. Y. Personal antiseptic and germicide. Serial No. 569,370, July 3. Class 18.
Galenol Company, Atlanta, Ga. Preparation used as a skin bleach. Serial No. 555,170, July 3. Class 51.
Gangler-Gentry Company, The, Catonsville, Md. Game similar to tit-tat-to. Serial No. 547,440, July 3. Class 22.
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General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. Serial No. 575,703, July 3. Class 6.
General Electric Company, Schenectady, N. Y. Outlet registers. Serial No. 585,583, July 3. Class 34.
General Transformer Corporation, assignor to N. Goldman, Chicago, Ill. Rectifiers. Serial No. 594,268, July 3. Class 21.
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Globe Machine Company, Philadelphia, Pa. Sewing machine heads. Serial No. 604,889, July 3. Class 23.
Gloversville Knitting Company, Gloversville, N. Y. Lining fabrics. Serial No. 601,614, July 3. Class 42.
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Goldwag, Harry L., doing business under the firm name and style of Pedinol Laboratories, New York, N. Y. Medicinal preparation. Serial No. 595,952, July 3. Class 18.
Gordon Baking Company, Detroit, Mich. Coffee cake. Serial No. 576,581, July 3. Class 46.
Grand Products Company, Chicago, Ill. Purse size perfume containers and dispensers. Serial No. 570,960, July 3. Class 28.
Great Lakes Industries, Inc., Duluth, Minn. Parts washing machines. Serial No. 591,987, July 3. Class 23.
Greet-A-Tab Company: *See*—
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Gregory, Dowilder J., San Francisco, Calif. Hair preparations. Serial No. 575,985, July 3. Class 18.
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Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. Serial No. 604,779, July 3. Class 2.
Hamilton Glass Company, Inc., Chicago, Ill. Plate glass, glass for mirrors, etc. Serial No. 588,644, July 3. Class 33.
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Hartford Rayon Corporation, The, Rocky Hill, Conn. Inflated rayon yarn. Serial No. 601,435, July 3. Class 43.
Hartwig, Incorporated, Milwaukee, Wis. Electrically illuminated nursery pictures. Serial No. 585,327, July 3. Class 21.
Hat Corporation of America, Norwalk, Conn. Hats. Serial No. 604,152, July 3. Class 39.

Hathaway, C. F., Co., Waterville, Maine. Men's outer shirts. Serial No. 533,889, July 3. Class 39.
Hecht Company, The, Washington, D. C. Sport coats and slacks. Serial No. 599,567, July 3. Class 39.
Hefco Laboratories, Inc., Detroit, Mich. Metal polish. Serial No. 547,906, July 3. Class 4.
Henry Valve Company, Chicago, Ill. Fluid treating and control devices. Serial No. 537,193, July 3. Class 13.
Hidalgo Distributing Company, McAllen, Tex. Canned pineapple and canned pineapple juice. Serial No. 602,556, July 3. Class 46.
Hoffmann-La Roche Inc., Nutley, N. J. Agents used in allergy, analgesics, analeptics, etc. Serial No. 576,701, July 3. Class 18.
Hollins, William, & Company Limited, Nottingham, England. Men's garments; ladies' garments; etc. Serial No. 600,776, July 3. Class 39.
Hooker Glass & Paint Mfg. Co., Chicago, Ill. Mirrors. Serial No. 571,272, July 3. Class 32.
Horton & Converse, Los Angeles, Calif. Anti-histaminic pharmaceutical preparation. Serial No. 586,484, July 3. Class 18.
Hospital Liquids, Inc., Chicago, Ill. Disposable parenteral administration sets, etc. Serial No. 600,833, July 3. Class 44.
Household Guild, Inc., assignee: *See*—
Kewaskum Utensil Co.
Hubbard and Company, Pittsburgh, Pa. Hand tools. Serial No. 581,479, July 3. Class 23.
Hudnut, Richard, assignee: *See*—
Chen Yu, Inc.
Hurd Lock & Manufacturing Company, Detroit, Mich. Fishing reels. Serial No. 503,518, July 3. Class 22.
Hurd Lock & Manufacturing Company, Detroit, Mich. Fishing reels. Serial No. 540,674, July 3. Class 22.
Illinois Tool Works, Chicago, Ill. Thread cutting screws, locking screws, assembled screws and washers, etc. Serial No. 540,281, July 3. Class 13.
Imperial Chemical (Pharmaceuticals) Limited, Slough, England. Derivatives of chlorophenylisopropylbiguanide. Serial No. 576,330, July 3. Class 18.
Imperial Optical Company Ltd., The, Toronto, Ontario, Canada. Ophthalmic lenses. Serial No. 603,721, July 3. Class 26.
Industrial Manufacturing Corp., Indianapolis, Ind. Liquid heating and circulating machines. Serial No. 572,568, July 3. Class 34.
Industrial Oven and Equipment Company, Los Angeles, Calif. Revolving-tray bakery ovens. Serial No. 568,800, July 3. Class 34.
Integrated Supply Corp., New York, N. Y. Sprinklers. Serial No. 586,598, July 3. Class 13.
International Business Machines Corporation, New York, N. Y. Time card racks. Serial No. 579,424, July 3. Class 32.
International Business Machines Corporation, New York, N. Y. Typewriting machines. Serial No. 592,427, July 3. Class 23.
International Umbrella Supply Corporation, Inc., New York, N. Y. Umbrellas. Serial No. 594,644, July 3. Class 41.
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Jacobs, M. H., Inc.: *See*—
Continental Merchandise Corporation.
Jaffe, Esther, doing business as Sew E-Z Novelty Shop, Brooklyn, N. Y. Finger moistener to be used as a sewing aid. Serial No. 569,853, July 3. Class 40.
Jet Knitting Mills, Inc., Brooklyn, N. Y. Hair nets, neckerchiefs, and cummerbunds. Serial No. 599,951, July 3. Class 39.
Kamiss, Charles B., doing business under the trade name of Kamiss Manufacturing Company, Whitestone, N. Y. Photographic and X-ray film processing clamp. Serial No. 574,778, July 3. Class 26.
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Kisco Company, Inc., St. Louis, Mo. Deflector type air circulators employing electrically driven fans. Serial No. 593,277, July 3. Class 21.
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Knight, John V., Minneapolis, Minn. Medicinal preparation. Serial No. 581,721, July 3. Class 18.
Koenig, Doris, Beverly Hills, Calif. Published news column. Serial No. 605,340, July 3. Class 38.
Kresge-Newark, Inc., Newark, N. J. Sheets, pillow cases, blankets, etc. Serial No. 594,177, July 3. Class 42.
Kress, S. H., and Company, New York, N. Y. Window shades. Serial No. 583,099, July 3. Class 32.
Kroger Co., The, Cincinnati, Ohio. Check-out counters. Serial No. 604,099, July 3. Class 32.
Kuhlke Seed & Grain Company, Augusta, Ga. Field and garden seeds. Serial No. 604,726, July 3. Class 1.
Kuster Laboratories, Inc., San Francisco, Calif. Concentrated solution of amino acids, vitamins and minerals. Serial No. 590,815, published July 3. Class 18.
Lamanuzzi and Pantaleo, Fresno, Calif. Fresh grapes and fresh deciduous fruits. Serial No. 604,851, July 3. Class 46.
Lamar Flour Mills Company, The: *See*—
Colorado Milling & Elevator Co., The.
Lancôme: *See*—
Lancome, S. A.
Lancome, S. A., doing business as Lancôme, Paris, France. Toilet water, eaux de cologne and skin lotions. Serial No. 575,913, July 3. Class 51.
Lawrence, J. E., Co., Portland, Oreg. Salmon eggs used for bait. Serial No. 603,743, July 3. Class 22.
Laxivators, Inc., Largo, Fla. Manually operated mechanical rocker exercising device. Serial No. 603,958, July 3. Class 22.
Lee, Frank H., Company, The, Danbury, Conn. Men's hats. Serial No. 576,341, July 3. Class 39.
Lehmann, J. M., Company, Inc., Lyndhurst, N. J. Machines for the production of paint and ink, etc. Serial No. 565,436, July 3. Class 23.
Levin, Moses A., doing business as Greet-A-Tab Company, Baltimore, Md. Greeting cards and indicia for greeting cards. Serial No. 593,278, July 3. Class 38.
Lewis, Arthur C., Jr., doing business as Bellemont Motor Hotels, Baton Rouge, La. Motor hotel services. Serial No. 581,429, July 3. Class 100.
Lewis, F. Harold, doing business as Rogers Park Drug Company, Baltimore, Md. Antiseptic mouth wash. Serial No. 602,767, July 3. Class 18.
Lindgren Company, Inc., San Francisco, Calif. Liquid to be added to cement or mortar. Serial No. 602,323, July 3. Class 12.
Lindy Joan, Inc., New York, N. Y. Women's wearing apparel. Serial No. 597,889, July 3. Class 39.
Link Manufacturing Company, Inc., Fargo, N. Dak. Blower type grain mover. Serial No. 548,270, July 3. Class 23.
Lookout Candy Company, The: *See*—
Brock Candy Company.
Lutz Pork Bait Co., Kansas City, Mo. Pork rind fish bait. Serial No. 562,650, July 3. Class 22.
Lyons-Magnus, Incorporated, San Francisco, Calif. Fresh fruits preserved with sugar; mince meat and fruit mix, etc. Serial No. 553,293, July 3. Class 46.
Macy, R. H., & Co., Inc., New York, N. Y. Tablecloths, towels, sheets, etc. Serial No. 593,878, July 3. Class 42.
Magnin, I., & Co., San Francisco, Calif. Women's, misses,' children's and infants' dresses, evening gowns, etc. Serial No. 586,056, July 3. Class 39.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 595,903, July 3. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial Nos. 596,594–5, July 3. Class 18.
May Department Stores Company, The, St. Louis, Mo., doing business under the name Kaufmann Department Stores, Pittsburgh, Pa. Textile rugs, carpets, etc. Serial No. 574,443, July 3. Class 42.
Mendel, H., & Co., Inc., Atlanta, Ga. Work clothes. Serial No. 602,272, July 3. Class 39.
Mercantile Stores Company, Inc., Wilmington, Del. Undershirts, pajamas, under shorts, etc. Serial No. 588,503, July 3. Class 39.
Metalcraft Manufacturing Corporation, Memphis, Tenn. Insulated portable chests and boxes for ice. Serial No. 595,640, July 3. Class 31.
Metal Tile Products, Inc., Hastings, Mich. Metal wall tiles. Serial No. 549,646, July 3. Class 12.
Miller, Marcellus S., Norfolk, Va. Plates. Serial No. 595,731, July 3. Class 30.
Min-Sun Trading Co., Chicago, Ill. Sodium glutamate food seasoning. Serial No. 495,809, July 3. Class 46.
Mirax Chemical Products Corporation, St. Louis, Mo. Thermally insulated picnic jugs. Serial No. 597,893, July 3. Class 2.
Mr. John, Inc., New York, N. Y. Women's hats, gloves, scarfs, etc. Serial No. 579,499, July 3. Class 39.
Mister Short Company, The, Chicago, Ill. Men's outer shirts. Serial No. 563,002, July 3. Class 39.
Monsanto Chemical Company, St. Louis, Mo. Synthetic resins and plastics. Serial No. 554,913, July 3. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Surface active compositions for use as detergents. Serial No. 578,342, July 3. Class 52.
Montgomery Ward & Co.: *See*—
Montgomery Ward & Co., Incorporated.
Montgomery Ward & Co., Incorporated, also doing business as Montgomery Ward & Co., Chicago, Ill. Vitamins and vitamin preparations, cod liver oil, etc. Serial No. 565,444, July 3. Class 18.

Morehouse Industries, Los Angeles, Calif. Industrial grinding mills, mixers, etc. Serial No. 591,689, July 3. Class 23.

Mullins Manufacturing Corporation, Salem and Warren, Ohio. Automatic electric dishwashers and combined sinks and electric dishwashers. Serial No. 603,123, July 3. Class 21.

Murray Company of Texas, Inc., The, Dallas, Tex. Ventilating fans and floor furnaces. Serial No. 603,076, July 3. Class 34.

Myerson, Ben, doing business as Ben Myerson Candy Co., Los Angeles, Calif. Candy. Serial No. 581,883, July 3. Class 46.

Myerson, Ben, Candy Co.: *See*— Myerson, Ben.

N. & M. Zips, Inc., New York, N. Y. Kits for assembling slide fasteners. Serial No. 541,321, July 3. Class 13.

National Automatic Tool Company, Inc., Richmond, Ind. Automatic and semi-automatic metal working machine tools. Serial No. 605,805, July 3. Class 23.

National Cash Register Company, The, Dayton, Ohio. Hand stamps. Serial No. 608,881, July 3. Class 23.

National Standard Parts Association, Chicago, Ill. Trade periodicals. Serial No. 604,020, July 3. Class 38.

Nation-Wide Publishing Corp., Chicago, Ill. Comic magazines. Serial No. 605,324, July 3. Class 38.

Natural Colors, Inc., Pompton Lakes, N. J. Photographic and optical lenses. Serial No. 600,844, July 3. Class 26.

New England Box Company, The, Greenfield, Mass. Wooden toy blocks, block wagons, etc. Serial No. 581,435, July 3. Class 22.

News-O-Mat, Ltd., Ottawa, Ontario, Canada. Newspaper vending machines. Serial No. 600,609, July 3. Class 23.

Nuclotex Limited, Bolton, England. Opening, scutching, carding, etc., machinery. Serial No. 598,031, July 3. Class 23.

Nyrope Laboratories, Inc., New York, N. Y. Vitamin sedatives. Serial No. 575,544, July 3. Class 18.

Oakford Company, The, Peoria, Ill. Table syrup. Serial No. 528,506, July 3. Class 46.

Officine G. G. Bossetti Società per Azioni, Novara, Italy. Machine tools. Serial No. 582,577, July 3. Class 23.

Ohio Thermometer Co., Inc., The, Springfield, Ohio. Cooking thermometers. Serial No. 574,857, July 3. Class 26.

Oneida Ltd., Sherrill and Oneida, N. Y. Sterling silver hollow tableware. Serial No. 607,760, July 3. Class 28.

Owen Silent Spring Company, Inc., Bridgeport, Conn., assignor to American Chain & Cable Company, Inc. Metallic coil springs and assemblies thereof. Serial No. 577,809, July 3. Class 32.

Parke, Davis & Company, Detroit, Mich. Pharmaceutical preparations. Serial No. 557,206, July 3. Class 18.

Payne, E. F., Rod Company, Inc., Highland Mills, N. Y. Split bamboo fishing rods. Serial No. 609,000, July 3. Class 22.

Pedinol Laboratories: *See*— Goldwag, Harry L.

Penick, S. B., & Company, New York, N. Y. Medicinal compositions. Serial No. 590,100, July 3. Class 18.

Perkell Manufacturing Company, Phoenixville, Pa. Women's lingerie. Serial No. 604,704, July 3. Class 39.

Pierce & Stevens, Inc., Buffalo, N. Y. Liquid chemical composition for use as a paint and varnish remover. Serial No. 589,272, July 3. Class 16.

Pierson, Calvin N., Hyattsville, Md. Periodical publication. Serial No. 605,529, July 3. Class 38.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. Serial No. 593,083, July 3. Class 46.

Pilot Full Fashion Mills, Inc., Valdese, N. C., and New York, N. Y. Men's, women's, and children's hosiery. Serial No. 601,075, July 3. Class 39.

Pinol Manufacturing Co. Inc., Philadelphia, Pa. Pipe dope, patching plaster, and roofing cement. Serial No. 591,861, July 3. Class 12.

Pittsburgh Valve and Fittings Corporation, Barberton, Ohio. Plug valves. Serial No. 553,737, July 3. Class 13.

Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Domestic gas ranges, gas trailer ranges, etc. Serial No. 609,051, July 3. Class 34.

Products Packaging, Inc., Cleveland, Ohio. Cleansing fluids. Serial No. 588,516, July 3. Class 52.

Pure Oil Company, The, Chicago, Ill. Hydraulic torque oils. Serial No. 541,025, July 3. Class 15.

Pyramid Rubber Company, The, Ravenna, Ohio. Nursers and components thereof. Serial No. 570,319, July 3. Class 44.

Q-Tips, Inc., New York and Long Island City, N. Y. Certain toilet accessories for infants. Serial No. 598,547, July 3. Class 44.

Raytheon Manufacturing Company, Newton, Mass. Electrically operated communication apparatus. Serial No. 599,191, July 3. Class 21.

Rectalist, Inc., Philadelphia, Pa. Anoscopes and rectoscopes. Serial No. 604,127, July 3. Class 44.

Redlich Manufacturing Company, The, Pittsburgh, Pa. Bars, counters, bar and counter tops, etc. Serial No. 580,514, July 3. Class 32.

Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Copper naphthenate preparations. Serial No. 571,620, July 3. Class 6.

Reed Products Company, The: *See*— Blust, Fred A.

Regal Heater Corporation, Los Angeles, Calif. Water heaters. Serial No. 605,699, July 3. Class 34.

Remington Products Corporation, Elizabeth, N. J. Electrically-heated vaporizer. Serial No. 591,647, July 3. Class 21.

Republic Steel Corporation, Cleveland, Ohio. Welded steel tubular articles. Serial No. 585,079, July 3. Class 13.

Ridey, Paul G., Cincinnati, Ohio. Infants' bottle holders. Serial No. 577,986, July 3. Class 44.

Riker Manufacturing: *See*— Riker Welding Works.

Riker Welding Works, doing business as Riker Manufacturing, Toledo, Ohio. Mufflers for internal combustion engines. Serial No. 585,396, July 3. Class 23.

Rochester Dairy Cooperative, Rochester, Minn. Chocolate flavored milk drink. Serial No. 602,124, July 3. Class 46.

Rogers Park Drug Company: *See*— Lewis, F. Harold.

Roggenbuck, George J., doing business as G. Roggie Lab., Long Beach, Calif. Hair rinses and dyes. Serial No. 548,611, July 3. Class 51.

Roggie, G., Lab.: *See*— Roggenbuck, George J.

Roosevelt Mills, Inc., Manchester, Conn., and New York, N. Y. Polo shirts and sweaters. Serial No. 594,661, July 3. Class 39.

Rose & Peck, New York, N. Y. Persian lamb fur coats, Persian lamb skins, etc. Serial No. 600,853, July 3. Class 39.

Rosemond, Leland C., New York, N. Y. Hearing aid. Serial No. 600,739, July 3. Class 44.

Rosenthal Ackerman Millinery Company, St. Louis, Mo. Fashion periodical. Serial No. 602,337, July 3. Class 38.

Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y. Steam jet ejectors. Serial No. 604,389, July 3. Class 23.

Ross Heater & Manufacturing Company, Inc., Buffalo N. Y. Steam jet ejectors. Serial No. 604,391, July 3. Class 23.

Ross, Will, Inc., Milwaukee, Wis. Surgical cleanser. Serial No. 599,264, July 3. Class 52.

Royal, Thomas M., & Co., Philadelphia, Pa. Paper bags. Serial No. 604,706, July 3. Class 2.

Rubin, J., Sons Inc. of Chicopee, Chicopee, Mass. Candy. Serial No. 601,468, July 3. Class 46.

S. & S. Underwear Manufacturing Corp., New York, N. Y. Ladies' panties. Serial No. 556,819, July 3. Class 39.

Sabor, Russell, Minneapolis, Minn. Electrical time controlled release actuator. Serial No. 600,193, July 3. Class 26.

Sanzio Pio Vencenzo Piatti, Milan, Italy. Internal-combustion engines, auxiliary engines, etc. Serial No. 588,323, July 3. Class 23.

Sargent-Gerke Co., The, Indianapolis, Ind. House paint, varnish, spar varnish, etc. Serial No. 595,742, July 3. Class 16.

Sargent-Gerke Co., The, Indianapolis, Ind. Wall paint. Serial No. 595,744, July 3. Class 16.

Schafran, S., & Co., Inc., New York, N. Y. Pillow cases. Serial No. 592,339, July 3. Class 42.

Schargel, Arthur M., Somerville, N. J. Children's topcoats, overcoats, raincoats, etc. Serial No. 599,457, July 3. Class 39.

Schenley Distillers Corporation, New York, N. Y., now by change of name Schenley Industries, Inc. Whiskey, gin, rum, etc. Serial No. 524,907, July 3. Class 49.

Schenley Industries, Inc.: *See*— Schenley Distillers Corporation.

Schenley Laboratories, Inc., New York, N. Y. Chemical laxative. Serial No. 605,874, July 3. Class 18.

Schenley Laboratories, Inc., New York, N. Y. Chemical laxative. Serial No. 605,876, July 3. Class 18.

Schratz Products, Detroit, Mich. Bath bubbling and perfuming compounds. Serial No. 606,494, July 3. Class 51.

Scorber Distributing Co., Inc., Denver, Colo. Body and breath deodorant. Serial No. 605,497, July 3. Class 18.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. Serial No. 561,493, July 3. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. Serial No. 561,496, July 3. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. Serial No. 581,026, July 3. Class 42.

Selfix Products Co., Chicago, Ill. Hooks. Serial No. 607,966, July 3. Class 13.

Servicised Products Corporation, Chicago, Ill., assignee of W. C. and C. G. Fischer executors of the estate of A. C. Fischer. Expansion joint sealing compounds, etc. Serial No. 574,354, July 3. Class 12.

Sew E-Z Novelty Shop: *See*— Jaffe, Esther.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibiotic inhalator. Serial No. 574,866, July 3. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibiotic inhalator. Serial No. 575,302, July 3. Class 18.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations useful in the prevention and treatment of bacterial infections, etc. Serial No. 602,649, July 3. Class 18.

Shelhar Fabrics Corporation, New York, N. Y. Rayon cotton cord fabrics. Serial No. 564,743, July 3. Class 42.

Shell Oil Company, New York, N. Y. Maintenance and reconditioning service. Serial No. 589,340, July 3. Class 103.

Sherman, Sol, Now York, N. Y. Ties. Serial No. 599,983, July 3. Class 39.

Silk Skin Inc., New York, N. Y. Girdles and panties. Serial No. 605,446, July 3. Class 39.

Sitroux Incorporated, New York, N. Y. Cleansing tissues. Serial No. 603,898, July 3. Class 37.

Snyder, Edward G., doing business as Snyder's Super Seal, R. D. 2, Muhlenberg Township, Berks County, Pa. Roof coatings, waterproofing compounds, etc. Serial No. 586,197, July 3. Class 12.

Snyder's Super Seal: *See*— Snyder, Edward G.

Société Anonyme des Terres Décolorantes Françaises Franterre, Paris, France. Clays, coal, absorbent and adsorbent decolorizing earths. Serial No. 558,946, July 3. Class 1.

Societe Anonyme "Ostendia," Breedene, Sas-Slijkens, near Ostend, Belgium. Preserved fish. Serial No. 588,327, July 3. Class 46.

Sonneborn, L., Sons, Inc., New York, N. Y. Entraining agent to be mixed with Portland cement. Serial No. 607,051, July 3. Class 12.

Sparglo Laboratories: *See*— Turner, Robert.

Sprague & Henwood, Incorporated, Scranton, Pa. Diamond bits. Serial No. 609,887, July 3. Class 23.

Stahl, Philip F. B., Chicago, Ill. Utility cabinets designed for use by artists and craftsmen. Serial No. 596,955, July 3. Class 26.

Sterling Pulp & Paper Company, Eau Claire, Wis. Paper towels, paper facial tissue, paper napkins, etc. Serial No. 603,316, July 3. Class 37.

Stern Brown Inc., Long Island City, N. Y. Electric toasters, waffle irons, sandwich toasters and broilers. Serial No. 594,864, July 3. Class 21.

Stitzel-Weller Distillery, Louisville and Shively, Ky. Whiskies. Serial No. 582,395, July 3. Class 49.

Stuart-Huard, Inc., Inglewood, Calif. Silicone for paints, enamels, varnishes and the like. Serial No. 603,653, July 3. Class 16.

Superior Table Novelties Corporation, Brooklyn, N. Y. End tables, folding chairs, tables. Serial No. 566,669, July 3. Class 32.

Surface Combustion Corporation, Toledo, Ohio. Aircraft heaters. Serial No. 598,220, July 3. Class 19.

Taylors, John, Limited, Huddersfield, England. Clothes and stuffs of wool, worsted or hair, sold in the piece. Serial No. 605,537, July 3. Class 42.

Television Equipment Corporation, New York, N. Y. Television cameras and parts thereof, television antennae and parts thereof. Serial No. 581,841, July 3. Class 21.

Tempo Company, Kansas City, Mo. Inks, driers for use in inks, etc. Serial No. 538,051, July 3. Class 11.

Terrell Machine Company, The, Charlotte, N. C. Textile fiber combing machines. Serial No. 606,400, July 3. Class 23.

Teruya, Jenshiro, New York, N. Y. Brushes. Serial No. 603,321, July 3. Class 29.

Texas Star Foods, Inc., San Antonio, Tex. Oleomargarine. Serial No. 600,862, July 3. Class 46.

Tex Tan of Yoakum, Yoakum, Tex. Toy pistol holsters, toy cartridge belts, and toy pistol holster sets. Serial No. 598,693, July 3. Class 22.

Thayer, Inc., Gardner, Mass. Doll carriages. Serial No. 603,705, July 3. Class 22.

Thoroughbred Racing Protective Bureau, Inc., New York, N. Y. Thoroughbred horses. Serial No. 595,693, July 3. Class 1.

Timm Industries, Inc., Los Angeles, Calif. Coin operated sandwich vending or dispensing machine. Serial No. 594,927, July 3. Class 23.

Toscony Fabrics, Inc., New York, N. Y. Plastic film in the piece. Serial No. 577,695, July 3. Class 42.

Towns, Hiram S., Fort Wayne, Ind. Building construction material. Serial No. 580,383, July 3. Class 12.

Traylor, John B., doing business as Creative Engineering, Denver, Colo. Metal clips. Serial No. 567,473, July 3. Class 13.

Trubenizing Process Corporation, New York, N. Y. Men's outer shirts and collars. Serial Nos. 600,742–3, July 3. Class 39.

Tucker's, Mrs., Foods, Inc., Sherman, Tex. Oleomargarine. Serial No. 601,649, July 3. Class 46.

Turner, Robert, doing business as Sparglo Laboratories, Bridgeport, Conn. Cosmetic preparations. Serial No. 577,756, July 3. Class 51.

Tyler Fixture Corporation, Niles, Mich. Refrigerated cases. Serial No. 598,334, July 3. Class 31.

Tyler Fixture Corporation, Niles, Mich. Refrigerated beverage dispensing cases. Serial No. 598,335, July 3. Class 31.

Union Switch and Signal Company, The, Swissvale, Pa. Electrical apparatus and equipment. Serial No. 603,947, July 3. Class 21.

United Feature Syndicate, Inc., New York, N. Y. Comic drawings. Serial No. 605,275, July 3. Class 38.

United Piece Dye Works, The, Lodi, N. J. Fabrics in the piece. Serial No. 591,122, July 3. Class 42.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial No. 599,352, July 3. Class 22.

United States Steel Corporation, New York, N. Y. Steel flooring, piling and structural shapes, etc. Serial No. 588,242, July 3. Class 12.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 605,817, July 3. Class 18.

Valmy Garment Company, Inc., Hammond, La. Play suits, slacks, sun suits, etc. Serial No. 605,541, July 3. Class 39.

Vanguard Corporation, Springfield, Mass. Inflatable toy figures. Serial No. 584,473, July 3. Class 22.

Vetter Manufacturing Company, Stevens Point, Wis. Preassembled windows. Serial No. 590,470, July 3. Class 12.

Virtue Bros. Mfg. Co., doing business under the fictitious name of Virtue Brothers of California, Los Angeles, Calif. Tables. Serial No. 604,605, July 3. Class 32.

Virtue Brothers of California: *See*— Virtue Bros. Mfg. Co.

Wall-Rogalsky Milling Company, The, McPherson, Kans. Plain and self-rising hard wheat flour. Serial No. 580,270, July 3. Class 46.

Wallace, Etta Mae, San Diego, Calif. Series of shadow motion picture films. Serial No. 577,624, July 3. Class 26.

Washington State Hop Producers, Inc., Yakima, Wash. Hops. Serial No. 573,389, July 3. Class 1.

Weatherhead Company, The, Cleveland, Ohio. Tube fittings. Serial No. 602,009, July 3. Class 13.

Western Rubber Company, Goshen, Ind. Resilient mats. Serial No. 571,590, July 3. Class 50.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, and papeteries. Serial No. 526,120, July 3. Class 37.

Westinghouse Electric Corporation, Pittsburgh, Pa., and Buffalo, N. Y. Electronic indicators for electric welders. Serial No. 594,676, July 3. Class 26.

West Winds, Incorporated, San Francisco, Calif. Repairing Diesel engines and metal work. Serial No. 601,085, July 3. Class 103.

White Sea & Baltic Company P. & I. Danischewsky Ltd. The, London, England. Pine oils, turpentines, dipentenes, etc. Serial No. 551,836, July 3. Class 6.

White-Stokes Co., Inc., Chicago, Ill. Soluble powdered jelly base. Serial No. 595,803, July 3. Class 46.

Wiesner-Rapp Company, Inc., The, Buffalo, N. Y. Milling machines, routers, profilers, etc. Serial No. 597,856, July 3. Class 23.

Willson Products, Inc., Reading, Pa. Respirators and parts thereof. Serial No. 596,060, July 3. Class 44.

Wilson, Frank M., Company, Stockton, Calif. Canned fruits. Serial No. 604,056, July 3. Class 46.

Wilson Products Company, Salt Lake City, Utah. Beef tamales and chili con carne. Serial No. 561,963, July 3. Class 46.

Wilton Tool Mfg. Co., Chicago, Ill. Bench vises. Serial No. 590,044, July 3. Class 23.

Windsor Wax Company, Inc., Hoboken, N. J. Floor waxes. Serial No. 582,759, July 3. Class 4.

Winsted Company, The, Winsted, Conn. Dog grooming supplies. Serial No. 581,632, July 3. Class 3.

Wipo Manufacturing Co.: *See*— Bags, Inc.

Wolfman, Ben, Inc., doing business as The Fashion, Houston, Tex. Ready to wear goods. Serial No. 590,725, July 3. Class 39.

Wonder Books, Inc., New York, N. Y. Books. Serial No. 605,387, July 3. Class 38.

Wright & McGill Co., Denver, Colo. Fishing rods. Serial No. 604,242, July 3. Class 22.

Yakima Fruit & Cold Storage Co., Yakima, Wash. Fresh apples. Serial No. 584,211, July 3. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Acco Products, Inc., Long Island City, to Acco Products, Inc., Ogdensburg, N. Y. Filing device. 285,397, renewed July 28, 1951. O. G. July 3. Class 32.

Afro-American Company of Baltimore City, The, Baltimore, Md. Newspapers. 544,605, July 3; Serial No. 598,774, published Apr. 10, 1951. Class 38.

Alabama Pipe Company, Anniston, Ala. Cast-iron soil pipe. 283,896, renewed June 9, 1951. O. G. July 3. Class 13.

Alabastine Company, Grand Rapids, Mich., to A. A. Schwartz, Chicago, Ill. Painter's size. 278,163, renewed Dec. 9, 1950. O. G. July 3. Class 16.

Alabastine Company, Grand Rapids, Mich., to A. A. Schwartz, Chicago, Ill. Patching plaster. 278,232, renewed Dec. 9, 1950. O. G. July 3. Class 12.

Alabastine Company, Grand Rapids, Mich., to A. A. Schwartz, Chicago, Ill. Coloring material for use in and upon plaster and similar products. 278,233, renewed Dec. 9, 1950. O. G. July 3. Class 12.

Alabastine Company, Grand Rapids, Mich., to A. A. Schwartz, Chicago, Ill. Base made up of a dry powder for a plastic wall coating or covering. 279,055, renewed Jan. 6, 1951. O. G. July 3. Class 12.

Alexander Bros. Company, Savannah, Ga. Overalls. 83,537, re-renewed Sept. 26, 1951. O. G. July 3. Class 39.

American Airlines, Inc., New York, N. Y. Air transport of passengers and freight. 544,645, July 3; Serial No. 562,242, published Apr. 3, 1951. Class 105.

American Chemical Paint Company, Ambler, Pa. Rust inhibitors. 544,592–3, July 3; Serial Nos. 596,699–700, published Apr. 10, 1951. Class 6.

American Cystoscope Makers, Inc., New York, N. Y. Otoscopes and components thereof. 544,586, July 3; Serial No. 595,296, published Apr. 3, 1951. Class 44.

American Electric Cable Co., Holyoke, Mass. Electric automotive, radio, and appliance wires. 544,596, July 3; Serial No. 596,969, published Apr. 10, 1951. Class 21.

American Heritage Foundation, The, Washington, D. C., and New York, N. Y. Booklets, pamphlets, circulars, etc. 544,490, July 3; Serial No. 560,083, published Mar. 20, 1951. Class 38.

American-Marietta Company: *See*—
Sewall Paint & Varnish Company.

American Molasses Company: *See*—
American Molasses Co. of New York, The.

American Molasses Co. of New York, The, to American Molasses Company, New York, N. Y. Molasses. 278,589, renewed Dec. 23, 1950. O. G. July 3. Class 46

American-National Bag & Burlap Co., Inc., Brooklyn, N. Y. Burlap bagging. 544,661, July 3; Serial No. 551,509. Class 42.

American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Boilers, air heating furnaces, and oil burners. 544,635–6, July 3; Serial Nos. 601,087–8, published Mar. 27, 1951. Class 34.

American Reenforced Paper Company, Attleboro, Mass. Construction materials. 544,494, July 3; Serial No. 563,987, published Apr. 10, 1951. Class 12.

American Steel and Wire Company of New Jersey, The: *See*—
American Steel & Wire Company of New Jersey, The.

American Steel & Wire Company of New Jersey, The, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J., to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Woven-wire fence. 81,843, re-renewed May 16, 1951. O. G. July 3. Class 13.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J., to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Rail bonds. 280,127, renewed Feb. 10, 1951. O. G. July 3. Class 21.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J., to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Bale ties. 284,853, renewed July 7, 1951. O. G. July 3. Class 13.

Ampex Electric Corporation, San Carlos, Calif. Electric generators, and electric motors. 544,481, July 3; Serial No. 554,000, published Oct. 4, 1949. Class 21.

Arlington Chemical Company, The: *See*—
Arlington Chemical Co., The.

Arlington Chemical Co., The, to The Arlington Chemical Company, Yonkers, N. Y. Extract of predigested beef, milk, and wheat. 82,195, re-renewed June 13, 1951. O. G. July 3. Class 46.

Armour and Company, Chicago, Ill. Fatty acid amine derivatives. 544,628, July 3; Serial No. 600,113, published Apr. 10, 1951. Class 6.

Art Metal Construction Company, Jamestown, N. Y. Office chairs. 544,677, July 3; Serial No. 574,946. Class 32.

Associated Painters and Decorators: *See*—
Sollitt, Sumner S.

Balfour Guthrie & Company, to Balfour, Guthrie & Co., Limited, San Francisco, Calif. Canned fruits, canned vegetables, canned fish, etc. 277,217, renewed Nov. 11, 1950. O. G. July 3. Class 46.

Balfour, Guthrie & Co., Limited: *See*—
Balfour Guthrie & Company.

Balkamp, Inc.: *See*—
Balkamp Manufacturing Corporation.

Balkamp Manufacturing Corporation, by Balkamp, Inc., Indianapolis, Ind. Cylinder heads, manifolds, axle shafts, etc. 345,825, May 11, 1937. Republished July 3. Class 23.

Bamberger, L., & Co., Newark, N. J., to R. H. Macy & Co., Inc., New York, N. Y. Men's underwear. 284,304, renewed June 23, 1951. O. G. July 3. Class 39.

Bantam Books, Inc., New York, N. Y. Books. 544,619, July 3; Serial No. 599,608, published Mar. 27, 1951. Class 38.

Bastian Morley Co. Inc., La Porte, Ind. Magnesium rods. 544,482, July 3; Serial No. 554,585, published Apr. 10, 1951. Class 21.

Beich, Paul F., Co., Bloomington, Ill. Marshmallows. 544,565, July 3; Serial No. 593,158, published Jan. 23, 1951. Class 46.

Bell & Gossett Company, Morton Grove, Ill. Air cooling coils. 544,672, July 3; Serial No. 569,595. Class 31.

Bell, James A., Jr., Atlanta, Ga. Prepared advertising. 544,562, July 3; Serial No. 592,185, published Apr. 10, 1951. Class 38.

Belleville Chedder Cheese Ltd., The, Belleville, Ontario, Canada. Cheese. 544,529, July 3; Serial No. 582,265, published Jan. 23, 1951. Class 46.

Bendiner & Schlesinger, Inc., New York, N. Y. Preparation for the relief of menstrual pain and discomfort. 283,341, May 26, 1931. Republished July 3. Class 18.

Bennett, Ruth V., New York, N. Y. Original writings or short poems. 544,515, July 3; Serial No. 577,652, published Mar. 27, 1951. Class 38.

Benson, Alexander R., Company, Inc.: *See*—
Benson, Lloyd R.

Benson, Lloyd R., Hudson, N. Y., to Alexander R. Benson Company, Inc., New Hartford, N. Y. Soldering-fluxes. 83,469, re-renewed Sept. 19, 1951. O. G. July 3. Class 6.

Bersworth Chemical Company, Framingham, Mass. Compound of di sodium salt of ethylene diamine tetra acetic acid and compounds. 544,594, July 3; Serial No. 596,708, published Apr. 10, 1951. Class 6.

Billy's Butter Bretzels: *See*—
Edmondson, William R.

Bjelland, Chr., & Co., Inc., New York, N. Y. Canned sardines. 102,030, Jan. 26, 1915. Republished July 3. Class 46.

Bjelland, Chr., & Co., Inc., New York, N. Y. Meat products. 336,694, July 14, 1936. Republished July 3. Class 46.

Blue Bell, Inc., Greensboro, N. C. Ladies', girls', and kiddies' (girls) dungarees. 544,681, July 3; Serial No. 579,658. Class 39.

Bonney Forge and Tool Works, Allentown, Pa. Welding unions. 283,140, renewed May 19, 1951. O. G. July 3. Class 13.

Bonney Forge and Tool Works, Allentown, Pa. Unions for welded and threaded connections. 285,462, renewed July 28, 1951. O. G. July 3. Class 13.

Boott Mills, Lowell, Mass. Towels and piece goods. 544,461, July 3; Serial No. 502,942, published Apr. 3, 1951. Class 42.

Boretz, Abraham, doing business as Boretz Manufacturing Company, New York, N. Y. Men's leather luggage. 544,675, July 3; Serial No. 574,012. Class 3.

Boretz Manufacturing Company: *See*—
Boretz, Abraham.

Bostrom, Gustav J., doing business as Supergrate Open Steel Flooring Co., Los Angeles, Calif. Open-type flooring. 544,486, July 3; Serial No. 557,726, published Jan. 30, 1951. Class 12.

Botany Mills, Inc., Passaic, N. J. Powder for the toilette. 544,673, July 3; Serial No. 571,318. Class 51.

Bowflux Company, Warren, Ohio. Flux for use in manufacture of steel. 544,583, July 3; Serial No. 594,756, published Apr. 10, 1951. Class 6.

Brach, E. J., & Sons, Chicago, Ill. Candy. 544,570, July 3; Serial No. 593,968, published Jan. 23, 1951. Class 46.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Pocket-billiard balls. 281,138, renewed Mar. 10, 1951. O. G. July 3. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling pins. 282,899, renewed May 5, 1951. O. G. July 3. Class 22.

Buckley-Newhall Company, The, New York, N. Y., to John Mullins & Sons, Inc., Brooklyn, N. Y. Chairs, tables, desks, etc. 81,671, re-renewed May 2, 1951. O. G. July 3. Class 32.

Buckley, Newhall Company, The, New York, N. Y., to John Mullins & Sons, Inc., Brooklyn, N. Y. Crockery and dishes. 281,853–4, renewed Mar. 31, 1951. O. G. July 3. Class 30.

Budde, R. H., Plumbing Co.: *See*—
Budde, Richard H.

Budde, Richard H., trading as R. H. Budde Plumbing Co., Omaha, Nebr. Repair connectors. 544,595, July 3; Serial No. 596,897, published Apr. 10, 1951. Class 13.

BuliDog Electric Products Company, Detroit, Mich. Splicers, connectors, couplings, and clamps, etc. 544,476, July 3; Serial No. 549,226, published Apr. 10, 1951. Class 21.

Bunyan, Paul, Bait Company, The, Minneapolis, Minn. Fishing tackle. 544,511, July 3; Serial No. 574,890, published Mar. 27, 1951. Class 22.

Bunyan, Paul, Bait Company, The, Minneapolis, Minn. Fishing tackle. 544,512, July 3; Serial No. 574,893, published Mar. 27, 1951. Class 22.

Burnham Corporation, Irvington, N. Y. Publication. 544,611, July 3; Serial No. 599,363, published Mar. 27, 1951. Class 38.

Burns, Jabez, & Sons, Inc., New York, N. Y. Temperature indicating devices. 286,781, renewed Sept. 1, 1951. O. G. July 3. Class 26.

Buscarlet Glove Company, Inc., New York, N. Y. Leather gloves. 544,658, July 3; Serial No. 542,254. Class 39.

Bu-Tay Products, Ltd., Los Angeles, Calif. Water softener. 544,580, July 3; Serial No. 594,517, published Apr. 10, 1951. Class 6.

Buxton, Incorporated, Springfield, Mass. Billfolds. 544,695, July 3; Serial No. 593,394. Class 3.

Byrne, Thomas F., Corporation, Phoenixville, Pa. Textile wash cloths. 286,859, renewed Sept. 8, 1951. O. G. July 3. Class 42.

Cabot, Godfrey L., Inc., Boston, Mass. Plasticizer. 544,626, July 3; Serial No. 600,029, published Apr. 10, 1951. Class 6.

California Spray Chemical Co., Berkeley, to California Spray-Chemical Corporation, Richmond, Calif. Insecticides, germicides, and fungicides. 281,810, renewed Mar. 31, 1951. O. G. July 3. Class 18.

California Spray-Chemical Corporation: *See*—
California Spray Chemical Co.

Cambridge Instrument Company, Inc., New York, N. Y. Electrocardiograph. 544,523, July 3; Serial No. 580,183, published Apr. 3, 1951. Class 44.

Carr-Consolidated Biscuit Company: *See*—
Ivins', J. S., Son, Inc.

Carrier Corporation, Syracuse, N. Y. Column of a periodical or house organ. 544,546, July 3; Serial No. 588,272, published Apr. 10, 1951. Class 38.

Carrier Corporation, Syracuse, N. Y. Gas, oil, or coal hot air furnaces, etc. 544,551, July 3; Serial No. 589,427, published Apr. 10, 1951. Class 34.

Carsolite Corporation, doing business as The Madison Laboratories, Chicago, Ill. Ready-mixed metallic paint. 544,463, July 3; Serial No. 520,549, published Apr. 3, 1951. Class 16.

Carter Coil Company: *See*—
McCullough, Henry C.

Carter Publications, Inc., Fort Worth, Tex. Entertainment services. 544,648, July 3; Serial No. 586,137, published Apr. 3, 1951. Class 107.

Carwood Manufacturing Company, Winder, Ga. Men's and boys' work pants, work shirts, overalls, etc. 428,166, Mar. 11, 1947. Republished July 3. Class 39.

Carwood Manufacturing Company, Winder, Ga. Men's and boys' overalls. 440,687, Sept. 21, 1948. Republished July 3. Class 39.

Carwood Manufacturing Company, Winder, Ga. Sportswear. 440,916, Oct. 12, 1948. Republished July 3. Class 39.

Cerebos Limited, London, England. Preparation for thickening and seasoning gravy, soup, and stews. 81,503, Apr. 18, 1911. Republished July 3. Class 46.

Cerebos Limited, London, England. Food-coloring preparation. 81,782, May 9, 1911. Republished July 3. Class 46.

Charlotte Chemical Laboratories, Inc., Charlotte, N. C. Washing powder. 394,229, Mar. 24, 1942. Republished July 3. Class 52.

Charlotte Chemical Laboratories, Inc., Charlotte, N. C. Organic amine compound. 395,097, May 12, 1942. Republished July 3. Class 6.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Bronze and brass bushings, copper hammer heads, etc. 397,446, Sept. 8, 1942. Republished July 3. Class 23.

Chemical Corporation, The, Springfield, Mass. Chemical preparations. 544,579, July 3; Serial No. 594,420, published Apr. 10, 1951. Class 6.

Chicago Mastic Company, Chicago, Ill. Latex type of mastic adhesive cement. 544,602, July 3; Serial No. 598,353, published Apr. 3, 1951. Class 5.

Civic Company, Limited, The: *See*—
Imperial Tobacco Company (of Great Britain and Ireland), Limited, The.

Clark's, Mrs., Foods, Incorporated, Des Moines, Iowa. Salad dressing, French dressing, Thousand Island dressing, etc. 544,669–70, July 3; Serial Nos. 564,371–2. Class 46.

Cleveland Heater Company, The, Cleveland, Ohio. Anode rods, cast and extruded alloy bars, etc. 544,469, July 3; Serial No. 537,985, published Apr. 3, 1951. Class 21.

Clifton Manufacturing Company, Waco, Tex. Venetian blinds. 544,651, July 3; Serial No. 497,456. Class 32.

Clover Farm Stores Corporation, Cleveland, Ohio. Weekly periodical, and prepared advertising. 544,563, July 3; Serial No. 592,982, published Mar. 20, 1951. Class 38.

Cluett, Peabody & Co., Inc., Troy, N. Y. Under shorts for men. 544,614, July 3; Serial No. 599,497, published Apr. 3, 1951. Class 39.

Coblentz Bag Company, Inc., New York, N. Y. Ladies' handbags. 544,686–7, July 3; Serial Nos. 584,265–6. Class 3.

Cohn, Jacob V., Detroit, Mich. Men's suits, topcoats, overcoats, etc. 544,693, July 3; Serial No. 589,150. Class 39.

Collier, A. Wilme, Limited, London, England. Adhesive paste and mucilage. 282,219, Apr. 14, 1931. Republished July 3. Class 5.

Colorado Milling & Elevator Co., The, doing business as The Crescent Flour Mills Co., Denver, Colo. Wheat flour. 544,480, July 3; Serial No. 553,167, published Feb. 6, 1951. Class 46.

Commercial Laboratories, Inc., Newark, N. Y. Kit for use in home permanent wave. 544,600, July 3; Serial No. 598,161, published Apr. 3, 1951. Class 44.

Costa Rican Coffee House, Inc.: *See*—
Rohromoser, Esquivel & Co.

Cowles Chemical Company: *See*—
Cowles Detergent Company.

Cowles Detergent Company, to Cowles Chemical Company, Cleveland, Ohio. Composite detergent or washing powder. 282,002, renewed Apr. 7, 1951. O. G. July 3. Class 52.

Crescent Flour Mills Co., The: *See*—
Colorado Milling & Elevator Co., The.

Crocker Packing Company, Joplin, Mo. Jellied cooked beef, ham, bacon, etc. 544,500, July 3; Serial No. 566,503, published Feb. 6, 1951. Class 46.

Cron & Dehn, Inc., by Dehn & Co., Inc., Seattle, Wash. Fresh fruit. 244,005, July 3, 1928. Republished July 3. Class 46.

Crosley Broadcasting Corporation, Cincinnati, Ohio. Sliding charts. 544,590, July 3; Serial No. 596,331, published Apr. 3, 1951. Class 38.

Cyc-Arc Limited, London, England. Studs, bolts, screws, etc. 544,473, July 3; Serial No. 544,552, published Apr. 10, 1951. Class 13.

Darcoid Company, Inc., The, New York, N. Y. Packing. 282,168, renewed Apr. 14, 1951. O. G. July 3. Class 35.

Davis, R. B., Company, Hoboken, N. J. Product comprising the ingredients: sugar, cocoa, oat flour, etc. 544,664, July 3; Serial No. 555,840. Class 46.

Dayton Rubber Company, The, Dayton, Ohio. Synthetic rubber compound. 544,557, July 3; Serial No. 590,888, published Apr. 3, 1951. Class 1.

Dehn & Co., Inc.: *See*—
Cron & Dehn, Inc.

Deland, C. M.: *See*—
De Land, Charles M.

De Land, Charles M., to C. M. Deland, New York; N. Y., Woolen piece goods. 284,547, renewed July 7, 1951. O. G. July 3. Class 42.

Diamond Match Company, The, New York, N. Y. Clothespins. 544,642, July 3; Serial No. 608,923, published Apr. 3, 1951. Class 24.

Dinjian, Geo. L., Fresno, by T. M. Parks, Lompoc, Calif. Lemons, grapefruit, fresh fruits. 242,599, May 29, 1928. Republished July 3. Class 46.

Doppelt, Charles & Company: *See*—
Doppelt, Charles, & Company, Inc.

Doppelt, Charles, & Company, Inc., Chicago, Ill., assignee of Charles Doppelt & Company. Toilet cases, brief cases, zipper envelopes, etc. 544,665, July 3; Serial No. 556,504. Class 3.

Drummond & Company, Inc., Pikesville, Md. Bituminous product for patching roads and driveways. 544,690, July 3; Serial No. 587,255. Class 12.

Dubuque Packing Company, Dubuque, Iowa. Hog carcasses and cuts thereof; bacon, fresh lamb and calves' livers, etc. 544,472, July 3; Serial No. 544,069, published Jan. 30, 1951. Class 46.

Duncan, William D., to J. D. Peltier, doing business as Duncan's Drug Store, Ottawa, Ill. Internal remedies. 36,131, re-renewed Mar. 26, 1951. O. G. July 3. Class 18.

Duncan's Drug Store: *See*—
Duncan, William D.

Economics Laboratory Inc., St. Paul, Minn. Glasswashing compound. 544,531, July 3; Serial No. 583,643, published Apr. 10, 1951. Class 52.

Edmondson, William R., doing business as Billy's Butter Bretzels, Reading, Pa. Pretzels. 544,518, July 3; Serial No. 578,682, published Apr. 10, 1951. Class 46.

Egyptian Sales Co., Boston, Mass. Lamp shades for electric lamps. 544,491, July 3; Serial No. 560,687, published Apr. 10, 1951. Class 21.

Electric Insulation Co.: *See*—
Electric Insulation Company.

Electric Insulation Company, also known as Electric Insulation Co., Philadelphia, Pa. Varnished and unvarnished cambric tape and sheets for electrical insulation. 544,547, July 3; Serail No. 588,429, published Apr. 10, 1951. Class 21.

Electric Storage Battery Company, The, Philadelphia, Pa. Secondary or storage batteries or accumulators, their parts, and accessories. 36,186, re-renewed Apr. 2, 1951. O. G. July 3. Class 21.

Electric Storage Battery Company, The, Philadelphia, Pa. Microporous storage battery separators and retainers. 544,568, July 3; Serial No. 593,588, published Apr. 10, 1951. Class 21.

Electro-Physical Laboratories, Inc., Rye, N. Y. Electrocardiographs. 544,517, July 3; Serial No. 593,268, published Apr. 10, 1951. Class 44.

Emery Industries, Inc., Cincinnati, Ohio. Dry cleaning services. 544,650, July 3; Serial No. 598,247, published Apr. 10, 1951. Class 103.

Emery & Kavanagh Co., by Jones & Kavanagh Co., Ltd., Los Angeles, Calif. Fresh vegetables. 247,968, Oct. 9, 1928. Republished July 3. Class 46.

Eriez Manufacturing Company, Erie, Pa. Non-electric permanent magnetic separators. 544,489, July 3; Serial No. 559,913, published June 27, 1950. Class 21.

Euclid Crane & Hoist Company, The, to The Euclid Road Machinery Co., Euclid, Ohio. Mobile earth-moving machinery. 282,468, renewed Apr. 21, 1951. O. G. July 3. Class 19.

Euclid Road Machinery Co., The: *See*—
Euclid Crane & Hoist Company, The.

Evans, Robert C., doing business as Robert C. Evans Mfg., Monterey Park, Calif. Mattresses and box springs. 544,679, July 3; Serial No. 578,382. Class 32.
Evans, Robert C., Mfg.: *See*—
Evans, Robert C.
Faber, Eberhard, New York, to Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead-pencils and rubber erasers. 83,564, re-renewed Sept. 26, 1951. O. G. July 3. Class 37.
Faber, Eberhard, Pencil Company: *See*—
Faber, Eberhard.
Fairbairn, Thomas E., doing business as Video Associates, Toledo, Ohio. Antennae and parts thereof. 544,612, July 3; Serial No. 599,426, published Apr. 10, 1951. Class 21.
Fashion Park Associates, Inc., to Fashion Park, Inc., Rochester, N. Y. Sweaters, hats, caps, etc. 285,901, renewed Aug. 11, 1951. O. G. July 3. Class 39.
Fashion Park Associates, Inc., to Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, etc. 286,284, renewed Aug. 25, 1951. O. G. July 3. Class 39.
Fashion Park Associates, Inc., to Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, etc. 286,552, renewed Sept. 1, 1951. O. G. July 3. Class 39.
Fashion Park Associates, Inc., to Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, etc. 286,842, renewed Sept. 8, 1951. O. G. July 3. Class 39.
Fashion Park, Inc.: *See*—
Fashion Park Associates Inc.
Federal Electric Products Company, Newark, N. J. Electric switches, meter troughs, etc. 544,621, July 3; Serial No. 599,701, published Apr. 10, 1951. Class 21.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Artificial and synthetic compositions, natural and synthetic essential oils, etc. 544,571, July 3; Serial No. 594,030, published Apr. 10, 1951. Class 6.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Artificial and synthetic chemical compositions, natural and synthetic essential oils, etc. 544,572–6, July 3; Serial Nos. 594,033–7, published Apr. 10, 1951. Class 6.
Firmenich, Incorporated: *See*—
Firmenich & Co.
Fisher-Price Toys, Inc., East Aurora, N. Y. Magazine periodicals. 544,474, July 3; Serial No. 545,115, published Mar. 27, 1951. Class 38.
Flex-O-Glass, Inc.: *See*—
Flex-O-Glass Manufacturing Company.
Warp, Harold.
Flex-O-Glass Manufacturing Co.: *See*—
Warp, Harold.
Flex-O-Glass Manufacturing Company: *See*—
Warp, Harold.
Flex-O-Glass Manufacturing Company, by Flex-O-Glass, Inc., Chicago, Ill. Transparent, waterproof oiled cloth for covering tents, porches, storm doors, etc. 206,256, Nov. 24, 1925. Republished July 3. Classes 42 & 50.
Florsheim Shoe Company, The, Chicago, Ill. Men's and women's cloth and leather boots and shoes. 544,699–700, July 3; Serial Nos. 596,659–60. Class 39.
Francks, J. S., Fort Worth, Tex. Cooking and barbecue machines. 544,537, July 3; Serial No. 586,478, published Apr. 10, 1951. Class 34.
Frazee & Russell Co., Glastonbury, Conn. Convertible nursery seats. 544,495, July 3; Serial No. 564,445, published Apr. 10, 1951. Class 13.
Frigo Brothers Cheese Corporation, Iron Mountain, Mich., and Lena, Wis. Cheese. 544,667, July 3; Serial No. 558,645. Class 46.
Fuller Brush Company, The, Hartford, Conn. All purpose cleaner, chemically treated polishing cloths, denture cleaner, etc. 544,659, July 3; Serial No. 548,955. Class 4.
Gendron Wheel Company, Perrysburg, Ohio. Invalid folding wheel chairs. 544,577, July 3; Serial No. 594,116, published Apr. 3, 1951. Class 44.
General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Electric flatirons. 544,608, July 3; Serial No. 599,237, published Apr. 10, 1951. Class 21.
Germano, A. & Son, New York, N. Y. Olive oil. 544,678, July 3; Serial No. 578,328. Class 46.
Gerrard, S. A., Company, The, Cincinnati, Ohio. Fresh deciduous fruits, fresh vegetables, grapes, etc. 544,487, July 3; Serial No. 558,132, published Apr. 10, 1951. Class 46.
Gibson Quality Hatcheries, Inc., Lexington, Mo. Live baby chicks. 544,558, July 3; Serial No. 590,933, published Apr. 3, 1951. Class 1.
Glencoe Distillery Co., Louisville, Ky., by Glencoe Distilling Company, Chicago, Ill. Whiskey. 293,427, Apr. 19, 1932. Republished July 3. Class 49.
Glencoe Distilling Company: *See*—
Glencoe Distillery Co.
Goldfarb Bros., New York, N. Y. Cotton fabrics. 544,671, July 3; Serial No. 566,131. Class 42.
Gold Medal Packing Corporation, Utica, N. Y. Meats and meat products. 544,470, July 3; Serial No. 538,119, published Mar. 13, 1951. Class 46.
Greinetz, Phil, doing business as Los Wigwam Weavers, Denver, Colo. Neck-ties. 544,653, July 3; Serial No. 520,389. Class 39.
Gumakers of America, Inc., New York, N. Y. Chewing gum. 544,506, July 3; Serial No. 571,428, published Mar. 20, 1951. Class 46.
Gumakers of America, Inc., New York, N. Y. Chewing gum. 544,507, July 3; Serial No. 571,429, published Mar. 13, 1951. Class 46.
Haft, Morris W., & Bros, Inc., by Jaunty Juniors, Inc., New York, N. Y. Ladies' outer garments. 177,554, Dec. 18, 1923. Republished July 3. Class 39.
Haft, Morris W., & Brothers Inc., by Jaunty Juniors, Inc., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. 425,726, Dec. 3, 1946. Republished July 3. Class 39.
Hal-Hen Company, New York, N. Y. Hearing aid receiver cords and hearing aid receiver cord checkers. 544,555, July 3; Serial No. 590,363, published Apr. 3, 1951. Class 44.
Hall-Mack Company, Los Angeles, Calif. Wall bathroom accessories. 544,668, July 3; Serial No. 563,047. Class 13.
Hamilton Watch Company, Lancaster, Pa. Watch dials. 206,752, renewed Feb. 4, 1950. O. G. July 3. Class 27.
Hamlen, J. H., & Son, Inc.: *See*—
Hamlen, James H., & Son.
Hamlen, James H., & Son, Portland, Maine, to J. H. Hamlen & Son, Inc., Portland, Maine, and Little Rock, Ark. Staves and heads of barrels, casks, hogsheads, etc. 36,687, re-renewed July 2, 1951. O. G. July 3. Class 2.
Handmacher-Vogel, Inc., assignee: *See*—
Tailored Trend, Inc.
Harkness & Company, Wellsville, N. Y. Cleaning compound. 544,549, July 3; Serial No. 588,952, published Apr. 10, 1951. Class 52.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Roller skates. 544,615, July 3; Serial No. 599,565, published Apr. 10, 1951. Class 22.
Harris, Thomas A., New York, N. Y., to Tootal Broadhurst Lee Company Limited, Manchester, England. Voiles. 81,704, re-renewed May 2, 1951. O. G. July 3. Class 42.
Harrison & Jarboe, Sherwood, Md. Canned vegetables. 544,538–9, July 3; Serial Nos. 587,027–8, published Mar. 20, 1951. Class 46.
Hart, Robert W., trading as Rohart, Arlington, Va. Men's pajamas, slacks, trousers and outer shirts and under shirts. 544,492, July 3; Serial No. 562,037, published Feb. 14, 1950. Class 39.
Harvey, John, & Sons, Limited, Bristol, England. Port wine. 281,798, renewed Mar. 31, 1951. O. G. July 3. Class 47
Harvey Lamps, Inc., Brooklyn, N. Y. Electric lamp shades. 544,519, July 3; Serial No. 578,690, published Apr. 3, 1951. Class 21.
Hess-Taylor Company, Inc., New York, N. Y. Ladies' and misses' hosiery. 544,542, July 3; Serial No. 587,949, published Apr. 3, 1951. Class 39.
Hicks Laboratories, Inc., to F. Prostick, New York, N. Y. Seed for the extermination of rodents. 279,079, renewed Jan. 6, 1951. O. G. July 3. Class 6.
Hockaday, Inc.: *See*—
Morgan Company, The.
Hollandia Toy & Furniture Co., Inc., Wilmington, Del., New York, N. Y., and Princess Anne, Md. Electric lamps. 544,526, July 3; Serial No. 581,557, published Apr. 10, 1951. Class 21.
Honan-Crane Corporation, Lebanon, Ind. Trade publication. 544,464, July 3; Serial No. 520,560, published Apr. 10, 1951. Class 38.
Hub Appliance Stores: *See*—
Morguloff, Alex.
Hungerford Plastics Corporation, New Providence, N. J. Electrical table and wall lamps. 544,545, July 3; Serial No. 588,090, published Apr. 10, 1951. Class 21.
Huston, Tom: *See*—
Huston, Tom, Peanut Company.
Huston, Tom, Frozen Foods, Inc.: *See*—
Huston, Tom, Peanut Company.
Huston, Tom, Peanut Company, doing business as Tom Huston Frozen Foods, Inc., Columbus, Ga., to Tom Huston, Miami, Fla. Frozen fruits. 283,956, renewed June 9, 1951. O. G. July 3. Class 46.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Soaps and washing powders. 281,537, renewed Mar. 24, 1951. O. G. July 3. Class 52.
Ideal Novelty & Toy Co., Hollis, N. Y., now by change of name Ideal Toy Corporation. Dolls. 544,632, July 3; Serial No. 600,489, published Apr. 10, 1951. Class 22.
Ideal Toy Corporation: *See*—
Ideal Novelty & Toy Co.
Imperial Chemical Industries Limited, London and Millbank, London, England. Nitro-cellulose adhesives, etc. 544,584, July 3; Serial No. 594,777, published Apr. 3, 1951. Class 5.
Imperial Glass Corporation, Bellaire, Ohio. Glassware. 544,479, July 3; Serial No. 552,785, published Apr. 10, 1951. Class 33.
Imperial Tobacco Company (of Great Britain and Ireland), Limited, The, Bristol, by The Civic Company, Limited, London, England. Tobacco-pipes, cigar and cigarette holders. 81,531, Apr. 18, 1911. Republished July 3. Class 8.
Industrial Medicine Publishing Company, Chicago, Ill. Periodical publication-column. 544,465, July 3; Serial No. 526,344, published Mar. 27, 1951. Class 38.

International Fire Equipment Corporation, Staten Island, N. Y. Fire extinguishing liquid. 544,591, July 3; Serial No. 596,494, published Apr. 10, 1951. Class 6.
Ivins', J. S., Son, Inc., Philadelphia, to Carr-Consolidated Biscuit Company, Wilkes-Barre, Pa. Cookies, cakes, and crackers. 285,540, renewed July 28, 1951. O. G. July 3. Class 46.
Jaunty Juniors, Inc.: *See*—
Haft, Morris W., & Bros. Inc.
Haft, Morris W., & Brothers Inc.
Java Food Products, Inc., Jersey City, N. J. Cocktail wafers or crackers. 544,525, July 3; Serial No. 580,992, published Apr. 3, 1951. Class 46.
Joachim, Leo H., New York, N. Y. Columns, features and articles. 544,627, July 3; Serial No. 600,059, published Mar. 27, 1951. Class 38.
Jones & Kavanagh Co., Ltd.: *See*—
Emery & Kavanagh Co.
Jones, Paul D., Inc., Hollandale, Minn. Potatoes. 544,467, July 3; Serial No. 534,288, published Jan. 16, 1951. Class 46.
Jordan, Albert E.: *See*—
Kingan & Co. Incorporated.
Jordan Electrical Manufacturing Company, Minneapolis, Minn. Regular, fast and trickle storage battery chargers, storage battery booster chargers, etc. 544,498, July 3; Serial No. 566,234, published Apr. 10, 1951. Class 21.
Justrite Manufacturing Company, Chicago, Ill. Portable flashlight lanterns. 544,535, July 3; Serial No. 585,533, published Apr. 10, 1951. Class 21.
Kalamazoo Sled Company, The, Kalamazoo, Mich. Sleds. 544,536, July 3; Serial No. 585,848, published Mar. 27, 1951. Class 22.
Kaltman, Samuel, doing business under the name and style of Mutual Spice Co., North Bergen, N. J. Spices and herbs. 544,569, July 3; Serial No. 593,802, published Mar. 13, 1951. Class 46.
Kaye-Meyers, Inc., New York, N. Y. Key pouches, key cases or containers. 544,655, July 3; Serial No. 523,682. Class 3.
Kellogg Seed Company, Milwaukee, Wis. Seed. 284,354, renewed June 23, 1951. O. G. July 3. Class 1.
Kennedy, David E., Inc., Brooklyn, N. Y. Kit containing tools, supplies and instructions for installing tile floors. 544,597, July 3; Serial No. 597,529, published Apr. 10, 1951. Class 50.
Kingan & Co. Incorporated, Indianapolis, Ind., sometimes doing business under the trading name of Albert E. Jordan, Richmond, Va. Ham, bacon, and pork shoulder steaks. 544,493, July 3; Serial No. 562,068, published Apr. 10, 1951. Class 46.
Kops Bros., Inc., New York, N. Y. Corsets, brassières, and girdles. 281,939, renewed Apr. 7, 1951. O. G. July 3. Class 39.
Kresge Department Store Corporation, to Kresge-Newark, Inc., Newark, N. J. Men's clothing. 285,433, renewed July 28, 1951. O. G. July 3. Class 39.
Kresge-Newark, Inc.: *See*—
Kresge Department Store Corporation.
Lalique, Rene, et Cie, S. R. L., Paris, France, and elsewhere. Glassware. 544,587, July 3; Serial No. 595,559, published Apr. 10, 1951. Class 33.
Levere Company: *See*—
Levere, J. Leonard.
Levere, J. Leonard, doing business as Levere Company, New York, N. Y. Precious, synthetic, and imitation stones. 544,660, July 3; Serial No. 551,285. Class 28.
Liebers, Albert S., New York, N. Y. Methanol antifreeze. 544,624, July 3; Serial No. 599,954, published Apr. 10, 1951. Class 6.
Life Savers Corporation, Port Chester, N. Y. Candies. 544,702–3, July 3; Serial Nos. 604,727–8. Class 46.
Los Wigwam Weavers: *See*—
Greinetz, Phil.
Lowe, Joe, Corporation: *See*—
Popsickle Corporation of the United States, The.
Lundgren, Stanley F., doing business as Op-Pro, Inc., Minneapolis, Minn. Dental mirrors. 544,559, July 3; Serial No. 591,096, published Apr. 3. Class 44.
Macmillan Petroleum Corporation: *See*—
Macmillan Petroleum Products Company.
Macmillan Petroleum Products Company, by Macmillan Petroleum Corporation, Los Angeles, Calif. Kerosene, gasoline, naptha, etc. 249,592, Nov. 20, 1928. Republished July 3. Class 15.
Macy, R. H., & Co., Inc.: *See*—
Bamberger, L. & Co.
Madison Laboratories, The: *See*—
Carsolite Corporation.
Mahon, Thomas J., trading as Thomas J. Mahon Company, New York, N. Y. Books. 544,606, July 3; Serial No. 598,917, published Apr. 10, 1951. Class 38.
Mahon, Thomas J., Company: *See*—
Mahon, Thomas J.
Manitowoc Cotton Goods Mfg. Co., Manitowoc, Wis. Button protector and/or like pad for use in laundering, etc. 544,524, July 3; Serial No. 580,935, published Mar. 27, 1951. Class 24.
Manning, Maxwell & Moore, Incorporated, New York, N. Y. Electrical apparatus. 544,462, July 3; Serial No. 520,514, published July 18, 1950. Class 21.
Marathon Corporation: *See*—
Menasha Products Company, The.
Markt & Hammacher Company, New York, N. Y. Saws. 83,503, re-renewed Sept. 19, 1951. O. G. July 3. Class 23.
Marshall Field & Company, Chicago, Ill. Advertising supplement. 544,620, July 3; Serial No. 599,629, published Mar. 27, 1951. Class 38.
Marvel Company, The, New Haven, Conn. Fountain and douche syringes. 287,075, renewed Sept. 15, 1951. O. G. July 3. Class 44.
Matthews, W. N., Corporation, St. Louis, Mo. Wire connectors. 544,466, July 3; Serial No. 527,142, published Oct. 31, 1950. Class 21.
Maxcy, L., Inc., Frostproof, Fla. Fresh citrus fruits. 278,770, renewed Dec. 30, 1950. O. G. July 3. Class 46.
McCullough, Henry C., doing business as VMC Coil Company, assignor to Carter Coil Company, Atlanta, Ga. Form wound coils. 544,581, July 3; Serial No. 594,559, published Apr. 10, 1951. Class 21.
McCunn, James M., doing business as James M. McCunn and Company, by James M. McCunn & Co., Inc., New York, N. Y. Whiskey. 372,399, Oct. 31, 1939. Republished July 3. Class 49.
McCunn, James M., doing business as James M. McCunn & Co., by James M. McCunn & Co., Inc., New York, N. Y. Puerto Rican rum. 374,215, Jan. 2, 1940. Republished July 3. Class 49.
McCunn, James M., & Co.: *See*—
McCunn, James M.
McCunn, James M., and Company: *See*—
McCunn, James M.
McCunn, James M., & Co., Inc.: *See*—
McCunn, James M.
McGraw Electric Company, Elgin, Ill., and St. Louis, Mo. Protectors for electric circuits. 544,541, July 3; Serial No. 587,899, published Apr. 3, 1951. Class 21.
McGraw Electric Company, Elgin, Ill., and St. Louis, Mo. Protectors for electric circuits. 544,543, July 3. Serial No. 587,963, published Apr. 3, 1951. Class 21.
McMath-Axilrod Corporation, Dallas, Tex. Electrical display and advertising signs. 544,630, July 3; Serial No. 600,298, published Apr. 10, 1951. Class 21.
Menasha Products Company, The, Chicago, Ill., to Marathon Corporation, Rothschild, Wis. Waxed paper. 279,411, renewed Jan. 13, 1951. O. G. July 3. Class 37.
Messenger Corporation, Auburn, Ind. Greeting cards. 544,552, July 3; Serial No. 589,587, published Mar. 27, 1951. Class 38.
Metropolitan Electric Mfg. Co., Long Island City, N. Y. Safety switches. 544,689, July 3; Serial No. 585,804. Class 21.
Metzger, Morris, & Sons, Inc., assignee: *See*—
Sportowne Coat Co., Inc.
Midwestern Broadcasting Company, Traverse City, Mich. Advertising the goods and services of others. 544,647, July 3; Serial No. 572,441, published Apr. 3, 1951. Class 101.
Minit Steak Co., Cleveland, Ohio. Packaged pork link sausage. 544,680, July 3; Serial No. 579,610. Class 46.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature-controlled valves. 282,192, renewed Apr. 14, 1951. O. G. July 3. Class 26.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sound recording tape. 544,478, July 3; Serial No. 551,126, published Apr. 3, 1951. Class 21.
Modern Packaging Corp., New York, N. Y. Section in a periodical publication. 544,603, July 3; Serial No. 598,742, published Apr. 10, 1951. Class 38.
Monsanto Chemical Company, St. Louis, Mo. Aluminum salts. 544,622, July 3; Serial No. 599,771, published Apr. 10, 1951. Class 6.
Morgan Company, The, to Hockaday, Inc., Chicago, Ill. Industrial paint enamels. 286,562, renewed Sept. 1, 1951. O. G. July 3. Class 16.
Morgan Company, The, to Hockaday, Inc., Chicago, Ill. Protective ready mixed paints. 286,563, renewed Sept. 1, 1951. O. G. July 3. Class 16.
Morguloff, Alex, doing business as Hub Appliance Stores, Detroit, Mich. Electric domestic vacuum cleaners. 541,879, May 1, 1951. Corrected. O. G. July 3. Class 21.
Morris Furniture Mfg. Co., Inc., Los Angeles, Calif. Bedroom furniture, dining room furniture. 544,697, July 3. Serial No. 594,057. Class 32.
Motor Wheel Corporation, Lansing, Mich. Oil burning space heaters, gas burning space heaters, oil burning basement and floor furnaces, etc. 544,633, July 3; Serial No. 600,904, published Apr. 3, 1951. Class 34.
Muffin Syndicate, The, London, England. Puppets. 544,505, July 3; Serial No. 571,102, published Mar. 27, 1951. Class 22.
Mullins, John, & Sons, Inc.: *See*—
Buckley-Newhall Company, The.
Buckley, Newhall Company, The.
Mupu Citrus Assn.: *See*—
Mupu Citrus Association.
Mupu Citrus Association, also doing business as Mupu Citrus Assn., Santa Paula, Calif. Fresh citrus fruits. 544,682, July 3; Serial No. 580,088. Class 46.
Muralo Company, Inc., The, New Brighton and Staten Island, N. Y. Water paint and colors. 544,475, July 3; Serial No. 546,314, published Mar. 27, 1951. Class 16.

Mutual Spice Co.: *See*—
Kaltman, Samuel.

National Chemical & Manufacturing Company, Chicago, Ill. Synthetic rubber emulsion paints. 544,599, July 3; Serial No. 597,972, published Mar. 27, 1951. Class 16.

National Rubber Machinery Company, Akron, Ohio. Electrically operated domestic garbage disposal units. 544,634, July 3; Serial No. 600,906, published Apr. 10, 1951. Class 21.

Navajo Freight Lines, Inc., Los Angeles, Calif. Transportation of freight by truck. 544,649, July 3; Serial No. 597,837, published Apr. 3, 1951. Class 105.

Nehi Corporation, Columbus, Ga. Beverage dispensing equipment. 544,508–9, July 3; Serial Nos. 571,568–9, published Apr. 10, 1951. Class 13.

New Jersey Zinc Company, The, New York, N. Y. Zinc oxide for use in paints and in ingredients thereof. 544,503, July 3; Serial No. 568,269, published Mar. 27, 1951. Class 16.

No-Flame Chemical Corporation, Los Angeles, Calif. Paints, floor, wall and masonry paints, structural steel paint, etc. 544,666, July 3; Serial No. 558,237. Class 16.

Norris Inc., Atlanta, Ga. Candy. 544,578, July 3; Serial No. 594,141, published Mar. 13, 1951. Class 46.

Northmont Hosiery Corporation, Reading, Pa. Hosiery for women and girls. 544,692, July 3; Serial No. 588,510. Class 39.

Olson, C. M., Cassville, Mo. Entertainment services. 544,643, July 3; Serial No. 545,068, published Apr. 3, 1951. Class 107.

Op-Pro, Inc.: *See*—
Lundgren, Stanley F.

Opti-Clens and Specialties Company, Atlanta, Ga. Liquid abrasive. 544,676, July 3; Serial No. 574,373. Class 4.

Orpro Food Products Company, Inc., Los Angeles, Calif. Concentrated apples. 544,497, July 3; Serial No. 564,783, published Apr. 3, 1951. Class 46.

Pabco Products Inc.: *See*—
Paraffine Companies, Inc., The.

Pacific Laminates, Costa Mesa, Calif. Fishing rod blanks. 544,598, July 3; Serial No. 597,776, published Mar. 27, 1951. Class 22.

Paraffine Companies, Inc., The, to Pabco Products Inc., San Francisco, Calif. Paint brushes. 285,544, renewed July 28, 1951. O. G. July 3. Class 29.

Parfums Charbert Inc., New York, N. Y. Bath oil. 544,561, July 3; Serial No. 591,796, published Apr. 10, 1951. Class 51.

Parks, T. M.: *See*—
Dinjian, Geo. L.

Patron Chemical Corporation, Los Angeles, Calif. Preparation for removing adhesive tape. 544,625, July 3; Serial No. 599,970, published Apr. 10, 1951. Class 6.

Peek, Frean & Company Limited, London, England. Biscuits and crackers. 281,775, renewed Mar. 31, 1951. O. G. July 3. Class 46.

Peltier, Jennie D.: *See*—
Duncan, William D.

Pennsylvania Salt Manufacturing Company, The: *See*—
I. G. Farbenindustrie Aktiengesellschaft.

Penuzoil Company, The, Los Angeles, Calif. Lubricating oils and greases. 284,306, renewed June 23, 1951. O. G. July 3. Class 15.

Perfumeria Gal., S. A., Madrid, Spain. Chemical compound for use on the hair. 273,095, renewed July 22, 1950. O. G. July 3. Class 51.

Peters Sales Company, Inc., Lake Alfred, Fla. Canned fruit juices and canned grapefruit sections. 544,560, July 3; Serial No. 593,238, published Jan. 23, 1951. Class 46.

Peterson, Lorena, doing business as Peterson Sales Company, St. Louis, Mo. Radiator cement. 544,477, July 3; Serial No. 549,574, published Apr. 10, 1951. Class 6.

Peterson Sales Company: *See*—
Peterson, Lorena.

Phi Lambda Upsilon, Tuscon, Ariz., to Phi Lambda Upsilon, New York, N. Y. Keys and badges. 285,724, renewed Aug. 4, 1951. O. G. July 3. Class 28.

Pierce, F. O., Company, Long Island City, N. Y. Ready-mixed gloss paint. 544,585, July 3; Serial No. 595,090, published Mar. 27, 1951. Class 16.

Pierce & Stevens, Inc., Buffalo, N. Y. Liquid chemical composition for use as a paint and varnish remover. 544,550, July 3; Serial No. 589,273, published Mar. 27, 1951. Class 16.

Pinkerton's National Detective Agency, Inc., New York, N. Y. Private detective investigations and property surveillance. 539,452, Mar. 13, 1951. Corrected. O. G. July 3. Class 100.

Popsicle Corporation of the United States, The, by Joe Lowe Corporation, New York, N. Y. Sticks or handles for suckers. 284,006, June 9, 1931. Republished July 3. Class 13.

Processed Trout Foods, Inc., St. Ignatius, Mont. Fish food. 544,532, July 3; Serial No. 583,774, published Mar. 13, 1951. Class 46.

Prostick, Frieda: *See*—
Hicks Laboratories, Inc.

Reading Batteries, Inc., Reading, Pa. Storage batteries. 544,616, July 3; Serial No. 599,584, published Apr. 10, 1951. Class 21.

Red-O-Lent Products Company, West Palm Beach, Fla. Cream for relief of foot ailments, etc. 281,827, renewed Mar. 31, 1951. O. G. July 3. Class 18.

Reinherz, Julius, doing business as Standard Liquidating Company, Brighton, Mass. Polishing wheels. 544,530, July 3; Serial No. 582,861, published Apr. 10, 1951. Class 4.

Rembrandt Lamp Corporation, Chicago, Ill. Shades for electric lamps. 544,554, July 3; Serial No. 590,283, published Apr. 10, 1951. Class 21.

Rex, M. A., Los Angeles, Calif. Canned sardines. 239,151, Feb. 21, 1928. Republished July 3. Class 46.

Rexbilt Leather Goods Corp., New York, N. Y. Brief cases, overnight cases, suit cases, etc. 544,694, July 3; Serial No. 590,852. Class 3.

Rice-Stix Dry Goods Company, St. Louis, Mo. Children's and infants' shoes, robes, dresses, etc. 544,662, July 3; Serial No. 553,310. Class 39.

Riegel Paper Corporation, Riegelsville, N. J., and New York, to Riegel Paper Corporation, New York, N. Y. Sulphite tag paper. 282,730, renewed Apr. 28, 1951. O. G. July 3. Class 37.

Riley, Jack M., Shreveport, La. Reproductions of well logs. 544,522, July 3; Serial No. 579,892, published Apr. 10, 1951. Class 38.

Ritter Company, Inc., Rochester, N. Y. Dental, medical, and surgical appliances. 544,533, July 3; Serial No. 584,014, published Apr. 3, 1951. Class 44.

Rodriguez y Compañia, Habana, Cuba. Rice. 544,496, July 3; Serial No. 564,467, published Jan. 2, 1950. Class 46.

Rohart: *See*—
Hart, Robert W.

Rohrmoser, Esquivel & Co., San Jose, Costa Rica, to Costa Rican Coffee House, Inc., Chicago, Ill. Coffee. 284,685, renewed July 7, 1951. O. G. July 3. Class 46.

Rossell, Henry, & Company Limited: *See*—
Rossell, Henry, & Co. Ltd.

Rossell, Henry, & Co. Ltd., to Henry Rossell & Company Limited, Sheffield, England. Twist, mining, rock-boring, and wood-boring drills, etc. 77,730, re-renewed May 3, 1950. O. G. July 3. Class 23.

Roxborough Company, The, Philadelphia, Pa. Chemical composition. 544,617–18, July 3; Serial Nos. 599,591–2, published Apr. 10, 1951. Class 6.

Rural Natural Gas Co., Cincinnati, Ohio. Propane gas. 544,623, July 3; Serial No. 599,903, published Apr. 10, 1951. Class 6.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned crab meat. 544,501, July 3; Serial No. 567,038, published Apr. 3, 1951. Class 46.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned fish. 544,502, July 3; Serial No. 567,044, published Apr. 3, 1951. Class 46.

Sandoz Chemical Works, Inc., New York, N. Y. Synthetic and natural dyestuffs; chemicals and oils adapted for dyeing, etc. 315,685, Aug. 7, 1934. Republished July 3. Class 6.

Sapolin Paints Inc., New York, N. Y. Ready mixed paints. 544,696, July 3; Serial No. 593,892. Class 16.

Schalk, Charles L., Ketchum, Idaho. Pickled trout. 544,556, July 3; Serial No. 590,563, published Mar. 13, 1951. Class 46.

Schwab Furnace Co., Milwaukee, Wis. Incinerators. 544,638, July 3; Serial No. 601,337, published Mar. 27, 1951. Class 34.

Schwartz, Arnold A.: *See*—
Alabastine Company.

Scott Radio Laboratories, Inc., Chicago, Ill. Television receiving sets. 544,640, July 3; Serial No. 603,463, published Apr. 3, 1951. Class 21.

Sea Island Mills, Incorporated, New York, N. Y. Cotton piece goods. 544,639, July 3; Serial No. 601,949, published Apr. 10, 1951. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Automobile structural parts and accessories. 544,488, July 3; Serial No. 558,752, published Apr. 3, 1951. Class 19.

Sears, Roebuck and Co., Chicago, Ill. Electric soldering irons, electric motors, etc. 544,504, July 3; Serial No. 570,517, published Apr. 3, 1951. Class 21.

Sears, Roebuck and Co., Chicago, Ill. Wool face hair back felt carpets. 544,683, July 3; Serial No. 581,029. Class 42.

Seidlitz Paint & Varnish Co., Kansas City, Mo. Clear varnish. 544,468, July 3; Serial No. 536,151, published Apr. 3, 1951. Class 16.

Seidlitz Paint & Varnish Company, Kansas City, Mo. Paint. 544,601, July 3; Serial No. 598,326, published Mar. 27, 1951. Class 16.

Seneca Food Products Corporation, Utica, N. Y. Malt syrup. 285,912, renewed Aug. 11, 1951. O. G. July 3. Class 46.

Seng Company, The, Chicago, Ill. Mechanism for alternatively securing a platform lounge chair at any of several predetermined angles. 544,688, July 3; Serial No. 584,350. Class 32.

Serio, James V., Dunkirk, N. Y. Rifle scope sights. 544,701. July 3; Serial No. 599,536. Class 26.

Service Industries, Philadelphia, Pa. Acid/alkali-proof coating. 544,629, July 3; Serial No. 600,229, published Apr. 10, 1951. Class 6.

Sewall Paint & Varnish Company, Kansas City, Mo. to American-Marietta Company, Chicago, Ill. Color mixing apparatus. 285,997, renewed Aug. 11, 1951. O. G. July 3. Class 26.

Sharp, Doris K., Hollywood, Calif., and New York, N. Y. Theatrical employment agency services. 544,705, July 3; Serial No. 568,540. Class 101.

Smith Brothers, Inc., to Smith Brothers, Inc., Poughkeepsie, N. Y. Cough syrup. 283,770, renewed June 9, 1951. O. G. July 3. Class 18.

Sollitt, Sumner S., doing business as Associated Painters and Decorators, Chicago, Ill. Painting the interior and exterior of buildings. 544,644, July 3; Serial No. 554,821, published Apr. 3, 1951. Class 103.

South Bay Growers, Inc., South Bay, Fla. Fresh vegetables. 544,564, July 3; Serial No. 593,022, published Jan. 30, 1951. Class 46.

South Bend Bait Company, South Bend, Ind. Fishing tackle. 544,631, July 3; Serial No. 600,399, published Apr. 10, 1951. Class 22.

Southern Pecan Shelling Company: *See*—
Southern Pecan Shelling Co.

Southern Pecan Shelling Co., to Southern Pecan Shelling Company, San Antonio, Tex. Fresh, candied, and salted pecans. 284,624, renewed July 7, 1951. O. G. July 3. Class 46.

Sportowne Coat Co., Inc., assignor to Morris Metzger & Sons, Inc., New York, N. Y. Ladies' and misses' detachable coat linings and ladies' and misses' coats. 544,654, July 3; Serial No. 520,909. Class 39.

Spun-Glo Products Co., Chicago, Il. Shades for electric lamps. 544,553, July 3; Serial No. 589,601, published Apr. 10, 1951. Class 21.

Spur Knitting Mills Inc., New York, N. Y. Ladies', misses', children's, infants' and juniors', sweaters; and knitted pantie suits for infants and children. 544,471, July 3; Serial No. 542,361, published Apr. 3, 1951. Class 39.

Standard Liquidating Company: *See*—
Reinherz, Julius.

Stauffer Chemical Company, San Francisco, Calif. Agricultural parasiticides. 544,588, July 3; Serial No. 595,687, published Apr. 10, 1951. Class 6.

Stop Rust Company, The, Chattanooga, Tenn. Chemical rustproofing material. 544,652, July 3; Serial No. 510,548. Class 6.

Strathmore Packing House Co., Strathmore, Calif. Fresh citrus fruits. 544,510, July 3; Serial No. 572,700, published Mar. 13, 1951. Class 46.

Stroock, S., & Co. Inc., New York, N. Y. Woven fabrics. 544,513, July 3; Serial No. 575,944, published Apr. 10, 1951. Class 42.

Suni-Citrus Products Company, Haines City, Fla. Dried citrus pulp. 544,656, July 3; Serial No. 530,783. Class 46.

Supergrate Open Steel Flooring Co.: *See*—
Bostrom, Gustav J.

Sutton, O. A., Corporation, Inc., The, Wichita, Kans. Electric fans, electric heater fans, and parts thereof. 544,548, July 3; Serial No. 588,714, published Apr. 10, 1951. Class 21.

Svendsen, Helge V., Copenhagen, Denmark. Liver paste en croûte. 544,607, July 3; Serial No. 599,130, published Apr. 3, 1951. Class 46.

Table Corporation of America, Cheltenham, Pa. Tables, desks and flower stands. 544,685, July 3; Serial No. 582,253. Class 32.

Tailored Trend, Inc., assignor to Handmacher-Vogel, Inc., New York, N. Y. Ladies' suits. 544,663, July 3; Serial No. 554,926. Class 39.

Takamine Laboratory, Inc., Clifton, N. J. Compound for use in cleaning fabrics. 544,604. July 3; Serial No. 598,763, published Apr. 3, 1951. Class 52.

Tar-Gon Products, Inc., Chicago, Ill. Dentifrice in stick form. 544,560, July 3; Serial No. 591,208, published Feb. 20, 1951. Class 51.

Tnusend, Felix, & Sons, New York, N. Y. Table-cloths, napkins, doilies, etc. 544,589, July 3; Serial No. 595,991, published Apr. 10, 1951. Class 42.

Terhune Yearance & Wolff, Inc., New York, N. Y., to Virginia Woolen Company, Winchester, Va. Woolen fabrics in the piece. 287,088, renewed Sept. 15, 1951. O. G. July 3. Class 42.

Thorn Sporting Goods, Inc., New York, N. Y. Footballs, basketballs, soccer balls, etc. 544,520, July 3; Serial No. 579,572, published Mar. 27, 1951. Class 22.

Tootal Broadhurst Lee Company Limited: *See*—
Harris, Thomas A.

Topic Toys: *See*—
Trager, David C.

Trager, David C., doing business as Topic Toys, Chicago, Ill. Children's feeding device. 544,517, July 3; Serial No. 578,467, published Mar. 27, 1951. Class 22.

Tri-Chem Corporation, Kearny, N. J. Waterproof marking paints. 544,534, July 3; Serial No. 584,558, published Mar. 27, 1951. Class 16.

Tucker's Mrs., Foods, Inc., Sherman, Tex. Oleomargarine, vegetable oil shortening, and cottonseed oil. 544,613, July 3; Serial No. 599,465, published Apr. 3, 1951. Class 46.

Union Carbide and Carbon Corporation: *See*—
Union Carbide Company.

Union Carbide Company, Chicago, Ill., to Union Carbide and Carbon Corporation, New York, N. Y. Calcium carbide. 83,615, re-renewed Sept. 26, 1951. O. G. July 3. Class 6.

Union Steel Products Company, Albion, Mich. Metal clothes drying racks. 544,527, July 3; Serial No. 581,630, published Mar. 27, 1951. Class 24.

United Tool and Die Company, The, West Hartford, Conn. Low pressure domestic heating boilers. 544,528, July 3; Serial No. 581,693, published Apr. 10, 1951. Class 34.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 544,609, July 3; Serial No. 599,350, published Apr. 10, 1951. Class 22.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 544,610, July 3; Serial No. 599,353, published Apr. 10, 1951. Class 22.

United States Radiator Corporation, Detroit, Mich. Electric water heaters. 544,637, July 3; Serial No. 601,177, published Apr. 10, 1951. Class 21.

Universal Western Chemical Corp., Chicago, Ill. Chemical preparation. 544,582, July 3; Serial No. 594,737, published Apr. 10, 1951. Class 6.

VMC Coil Company: *See*—
McCullough, Henry C.

Van Boytham, Stephan, Hollywood, Calif. Individually packaged sterile applicators. 544,521, July 3; Serial No. 579,732, published Apr. 3, 1951. Class 44.

Van der Heem N. V., The Hague, Netherlands. Electrical household appliances. 544,483, July 3; Serial No. 556,038, published Apr. 10, 1951. Class 21.

Van der Heem N. V., The Hague, Netherlands. Electric coffee grinders, electric food stirring and mixing devices, etc. 544,484, July 3; Serial No. 556,039, published Apr. 10, 1951. Class 21.

Van der Heem N. V., The Hague, Netherlands. Electric vacuum cleaners, electric floor polishers, electric fans, etc. 544,485, July 3; Serial No. 556,040, published Apr. 10, 1951. Class 21.

Van Raalte Company, Inc., New York, N. Y. Women's, misses', and children's slips, gloves, hosiery, etc. 544,657, July 3; Serial No. 533,374. Class 39.

Velveray Corporation, New York, N. Y. Decorated and printed plastic films for making into shower curtains, draperies, furniture covers, etc. 544,674, July 3; Serial No. 571,472. Class 42.

Video Associates: *See*—
Fairbairn, Thomas E.

Virginia Woolen Company: *See*—
Terhune Yearance & Wolff, Inc.

Vogue-Tuft Corp., Dalton, Ga., and New York, N. Y. Chenille cotton products. 544,691, July 3; Serial No. 587,607. Class 42.

Wahl Products, Incorporated, Eau Claire, Wis. Minnow buckets, fishing rods, and tackle boxes. 544,540, July 3; Serial No. 587,097, published Mar. 27, 1951. Class 22.

Wakmann Watch Company, Inc., New York, N. Y. Watches, watch cases and parts thereof. 544,684, July 3; Serial No. 582,113. Class 27.

Waldron, B. R., & Sons Company, Califon, N. J. Fluid milk. 544,499, July 3; Serial No. 566,372, published Mar. 20, 1951. Class 46.

Wall Pine Export Inc., New York, N. Y. Fabrics. 544,516, July 3; Serial No. 578,427, published Apr. 10, 1951. Class 42.

Warp Brothers: *See*—
Warp, Harold.

Warp, Harold, doing business as Warp Brothers, by Flex-O-Glass, Inc., Chicago, Ill. Impregnated fabric used as a substitute for windows, and for weatherproofing. 356,394. Apr. 26, 1938. Republished July 3. Class 50.

Warp, Harold, doing business as Flex-O-Glass Manufacturing Company, by Flex-O-Glass, Inc., Chicago, Ill. Transparent, waterproof cloth for covering tents, storm doors, windows, etc. 378,101. May 28, 1940. Republished July 3. Class 42.

Warp, Harold, doing business as Flex-O-Glass Manufacturing Co. and as Warp Brothers, by Flex-O-Glass, Inc., Chicago, Ill. Transparent and translucent sheet materials. 398,758–9, Nov. 24, 1942. Republished July 3. Class 50.

Warp, Harold, doing business as Flex-O-Glass Manufacturing Co. and Warp Brothers, by Flex-O-Glass, Inc., Chicago, Ill. Flexible, translucent, and transparent materials. 401,404, May 18, 1943. Republished July 3. Class 50.

Warp, Harold, doing business as Flex-O-Glass Manufacturing Co., and Warp Brothers, by Flex-O-Glass, Inc., Chicago, Ill. Relatively thin, flexible, translucent and transparent sheet materials. 416,803, Oct. 2, 1945. Republished July 3. Class 50.

Warp, Harold, doing business as Flex-O-Glass Manufacturing Co. and as Warp Brothers, by Flex-O-Glass, Inc., Chicago, Ill. Woven, reticular, mesh netting and screening. 422,909, Aug. 20, 1946. Republished July 3. Class 13.

Welmaid Products, Inc., Chicago, Ill. Ironing table pads and covers. 544,641. July 3; Serial No. 607,834, published Apr. 3, 1951. Class 24.

Western Newell Mfg. Co., Freeport, Ill. Curtain rods and supporting brackets. 544,704, July 3; Serial No. 607,274. Class 13.

Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind. Radio program broadcasting services. 544,646, July 3; Serial No. 565,395, published Apr. 3, 1951. Class 104.
Wilbar's, Inc. Boston, Mass. Ladies' shoes. 544,698, July 3; Serial No. 595,023. Class 39.
Wocher, H. M., & Son, Company, Philadelphia, Pa. Ready-mixed paints, paint-enamels, lacquers, etc. 544,514, July 3; Serial No. 576,604, published Mar. 27, 1951. Class 16.
Wood's, T. B., Sons Company, Chambersburg, Pa. Power-transmission appliances. 200,831, July 14, 1925. Republished July 3. Class 23.
Wood's, T. B., Sons Company, Chambersburg, Pa. Power transmission appliances. 211,693, Apr. 20, 1926. Republished July 3. Class 23.
Young Knitting Mills Co., Inc., Glendale, N. Y. Men's, women's, boys', girls' and infants' sweaters, dresses, and jackets. 544,544, July 3; Serial No. 588,072, published Apr. 3, 1951. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Live baby chicks. Gibson Quality Hatcheries, Inc. 544,558, July 3; Serial No. 590,933, published Apr. 3, 1951.
Rubber compound, Synthetic. The Dayton Rubber Company. 544,557, July 3; Serial No. 590,888, published Apr. 3, 1951.
Seed. Kellogg Seed Company. 284,354, renewed June 23, 1951. O. G. July 3.

CLASS 2

Staves and heads of barrels, casks, hogsheads, etc. James H. Hamlen & Son. 36,687, re-renewed July 2, 1951. O. G. July 3.

CLASS 3

Billfolds. Buxton, Incorporated. 544,695, July 3; Serial No. 593,294.
Cases, Brief, overnight cases, suit cases, etc. Rexbilt Leather Goods Corp. 544,694, July 3; Serial No. 590,852.
Cases, Toilet, brief cases, zipper envelopes, etc. Charles Doppelt & Company, Inc. 544,665, July 3; Serial No. 556,504.
Handbags, Ladies'. Coblentz Bag Company, Inc. 544,686–7, July 3; Serial Nos. 584,265–6.
Key pouches, key cases or containers. Kaye-Meyers, Inc. 544,655, July 3; Serial No. 523,682.
Luggage, Men's leather. A. Boretz. 544,675, July 3; Serial No. 574,012.

CLASS 4

Abrasive, Liquid. Opti-Clens and Specialties Company. 544,676, July 3; Serial No. 574,373.
Cleaner, All purpose, chemically treated polishing cloths, denture cleaner, etc. The Fuller Brush Company. 544,659, July 3; Serial No. 548,955.
Polishing wheels. J. Reinherz. 544,530, July 3; Serial No. 582,861, published Apr. 10, 1951.

CLASS 5

Adhesive cement, Latex type of mastic. Chicago Mastic Company. 544,602, July 3; Serial No. 598,353, published Apr. 3, 1951.
Adhesive paste and mucilage. A. W. Collier. 282,219. Apr. 14, 1931. Republished July 3.
Adhesives, etc., Nitro-cellulose. Imperial Chemical Industries Limited. 544,584, July 3; Serial No. 594,777, published Apr. 3, 1951.

CLASS 6

Acid/alkali-proof coating. Service Industries. 544,629, July 3; Serial No. 600,229, published Apr. 10, 1951.
Aluminum salts. Monsanto Chemical Company. 544,622, July 3; Serial No. 599,771, published Apr. 10, 1951.
Artificial and synthetic chemical compositions, natural and synthetic essential oils, etc. Firmenich & Co. 544,572–6, July 3; Serial Nos. 594,033–7, published Apr. 10, 1951.
Artificial and synthetic compositions, natural and synthetic essential oils, etc. Firmenich & Co. 544,571, July 3; Serial No. 594,030, published Apr. 10, 1951.
Calcium carbid. Union Carbide Company. 83,615, re-renewed Sept. 26, 1951. O. G. July 3.
Chemical composition. The Roxborough Company. 544,617–8, July 3; Serial Nos. 599,591–2, published Apr. 10, 1951.
Chemical preparation. Universal Western Chemical Corp. 544,582, July 3; Serial No. 594,737, published Apr. 10, 1951.
Chemical preparations. The Chemical Corporation. 544,579, July 3; Serial No. 594,420, published Apr. 10, 1951.
Chemical rustproofing material. The Stop Rust Company. 544,652, July 3; Serial No. 510,548.
Compound of di sodium salt of ethylene diamine tetra acetic acid and compounds. Bersworth Chemical Company. 544,594, July 3; Serial No. 596,708, published Apr. 10, 1951.
Dyestuffs; Synthetic and natural, chemicals and oils adapted for dyeing, etc. Sandoz Chemical Works, Inc. 315,685, Aug. 7, 1934. Republished July 3.
Fatty acid amine derivatives. Armour and Company. 544,628, July 3; Serial No. 600,113, published Apr. 10, 1951.
Fire extinguishing liquid. International Fire Equipment Corporation. 544,591, July 3; Serial No. 596,494, published Apr. 10, 1951.
Flux for use in manufacture of steel. Bowflux Company. 544,583, July 3; Serial No. 594,756, published Apr. 10, 1951.
Methanol antifreeze. A. S. Liebers. 544,624, July 3; Serial No. 599,954, published Apr. 10, 1951.
Organic amine compound. Charlotte Chemical Laboratories, Inc. 395,097, May 12, 1942. Republished July 3
Parasiticides, Agricultural. Stauffer Chemical Company. 544,588. July 3; Serial No. 595,687, published Apr. 10, 1951.
Plasticizer. Godfrey L. Cabot, Inc. 544,626, July 3; Serial No. 600,029, published Apr. 10, 1951.
Preparation for removing adhesive tape. Patron Chemical Corporation. 544,625, July 3; Serial No. 599,970, published Apr. 10, 1951.
Propane gas. Rural Natural Gas Co. 544,623, July 3; Serial No. 599,903, published Apr. 10, 1951.
Radiator cement. L. Peterson. 544,477, July 3; Serial No. 549,574, published Apr. 10, 1951.
Rust inhibitors. American Chemical Paint Company. 544,592–3, July 3; Serial Nos. 596,699–700, published Apr. 10, 1951.
Seed for the extermination of rodents. Hicks Laboratories, Inc. 279,079, renewed Jan. 6, 1951. O. G. July 3.
Soldering-fluxes. L. R. Benson. 83,469, re-renewed Sept. 19, 1951. O. G. July 3.
Water softener. Bu-Tay Products, Ltd. 544,580, July 3; Serial No. 594,517, published Apr. 10, 1951.

CLASS 8

Tobacco-pipes, cigar and cigarette holders. The Imperial Tobacco Company (of Great Britain and Ireland), Limited. 81,531, Apr. 18, 1911. Republished July 3.

CLASS 12

Base made up of a dry powder for a plastic wall coating or covering. Alabastine Company. 279,055, renewed Jan. 6, 1951. O. G. July 3.
Bituminous product for patching roads and driveways. Drummond & Company, Inc. 544,690, July 3; Serial No. 587,255.
Coloring material for use in and upon plaster and similar products. Alabastine Company. 278,233, renewed Dec. 9, 1950. O. G. July 3.
Construction materials. American Reenforced Paper Company. 544,494, July 3; Serial No. 563,987, published Apr. 10, 1951.
Flooring, Open-type. G. J. Bostrom. 544,486, July 3; Serial No. 557,726, published Jan. 30, 1951.
Plaster, Patching. Alabastine Company. 278,232, renewed Dec. 9, 1950. O. G. July 3.

CLASS 13

Bale ties. The American Steel and Wire Company of New Jersey. 284,853, renewed July 7, 1951. O. G. July 3.
Cast-iron soil pipe. Alabama Pipe Company. 283,896, renewed June 9, 1951. O. G. July 3.
Connectors, Repair. R. H. Budde. 544,595, July 3; Serial No. 596,897, published Apr. 10, 1951.
Curtain rods and supporting brackets. Western Newell Mfg. Co. 544,704, July 3; Serial No. 607,274.
Dispensing equipment, Beverage. Nehi Corporation. 544,508–9, July 3; Serial Nos. 571,568–9, published Apr. 10, 1951.
Fence, Woven-wire. The American Steel & Wire Company of New Jersey. 81,843, re-renewed May 16, 1951. O. G. July 3.
Nursery seats, Convertible. Frazee & Russell Co. 544,495, July 3; Serial No. 564,445, published Apr. 10, 1951.
Sticks or handles for suckers. The Popsicle Corporation of the United States. 284,006, June 9, 1911. Republished July 3.
Studs, bolts, screws, etc. Cyc-Arc Limited. 544,473, July 3; Serial No. 544,552, published Apr. 10, 1951.
Unions for welded and threaded connections. Bonney Forge and Tool Works. 285,462, renewed July 28, 1951. O. G. July 3.
Wall bathroom accessories. Hall-Mack Company. 544,668, July 3; Serial No. 563,047.
Welding unions. Bonney Forge and Tool Works. 283,140, renewed May 19, 1951. O. G. July 3.
Woven, rectilular, mesh netting and screening. H. Warp. 522,909, Aug. 20, 1946. Republished July 3.

CLASS 15

Kerosene, gasoline, naphtha, etc. Macmillan Petroleum Products Company. 249,592, Nov. 20, 1948. Republished July 3.
Oils and greases, Lubricating. The Penzoil Company. 284,306, renewed June 23, 1951. O. G. July 3.

CLASS 16

Chemical composition for use as a paint and varnish remover, Liquid. Pierce & Stevens, Inc. 544,550, July 3; Serial No. 589,273, published Mar. 27, 1951.
Paint. Seidlitz Paint & Varnish Company. 544,601, July 3; Serial No. 598,326, published Mar. 27, 1951.
Paint enamels, Industrial. The Morgan Company. 286,562, renewed Sept. 1, 1951. O. G. July 3.
Paint, Ready-mixed gloss. F. O. Pierce Company. 544,585, July 3; Serial No. 595,090, published Mar. 27, 1951.
Paint, Ready-mixed metallic. Carsolite Corporation. 544,463, July 3; Serial No. 520,549, published Apr. 3, 1951.
Paint, Water, and colors. The Muralo Company, Inc. 544,475, July 3; Serial No. 546,314, published Mar. 27, 1951.
Paints, floor, wall and masonry paints, structural steel paint, etc. No-Flame Chemical Corporation. 544,666, July 3; Serial No. 558,237.
Paints, Protective ready mixed. The Morgan Company. 286,563, renewed Sept. 1, 1951. O. G. July 3.
Paints, Ready mixed. Sapolin Paints Inc. 544,696, July 3; Serial No. 593,892.
Paints, Ready-mixed, paint-enamels, lacquers, etc. H. M. Wocher & Son Company. 544,514, July 3; Serial No. 576,604, published Mar. 27, 1951.
Paints, Synthetic rubber emulsion. National Chemical & Manufacturing Company. 544,599, July 3; Serial No. 597,972, published Mar. 27, 1951.
Paints, Waterproof marking. Tri-Chem Corporation. 544,534, July 3; Serial No. 584,558, published Mar. 27, 1951.
Painter's size. Alabastine Company. 278,163, renewed Dec. 9, 1950. O. G. July 3.
Varnish, Clear. Seidlitz Paint & Varnish Co. 544,468, July 3; Serial No. 536,151, published Apr. 3, 1951.
Zinc oxide for use in paints and in ingredients thereof. The New Jersey Zinc Company. 544,503, July 3; Serial No. 568,269, published Mar. 27, 1951.

CLASS 18

Cough syrup. Smith Brothers, Inc. 283,770, renewed June 9, 1951. O. G. July 3.
Cream for relief of foot ailments, etc. Red-O-Lent Products Company. 281,827, renewed Mar. 31, 1951. O. G. July 3.
Insecticides, germicides, and fungicides. California Spray Chemical Co. 281,810, renewed Mar. 31, 1951. O. G. July 3.
Preparation for the relief of menstrual pain and discomfort. Bendiner & Schlesinger, Inc. 283,341, May 26, 1931. Republished July 3.
Remedies, Internal. W. D. Duncan. 36,131, re-renewed Mar. 26, 1951. O. G. July 3.

CLASS 19

Automobile structural parts and accessories. Sears, Roebuck and Co. 544,488, July 3; Serial No. 558,752, published Apr. 3, 1951.
Mobile earth-moving machinery. The Euclid Crane & Hoist Company. 282,468, renewed Apr. 21, 1951. O. G. July 3.

CLASS 21

Anode rods, cast and extruded alloy bars, etc. The Cleveland Heater Company. 544,469, July 3; Serial No. 537,985, published Apr. 3, 1951.
Antennae and parts thereof. T. E. Fairbairn. 544,612, July 3; Serial No. 599,426, published Apr. 10, 1951.
Automotive, radio, and appliance wires, Electric. American Electric Cable Co. 544,596, July 3; Serial No. 596,969, published Apr. 10, 1951.
Batteries or accumulators, Secondary or storage, their parts, and accessories. The Electric Storage Battery Company. 36,186, re-renewed Apr. 2, 1951. O. G. July 3.
Batteries, Storage. Reading Batteries, Inc. 544,616, July 3; Serial No. 599,584, published Apr. 10, 1951.
Battery chargers, Regular, fast and trickle storage, storage battery booster chargers, etc. Jordan Electrical Manufacturing Company. 544,498, July 3; Serial No. 566,234, published Apr. 10, 1951.
Battery separators and retainers, Microporous storage. The Electric Storage Battery Company. 544,568, July 3; Serial No. 593,588, published Apr. 10, 1951.
Coffee grinders, Electric, electric food stirring and mixing devices, etc. Van der Heem N. V. 544,484, July 3; Serial No. 556,039, published Apr. 10, 1951.
Coils, Form wound. H. C. McCullough. 544,581, July 3; Serial No. 594,559, published Apr. 10, 1951.
Display and advertising signs, Electrical. McMath-Axlrod Corporation. 544,630, July 3; Serial No. 600,298, published Apr. 10, 1951.
Electrical apparatus. Manning, Maxwell & Moore, Incorporated. 544,462, July 3; Serial No. 520,514, published July 18, 1950.
Electrical household appliances. Van der Heem N. V. 544,483, July 3; Serial No. 556,038, published Apr. 10, 1951.
Fans, Electric, electric heater fans, and parts thereof. The O. A. Sutton Corporation, Inc. 544,548, July 3; Serial No. 588,714, published Apr. 10, 1951.
Flatirons, Electric. General Mills, Inc. 544,608, July 3; Serial No. 599,237, published Apr. 10, 1951.
Garbage disposal units, Electrically operated domestic. National Rubber Machinery Company. 544,634, July 3; Serial No. 600,906, published Apr. 10, 1951.
Generators, Electric, and electric motors. Ampex Electric Corporation. 544,481, July 3; Serial No. 554,000, published Oct. 4, 1949.
Heaters, Electric water. United States Radiator Corporation. 544,637, July 3; Serial No. 601,177, published Apr. 10, 1951.
Irons, Electric soldering, electric motors, etc. Sears, Roebuck and Co. 544,504, July 3; Serial No. 570,517, published Apr. 3, 1951.
Lamp shades, Electric. Harvey Lamps, Inc. 544,519, July 3; Serial No. 578,690, published Apr. 3, 1951.
Lamp shades for electric lamps. Egyptian Sales Co. 544,491, July 3; Serial No. 560,687, published Apr. 10, 1951.
Lamps, Electric. Hollandia Toy & Furniture Co., Inc. 544,526, July 3; Serial No. 581,557, published Apr. 10, 1951.
Lamps, Electrical table and wall. Hungerford Plastics Corporation. 544,545, July 3; Serial No. 588,090, published Apr. 10, 1951.
Lanterns, Portable flashlight. Justrite Manufacturing Company. 544,535, July 3; Serial No. 585,533, published Apr. 10, 1951.
Magnesium rods. Bastian Morley Co. Inc. 544,482, July 3; Serial No. 554,585, published Apr. 10, 1951.
Non-electric permanent magnetic separators. Eriez Manufacturing Company. 544,489, July 3; Serial No. 559,913, published June 27, 1950.
Protectors for electric circuits. McGraw Electric Company. 544,541, July 3; Serial No. 587,899, published Apr. 3, 1951.
Protectors for electric circuits. McGraw Electric Company. 544,543, July 3; Seriti No. 587,963, published Apr. 3, 1951.
Rail Bonds. The American Steel and Wire Company of New Jersey. 280,127, renewed Feb. 10, 1951. O. G. July 3.
Recording tape, Sound. Minnesota Mining & Manufacturing Company. 544,478, July 3; Serial No. 551,126, published Apr. 3, 1951.
Shades for electric lamps. Rembrandt Lamp Corporation. 544,554, July 3; Serial No. 590,283, published Apr. 10, 1951.
Shades for electric lamps. Spun-Glo Products Co. 544,553, July 3; Serial No. 589,601, published Apr. 10, 1951.
Splicers, connectors, couplings, and clamps, etc. BullDog Electric Products Company. 544,476, July 3; Serial No. 549,226, published Apr. 10, 1951.
Switches, electric, meter troughs, etc. Federal Electric Products Company. 544,621, July 3; Serial No. 599,701, published Apr. 10, 1951.
Switches, Safety. Metropolitan Electric Mfg. Co. 544,689, July 3; Serial No. 585,804.
Tape and sheets for electrical insulation, Varnished and unvarnished cambric. Electric Insulation Company. 544,547, July 3; Serial No. 588,429, published Apr. 10, 1951.
Television receiving sets. Scott Radio Laboratories, Inc. 544,640, July 3; Serial No. 603,463, published Apr. 3, 1951.
Vacuum cleaners, Electric domestic. A. Morguloff. 541,879, May 1, 1951. Corrected. O. G. July 3.
Vacuum cleaners, Electric, electric floor polishers, electric fans, etc. Van der Heem N. V. 544,485, July 3; Serial No. 556,040, published Apr. 10, 1951.
Wire connectors. W. N. Matthews Corporation. 544,466, July 3; Serial No. 527,142, published Oct. 31, 1950.

CLASS 22

Balls, Pocket-billiard. The Brunswick-Balke-Collender Company. 281,138, renewed Mar. 10, 1951. O. G. July 3.
Bowling pins. The Brunswick-Balke-Collender Company. 282,899, renewed May 5, 1951. O. G. July 3.
Children's Feeding device. D. C. Trager. 544,517, July 3; Serial No. 578,467, published Mar. 27, 1951.
Dolls. Ideal Novelty & Toy Co. 544,632, July 3; Serial No. 600,489, published Apr. 10, 1951.
Fishing rod blanks. Pacific Laminates. 544,598, July 3; Serial No. 597,776, published Mar. 27, 1951.
Fishing tackle. The Paul Bunyan Bait Company. 544,511, July 3; Serial No. 574,890, published Mar. 27, 1951.
Fishing tackle. The Paul Bunyan Bait Company. 544,512, July 3; Serial No. 574,893, published Mar. 27, 1951.
Fishing tackle. South Bend Bait Company. 544,631, July 3; Serial No. 600,399, published Apr. 10, 1951.

Footballs, basketballs, soccer balls, etc. Thorp Sporting Goods, Inc. 544,520, July 3; Serial No. 579,572, published Mar. 27, 1951.
Minnow buckets, fishing rods, and tackle boxes. Wahl Products, Incorporated. 544,540, July 3; Serial No. 587,097, published Mar. 27, 1951.
Playing cards. The United States Playing Card Company. 544,609, July 3; Serial No. 599,350, published Apr. 10, 1951.
Playing cards. The United States Playing Card Company. 544,610, July 3; Serial No. 599,353, published Apr. 10, 1951.
Puppets. The Muffin Syndicate. 544,505, July 3; Serial No. 571,102, published Mar. 27, 1951.
Skates, Roller. D. P. Harris Hardware & Manufacturing Co., Inc. 544,615, July 3; Serial No. 599,565, published Apr. 10, 1951.
Sleds. The Kalamazoo Sled Company. 544,536, July 3; Serial No. 585,848, published Mar. 27, 1951.

CLASS 23

Bushings, Bronze and brass, copper hammer heads, etc. Chase Brass & Copper Co. Incorporated. 397,446, Sept. 8, 1942. Republished July 3.
Cylinder heads, manifolds, axle shafts, etc. Balkamp Manufacturing Corporation. 345,825, May 11, 1937. Republished July 3.
Power-transmission appliances. T. B. Wood's Sons Company. 200,831, July 14, 1925. Republished July 3.
Power transmission appliances. T. B. Wood's Sons Company. 211,693, Apr. 20, 1926. Republished July 3.
Saws. Markt & Hammacher Company. 83,503, re-renewed Sept. 19, 1951. O. G. July 3.
Twist, mining, rock-boring, and wood-boring drills, etc. Henry Rossell & Co. Ltd. 77,730, re-renewed May 3, 1950. O. G. July 3.

CLASS 24

Button protector and/or like pad for use in laundering, etc. Manitowoc Cotton Goods Mfg. Co. 544,524, July 3; Serial No. 580,935, published Mar. 27, 1951.
Clothes drying racks, Metal. Union Steel Products Company. 544,527, July 3; Serial No. 581,630, published Mar. 27, 1951.
Clothespins. The Diamond Match Company. 544,642, July 3; Serial No. 608,923, published Apr. 3, 1951.
Ironing table pads and covers. Welmaid Products, Inc. 544,641, July 3; Serial No. 607,834, published Apr. 3, 1951.

CLASS 26

Color mixing apparatus. Sewall Paint & Varnish Company. 285,997, renewed Aug. 11, 1951. O. G. July 3.
Rifle scope sights. J. V. Serio. 544,701, July 3; Serial No. 599,536.
Temperature-controlled valves. Minneapolis-Honeywell Regulator Company. 282,192, renewed Apr. 14, 1951. O. G. July 3.
Temperature indicating devices. Jabez Burns & Sons, Inc. 286,781, renewed Sept. 1, 1951. O. G. July 3.

CLASS 27

Watch dials. Hamilton Watch Company. 266,752, renewed Feb. 4, 1950. O. G. July 3.
Watches, watch cases and parts thereof. Wakmann Watch Company, Inc. 544,684, July 3; Serial No. 582,113.

CLASS 28

Keys and badges. Phi Lambda Upsilon. 285,724, renewed Aug. 4, 1951. O. G. July 3.
Precious, synthetic, and imitation stones. J. L. Levere. 544,660, July 3; Serial No. 551,285.

CLASS 29

Brushes, Paint. The Paraffine Companies, Inc. 285,544, renewed July 28, 1951. O. G. July 3.

CLASS 30

Crockery and dishes. The Buckley, Newhall Company. 281,853-4, renewed Mar. 31, 1951. O. G. July 3.

CLASS 31

Air cooling coils. Bell & Gossett Company. 544,672, July 3; Serial No. 569,595.

CLASS 32

Chairs, Office. Art Metal Construction Company. 544,677, July 3; Serial No. 574,946.
Chairs, tables, desks, etc. The Buckley-Newhall Company. 81,671, re-renewed May 2, 1951. O. G. July 3.
Filing device. Ac o Products, Inc. 285,397, renewed July 28, 1951. O. G. July 3.
Furniture, Bedroom, dining room furniture. Morris Furniture Mfg. Co., Inc. 544,697, July 3; Serial No. 594,057.
Mattresses and box springs. R. C. Evans. 544,679, July 3; Serial No. 578,382.
Mechanism for alternatively securing a platform lounge chair at any of several predetermined angles. The Seng Company. 544,688, July 3; Serial No. 584,350.
Tables, desks and flower stands. Table Corporation of America. 544,685, July 3; Serial No. 582,253.
Venetian blinds. Clifton Manufacturing Company. 544,651, July 3; Serial No. 497,456.

CLASS 33

Glassware. Imperial Glass Corporation. 544,479, July 3; Serial No. 552,785, published Apr. 10, 1951.
Glassware. R. Lalique et Cie. S. R. L. 544,587, July 3; Serial No. 595,559, published Apr. 10, 1951.

CLASS 34

Boilers, air heating furnaces, and oil burners. American Radiator & Standard Sanitary Corporation. 544,635-6, July 3; Serial Nos. 601,087-8, published Mar. 27, 1951.
Boilers, Low pressure domestic heating. The United Tool and Die Company. 544,528, July 3; Serial No. 581,693, published Apr. 10, 1951.
Cooking and barbecue machines. J. S. Francks. 544,537, July 3; Serial No. 586,478, published Apr. 10, 1951.
Furnaces, etc., Gas, oil, or coal hot air. Carrier Corporation. 544,551, July 3; Serial No. 589,427, published Apr. 10, 1951.
Heaters, Oil burning space, gas burning space heaters, oil burning basement and floor furnaces, etc. Motor Wheel Corporation. 544,633, July 3; Serial No. 600,904, published Apr. 3, 1951.
Incinerators. Schwab Furnace Co. 544,638, July 3; Serial No. 601,337, published Mar. 27, 1951.

CLASS 35

Packing. The Darcold Company, Inc. 282,168, renewed Apr. 14, 1951. O. G. July 3.

CLASS 37

Lead-pencils and rubber erasers. E. Faber. 83,564, re-renewed Sept. 26, 1951. O. G. July 3.
Paper, Sulphite tag. Riegel Paper Corporation. 282,730, renewed Apr. 28, 1951. O. G. July 3.
Paper, Waxed. The Menasha Products Company. 279,411, renewed Jan. 13, 1951. O. G. July 3.

CLASS 38

Advertising, Prepared. J. A. Bell, Jr. 544,562, July 3; Serial No. 592,185, published Apr. 10, 1951.
Advertising supplement. Marshall Field & Company. 544,620, July 3; Serial No. 599,629, published Mar. 27, 1951.
Booklets, pamphlets, circulars, etc. The American Heritage Foundation. 544,490, July 3; Serial No. 560,083, published Mar. 20, 1951.
Books. Bantam Books, Inc. 544,619, July 3; Serial No. 599,608, published Mar. 27, 1951.
Books. T. J. Mahon. 544,606, July 3; Serial No. 598,917, published Apr. 10, 1951.
Charts, Sliding. Crosley Broadcasting Corporation. 544,590, July 3; Serial No. 596,331, published Apr. 3, 1951.
Column of a periodical or house organ. Carrier Corporation. 544,546, July 3; Serial No. 588,272, published Apr. 10, 1951.
Columns, features and articles. L. H. Joachim. 544,627, July 3; Serial No. 600,059, published Mar. 27, 1951.
Greeting cards. Messenger Corporation. 544,552, July 3; Serial No. 589,587, published Mar. 27, 1951.
Newspapers. The Afro-American Company of Baltimore City. 544,605, July 3; Serial No. 598,774, published Apr. 10, 1951.
Periodical, Weekly, and prepared advertising. Clover Farm Stores Corporation. 544,563, July 3; Serial No. 592,982, published Mar. 20, 1951.
Periodicals, Magazine. Fisher-Price Toys, Inc. 544,474, July 3; Serial No. 545,115, published Mar. 27, 1951.
Publication. Burnham Corporation. 544,611, July 3; Serial No. 599,363, published Mar. 27, 1951.
Publication column, Periodical. Industrial Medicine Publishing Company. 544,465, July 3; Serial No. 526,344, published Mar. 27, 1951.
Publication, Trade. Honan-Crane Corporation. 544,464, July 3; Serial No. 520,560, published Apr. 10, 1951.
Reproductions of well logs. J. M. Riley. 544,522, July 3; Serial No. 579,892, published Apr. 10, 1951.
Section in a periodical publication. Modern Packaging Corp. 544,603, July 3; Serial No. 598,742, published Apr. 10, 1951.
Writings or short poems, Original. R. V. Bennett. 544,515, July 3; Serial No. 577,652, published Mar. 27, 1951.

CLASS 39

Boots and shoes, Men's and women's cloth and leather. The Florsheim Shoe Company. 544,699-700, July 3; Serial Nos. 596,659-60.
Clothing, Men's. Kresge Department Store Corporation. 285,433, renewed July 28, 1951. O. G. July 3.
Coat linings, Ladies' and misses' detachable, and ladies' and misses' coats. Sportowne Coat Co., Inc. 544,654, July 3; Serial No. 520,909.
Coats, suits, jackets, etc., Ladies' and misses'. Morris W. Haft & Brothers Inc. 425,726, Dec. 3, 1946. Republished July 3.

Coats, vests, pants, etc. Fashion Park Associates, Inc. 286,284, renewed Aug. 25, 1951. O. G. July 3.
Coats, vests, pants, etc. Fashion Park Associates, Inc. 286,552, renewed Sept. 1, 1951. O. G. July 3.
Coats, vests, pants, etc. Fashion Park Associates, Inc. 286,842, renewed Sept. 8, 1951. O. G. July 3.
Corsets, brassières, and girdles. Kops Bros., Inc. 281,939, renewed Aug. 7, 1951. O. G. July 3.
Dungarees, Ladies', girls' and kiddies' (girls). Blue Bell, Inc. 544,681, July 3; Serial No. 579,658.
Garments, Ladies' outer. Morris W. Haft & Bros. Inc. 177,554, Dec. 18, 1923. Republished July 3.
Gloves, Leather. Buscarlet Glove Company, Inc. 544,658, July 3; Serial No. 542,254.
Hosiery for women and girls. Northmont Hosiery Corporation. 544,692, July 3; Serial No. 588,510.
Hosiery, Ladies' and misses'. Hess-Taylor Company, Inc. 544,542, July 3; Serial No. 587,949, published Apr. 3, 1951.
Neck-ties. P. Greinetz. 544,653, July 3; Serial No. 520,389.
Overalls. Alexander Bros. Company. 83,537, re-renewed Sept. 26, 1951. O. G. July 3.
Overalls. Men's and boys'. Carwood Manufacturing Company. 440,687, Sept. 21, 1948. Republished July 3.
Pajamas, slacks, trousers and outer shirts and under shirts, Men's. R. W. Hart. 544,492, July 3; Serial No. 562,037, published Feb. 14, 1950.
Shoes, Ladies'. Wilbar's, Inc. 544,698, July 3; Serial No. 595,023.
Shoes, robes, dresses, etc., Children's and infants'. Rice-Stix Dry Goods Company. 544,662, July 3; Serial No. 533,310.
Shorts for men, Under. Cluett, Peabody & Co., Inc. 544,614, July 3; Serial No. 599,497, published Apr. 3, 1951.
Slips, gloves, hosiery, etc., Women's, misses', and children's. Van Raalte Company, Inc. 544,657, July 3; Serial No. 533,374.
Sportswear. Carwood Manufacturing Company. 440,916, Oct. 12, 1948. Republished July 3.
Suits, Ladies'. Tailored Trend, Inc. 544,663, July 3; Serial No. 554,926.
Suits, topcoats, overcoats, etc., Men's. J. V. Cohn. 544,693, July 3; Serial No. 589,150.
Sweaters, dresses, and jackets, Men's, women's, boys', girls' and infants'. Young Knitting Mills Co., Inc. 544,544, July 3; Serial No. 588,072, published Apr. 3, 1951.
Sweaters, hats, caps, etc. Fashion Park Associates, Inc. 285,901, renewed Aug. 11, 1951. O. G. July 3.
Sweaters; Ladies', misses', children's, infants' and juniors', and knitted pantie suits for infants and children. Spur Knitting Mills Inc. 544,471, July 3; Serial No. 542,361, published Apr. 3, 1951.
Underwear, Men's. L. Bamberger & Co. 284,304, renewed June 23, 1951. O. G. July 3.
Work pants, work shirts, overalls, etc., Men's and boys'. Carwood Manufacturing Company. 428,166, Mar. 11, 1947. Republished July 3.

CLASS 42

Bagging, Burlap. American-National Bag & Burlap Co., Inc. 544,661, July 3; Serial No. 551,509.
Carpets, Wool face hair back felt. Sears, Roebuck and Co. 544,683, July 3; Serial No. 581,029.
Chenille cotton products. Vogue-Tuft Corp. 544,691, July 3; Serial No. 587,607.
Cloth for covering tents, storm doors, windows, etc., Transparent, waterproof. H. Warp. 378,101, May 28, 1940. Republished July 3.
Fabrics, Wall Pine Export Inc. 544,516, July 3; Serial No. 578,427, published Apr. 10, 1951.
Fabrics, Cotton. Goldfarb Bros. 544,671, July 3; Serial No. 566,131.
Fabrics in the piece, Woolen. Terhune Yearance & Wolff. Inc. 287,088, renewed Sept. 15, 1951. O. G. July 3.
Fabrics, Woven. S. Stroock & Co. Inc. 544,513, July 3; Serial No. 575,944, published Apr. 10, 1951.
Oiled cloth for covering tents, porches, storm doors, etc., Transparent, waterproof. Flex-O-Glass Manufacturing Company. 206,256, Nov. 24, 1925. Republished July 3.
Piece goods, Cotton. Sea Island Mills, Incorporated. 544,639, July 3; Serial No. 601,949; published Apr. 10, 1951.
Piece goods, Woolen. C. M. De Land. 284,547, renewed July 7, 1951. O. G. July 3.
Plastic films for making into shower curtains, draperies, furniture covers, etc., Decorated and printed. Velveray Corporation. 544,674, July 3; Serial No. 571,472.
Table-cloths, napkins, doilies, etc. Felix Tausend & Sons. 544,589, July 3; Serial No. 595,991, published Apr. 10, 1951.
Towels and piece goods. Boott Mills. 544,461, July 3; Serial No. 502,942, published Apr. 3, 1951.
Voiles. T. A. Harris. 81,704, re-renewed May 2, 1951. O. G. July 3.
Wash cloths, Textile. Thomas F. Byrne Corporation. 286,859, renewed Sept. 8, 1951. O. G. July 3.

CLASS 44

Dental, medical, and surgical appliances. Ritter Company, Inc. 544,533, July 3; Serial No. 584,014, published Apr. 3, 1951.
Dental mirrors. S. F. Lundgren. 544,539, July 3; Serial No. 591,096, published Apr. 3, 1951.
Electrocardiograph. Cambridge Instrument Company, Inc. 544,523, July 3; Serial No. 580,183, published Apr. 3, 1951.
Electrocardiographs. Electro-Physical Laboratories, Inc. 544,567, July 3; Serial No. 593,268, published Apr. 10, 1951.
Hearing aid receiver cords and hearing aid receiver cord checkers. Hal-Hen Company. 544,555, July 3; Serial No. 590,363, published Apr. 3, 1951.
Kit for use in home permanent wave. Commercial Laboratories, Inc. 544,600, July 3; Serial No. 598,161, published Apr. 3, 1951.
Otoscopes and components thereof. American Cystoscope Makers, Inc. 544,586, July 3; Serial No. 595,296, published Apr. 3, 1951.
Sterile applicators, Individually packaged. S. Van Boytham. 544,521, July 3; Serial No. 579,732, published Apr. 3, 1951.
Syringes, Fountain and douche. The Marvel Company. 287,075, renewed Sept. 15, 1951. O. G. July 3.
Wheel chairs, Invalid folding. Gendron Wheel Company. 544,577, July 3; Serial No. 594,116, published Apr. 3, 1951.

CLASS 46

Apples, Concentrated. Orpro Food Products Company, Inc. 544,497, July 3; Serial No. 564,783, published Apr. 3, 1951.
Beef, Jellied cooked ham, bacon, etc. Crocker Packing Company. 544,500, July 3; Serial No. 566,503, published Feb. 6, 1951.
Biscuits and crackers. Peek, Frean & Company Limited. 281,775, renewed Mar. 31, 1951. O. G. July 3.
Candies. Life Savers Corporation. 544,702-3, July 3; Serial Nos. 604,727-8.
Candy. E. J. Brach & Sons. 544,570, July 3; Serial No. 593,968, published Jan. 23, 1951.
Candy. Norris Inc. 544,578, July 3; Serial No. 594,141, published Mar. 13, 1951.
Canned crab meat. Safeway Stores, Incorporated. 544,501, July 3; Serial No. 567,038, published Apr. 3, 1951.
Canned fish. Safeway Stores, Incorporated. 544,502, July 3; Serial No. 567,044, published Apr. 3, 1951.
Canned fruit juices and canned grapefruit sections. Peters Sales Company, Inc. 544,566, July 3; Serial No. 593,238, published Jan. 23, 1951.
Canned fruits, canned vegetables, canned fish, etc. Balfour, Guthrie & Company. 277,217, renewed Nov. 11, 1950. O. G. July 3.
Canned sardines. Chr. Bjelland & Co., Inc. 102,030, Jan. 26, 1915. Republished July 3.
Canned sardines. M. A. Rex. 239,151, Feb. 21, 1928. Republished July 3.
Canned vegetables. Harrison & Jarboe. 544,538-9, July 3; Serial Nos. 587,027-8, published Mar. 20, 1951.
Cheese. The Belleville Cheddar Cheese Ltd. 544,529, July 3; Serial No. 582,265, published Jan. 23, 1951.
Cheese. Frigo Brothers Cheese Corporation. 544,667, July 3; Serial No. 558,645.
Chewing gum. Gumakers of America, Inc. 544,506, July 3; Serial No. 571,428, published Mar. 20, 1951.
Chewing gum. Gumakers of America, Inc. 544,507, July 3; Serial No. 571,429, published Mar. 13, 1951.
Citrus pulp, Dried. Suni-Citrus Products Company. 544,656, July 3; Serial No. 530,783.
Coffee. Rohrmoser, Esquivel & Co. 284,685, renewed July 7, 1951. O. G. July 3.
Cookies, cakes, and crackers. J. S. Ivins' Son, Inc. 285,540, renewed July 28, 1951. O. G. July 3.
Extract of predigested beef, milk, and wheat. The Arlington Chemical Co. 82,195, re-renewed June 13, 1951. O. G. July 3.
Flour, Wheat. The Colorado Milling & Elevator Co. 544,480, July 3; Serial No. 553,167, published Feb. 6, 1951.
Food-coloring preparation. Cerebos Limited. 81,782, May 9, 1911. Republished July 3.
Food, Fish. Processed Trout Foods, Inc. 544,532, July 3; Serial No. 583,774, published Mar. 13, 1951.
Fruit, Fresh. Cron & Dehn, Inc. 244,005, July 3, 1928. Republished July 3.
Fruits, Fresh citrus. L. Maxcy, Inc. 278,770, renewed Dec. 30, 1950. O. G. July 3.
Fruits, Fresh citrus. Mupu Citrus Association. 544,682, July 3; Serial No. 580,088.
Fruits, Fresh citrus. Strathmore Packing House Co. 544,510, July 3; Serial No. 572,700, published Mar. 13, 1951.
Fruits, Fresh deciduous, fresh vegetables, grapes, etc. The S. A. Gerrard Company. 544,487, July 3; Serial No. 558,132, published Apr. 10, 1951.
Fruits, Frozen. Tom Huston Peanut Company. 283,956, renewed June 9, 1951. O. G. July 3.
Ham, bacon, and pork shoulder steaks. Kingan & Co. Incorporated. 544,493, July 3; Serial No. 562,068, published Apr. 10, 1951.
Hog carcasses and cuts thereof; bacon, fresh lamb and calves' livers, etc. Dubuque Packing Company. 544,472, July 3; Serial No. 544,069, published Jan. 30, 1951.

Lemons, grapefruit; fresh fruits. G. L. Dinjian. 242,599. May 29, 1928. Republished July 3.
Liver paste en croûte. H. V. Svendsen. 544,607, July 3; Serial No. 599,130, published Apr. 3, 1951.
Malt syrup. Seneca Food Products Corporation. 285,912, renewed Aug. 11, 1951. O. G. July 3.
Marshmallows. Paul F. Beich Co. 544,565, July 3; Serial No. 593,158, published Jan. 23, 1951.
Meat products. Chr. Bjelland & Co., Inc. 336,694, July 14, 1936. Republished July 3.
Meats and meat products. Gold Medal Packing Corporation. 544,470, July 3; Serial No. 538,119, published Mar. 13, 1951.
Milk, Fluid. B. R. Waldron & Sons Company. 544,499, July 3; Serial No. 566,372, published Mar. 20, 1951.
Molasses. The American Molasses Co. of New York. 278,589, renewed Dec. 23, 1950. O. G. July 3.
Oleomargarine, vegetable oil shortening, and cottonseed oil. Mrs. Tucker's Foods, Inc. 544,613, July 3; Serial No. 599,465, published Apr. 3, 1951.
Olive oil. A. Germano & Son. 544,678, July 3; Serial No. 578,328.
Pecans, Fresh, candied, and salted. Southern Pecan Shelling Co. 284,624, renewed July 7, 1951. O. G. July 3.
Pork link sausage, Packaged. Minit Steak Co. 544,680, July 3; Serial No. 579,610.
Potatoes. Paul D. Jones, Inc. 544,467, July 3; Serial No. 534,288, published Jan. 16, 1951.
Preparation for thickening and seasoning gravy, soup, and stews. Cerebos Limited. 81,503, Apr. 18, 1911. Republished July 3.
Pretzels. W. R. Edmondson. 544,518, July 3; Serial No. 578,682, published Apr. 10, 1951.
Product comprising the ingredients sugar, cocoa, oat flour, etc. R. B. Davis Company. 544,664, July 3; Serial No. 555,840.
Rice. Rodriguez y Compañía. 544,406, July 3; Serial No. 564,467, published Jan. 2, 1950.
Salad dressing, French dressing, Thousand Island dressing, etc. Mrs. Clark's Foods, Incorporated. 544,669–70, July 3; Serial Nos. 564,371–2.
Spices and herbs. S. Kaltman. 544,569, July 3; Serial No. 593,802, published Mar. 13, 1951.
Trout, Pickled. C. L. Schalk. 544,556, July 3; Serial No. 590,563, published Mar. 13, 1951.
Vegetables, Fresh. Emery & Kavanagh Co. 247,968. Oct. 9, 1928. Republished July 3.
Vegetables, Fresh. South Bay Growers, Inc. 544,564, July 3; Serial No. 593,022, published Jan. 30, 1951.
Wafers or crackers, Cocktail. Java Food Products, Inc. 544,525, July 3; Serial No. 580,992, published Apr. 3, 1951.

CLASS 47

Wine, Port. John Harvey & Sons, Limited. 281,798, renewed Mar. 31, 1951. O. G. July 3.

CLASS 49

Rum, Puerto Rican. J. M. McCunn. 374,215, Jan. 2, 1940. Republished July 3.
Whiskey. Glencoe Distillery Co. 293,427, Apr. 19, 1932. Republished July 3.
Whiskey. J. M. McCunn. 372,399, Oct. 31, 1939. Republished July 3.

CLASS 50

Flexible, translucent, and transparent materials. H. Warp. 401,404, May 18, 1943. Republished July 3.
Impregnated fabric used as a substitute for windows, and for weatherproofing. H. Warp. 356,394, Apr. 26, 1938. Republished July 3.
Kit containing tools, supplies and instructions for installing tile floors. David E. Kennedy, Inc. 544,597, July 3; Serial No. 597,529, published Apr. 10, 1951.
Oiled cloth for covering tents, porches, storm doors, etc., Transparent, waterproof. Flex-O-Glass Manufacturing Company. 206,256, Nov. 24, 1945. Republished July 3.
Relatively thin, flexible, translucent and transparent sheet materials. H. Warp. 416,803, Oct. 2, 1945. Republished July 3.
Transparent and translucent sheet materials. H. Warp. 398,758–9, Nov. 24, 1942. Republished July 3.

CLASS 51

Bath oil. Parfums Charbert Inc. 544,561, July 3; Serial No. 591,796, published Apr. 10, 1951.
Chemical compound for use on the hair. Perfumeria Gal., S. A. 273,095, renewed July 22, 1950. O. G. July 3.
Dentifrice in stick form. Tar-Gon Products, Inc. 544,560, July 3; Serial No. 591,208, published Feb. 20, 1951.
Powder for the toilette. Botany Mills, Inc. 544,673, July 3; Serial No. 571,318.

CLASS 52

Cleaning compound. Harkness & Company. 544,549, July 3; Serial No. 588,952, published Apr. 10, 1951.
Compound for use in cleaning fabrics. Takamine Laboratory, Inc. 544,604, July 3; Serial No. 598,763, published Apr. 3, 1951.
Detergent or washing powder, Composite. Cowles Detergent Company. 282,002, renewed Apr. 7, 1951. O. G. July 3.
Glasswashing compound. Economics Laboratory Inc. 544,531, July 3; Serial No. 583,643, published Apr. 10, 1951.
Soaps and washing powders. I. G. Farbenindustrie Aktiengesellschaft. 281,537, renewed Mar. 24, 1951. O. G. July 3.
Washing powder. Charlotte Chemical Laboratories, Inc. 394,229. Mar. 24, 1942. Republished July 3, 1951.

CLASS 100

Private detective investigations and property surveillance. Pinkerton's National Detective Agency, Inc. 539,452, Mar. 13, 1951. Corrected. O. G. July 3.

CLASS 101

Advertising the goods and services of others. Midwestern Broadcasting Company. 544,647, July 3; Serial No. 572,441, published Apr. 3, 1951.
Theatrical employment agency services. D. K. Sharp. 544,705, July 3; Serial No. 568,540.

CLASS 103

Dry cleaning services. Emery Industries, Inc. 544,650, July 3; Serial No. 598,247, published Apr. 10, 1951.
Painting the interior and exterior of buildings. S. S. Sollitt. 544,644, July 3; Serial No. 554,821, published Apr. 3, 1951.

CLASS 104

Radio program broadcasting services. Westinghouse Radio Stations, Inc. 544,646, July 3; Serial No. 565,395, published Apr. 3, 1951.

CLASS 105

Air transport of passengers and freight. American Airlines, Inc. 544,645, July 3; Serial No. 562,242, published Apr. 3, 1951.
Transportation of freight by truck. Navajo Freight Lines, Inc. 544,649, July 3; Serial No. 597,837, published Apr. 3, 1951.

CLASS 107

Entertainment services. Carter Publications, Inc. 544,648, July 3; Serial No. 586,137, published Apr. 3, 1951.
Entertainment services. C. M. Olson. 544,643, July 3; Serial No. 545,068, published Apr. 3, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Armour Research Foundation of the Illinois Institute of Technology, assignee: *See*—
Camras, Marvin, and Zenner.
Camras, Marvin, Chicago, and R. E. Zenner, Brookfield, assignors to Armour Research Foundation of the Illinois Institute of Technology, Chicago, Ill. Coupling circuit for magnetic recorders. Re. 23,383, July 3.
Carborundum Company, The, assignee: *See*—
Robie, Norman P., and Mahlman.
Compagnie des Machines Bull (Societe Anonyme), assignee: *See*—
Knutsen, Knut A.
Dungler, Julien, Basel, Switzerland. Tentering or like machine for drying cloth or other material. Re. 23,384, July 3.
Knutsen, Knut A., assignor to Compagnie des Machines Bull (Societe Anonyme), Paris, France. Recording and controlling card. Re. 23,385, July 3.
Langos, Otto A., Chicago, Ill. Self-feeding paper bursting toy gun. Re. 23,386, July 3.
Mahlman, Osborne L.: *See*—
Robie, Norman P., and Mahlman.
Robie, Norman P., Lewiston, and O. L. Mahlman, Kenmore, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive articles and manufacturing the same. Re. 23,387, July 3.
Zenner, Raymond E.: *See*—
Camras, Marvin, and Zenner.

LIST OF PLANT PATENTEES

Kellogg, R. M., Company, The, assignee: *See*—
Prushek, Emil.
Prushek, Emil, Niles, assignor to The R. M. Kellogg Company, Three Rivers, Mich. Chrysanthemum plant. 1,020, July 3.
Totty, Charles H., Company, assignee: *See*—
Verschuren, Hens A.
Verschuren, Hens A., deceased, by M. T. A. Verschuren, legal representative, Haps, Netherlands, assignor, by mesne assignments, to Charles H. Totty Company, Madison, N. J. Rose plant. 1,019, July 3.
Verschuren, Maria T. A., legal representative: *See*—
Verschuren, Hens A.

LIST OF DESIGN PATENTEES

Amigone, Joseph N., Buffalo, N. Y. Combination tool. 163,785, July 3.
Black, John M., assignor to Commonwealth Plastics, Inc., Chicago, Ill. Finial for lamps or similar articles. 163,786, July 3.
Blockert, Ernest B., and A. Marino, New York, N. Y. Foutain pen. 163,787, July 3.
Brewster, Herbert M., Glenview, Ill. Ash tray. 163,788, July 3.
Brumimel, Gordon T., Chicago, Ill. Nuthook. 163,789, July 3.
Buchanan, Maynard A., Omaha, Nebr. Mobile display stand. 163,790, July 3.
Chosy, Eugene: *See*—
King, John B., and Chosy.
Chrysler Corporation, assignee: *See*—
Scott, David E.
Cohn, Gustav, New York, N. Y. Slipper. 163,791, July 3.
Cohn, Gustav, New York, N. Y. Slipper. 163,792, July 3.
Collegiate Manufacturing Company, assignee: *See*—
Grooms, George.
Commonwealth Plastics, Inc., assignee: *See*—
Black, John M.
Creason, Ben, Forest Green, Mo. Badge. 163,793, July 3.
Dazor Manufacturing Corporation, assignee: *See*—
Mehr, Jacob A.
Defiance Manufacturing Company, Inc., assignee: *See*—
Smith, George C., and Hemsing.
Deutschmann, Walter: *See*—
Marx, Martin, and Deutschmann.
Duda, John V., Chicago, Ill. Warning sign. 163,794, July 3.
Eastman, Nikki, Port Chester, N. Y. Safety razor holder. 163,795, July 3.
Etkin, Simon, New York, N. Y. Jacket. 163,796, July 3.
Everlast Metal Products Corp., assignee: *See*—
Schnitzer, Louis M.
Fargo, Loren K., St. Paul, Minn. Combined dial and hands for a clock or similar article. 163,797, July 3.
Fargo, Loren K., St. Paul, Minn. Combined dial and hands for a clock or similar article. 163,798, July 3.
Ferrara, Philip: *See*—
Moss, Leo, and Ferrara.
Fleuridas, André, Westport, Conn., assignor to Mazer Bros., Inc. Necklace or similar article. 163,799, July 3.
Garvin, Richard H., Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 163,800, July 3.
Garvin, Richard H., Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 163,801, July 3.
Gramm Trailer Corporation, assignee: *See*—
King, John B., and Chosy.
Grooms, George, assignor to Collegiate Manufacturing Company, Ames, Iowa. Stuffed dog. 163,802, July 3.
Hazelton, John W., Toronto, Ontario, Canada. Toy candy shop. 163,803, July 3.
Hemsing, Catherine A.: *See*—
Smith, George C., and Hemsing.
Hyde, Alex, Santa Barbara, Calif. Foot disinfecting unit. 163,804, July 3.
Johnson, Robert E., Duluth, Minn. Cigarette dispenser or similar article. 163,805, July 3.
Kammerer, Harry G., assignor to Seneca Glass Company, Morgantown, W. Va. Goblet or similar article. 163,806, July 3.
Kaplan, Sholom E., Hartford, Conn. Schoolbag. 163,807, July 3.
King, John B., and E. Chosy, assignors to Gramm Trailer Corporation, Delphos, Ohio. Vehicle trailer body. 163,808, July 3.
Lehigh, Evelyn, Mamaroneck, N. Y. Baby's sleeping bag. 163,809, July 3.
Mann, Harry, Laurelton, N. Y. Bow tie. 163,810, July 3.
Marino, Anthony: *See*—
Blockert, Ernest, and Marino.
Marx, Martin, and W. Deutschmann, New York, N. Y. Display attachment for automobiles. 163,824, July 3.
Mazer Bros., Inc., assignee: *See*—
Fleuridas, André.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 163,811, July 3.
Mehr, Jacob A., assignor to Dazor Manufacturing Corporation, St. Louis, Mo. Reflector head unit for lighting fixtures. 163,812, July 3.
Moss, Leo, Forest Hills, and P. Ferrara, Brooklyn, N. Y. Table lamp. 163,813, July 3.
Murray-Ohio Manufacturing Company, The, assignee: *See*—
Schreckengost, Viktor.
National Lock Company, assignee: *See*—
Stone, Roy A.

North Shore Manufacturing Co., assignee: *See*—
Palmer, Clara A.
Onondaga Pottery Company, assignee: *See*—
Garvin, Richard H.
McKaig, Charles H.
Palmer, Clara A., assignor to North Shore Manufacturing Co., Duluth, Minn. Pram suit. 163,814, July 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 163,815, July 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 163,816, July 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 163,817, July 3.
Ramírez, Humberto V., Mexico City, Mexico. Airplane. 163,818, July 3.
Risico, Joseph C., Brooklyn, N. Y. Airplane. 163,819, July 3.
Rose, Henry, New York, N. Y. Fabric. 163,820, July 3.
Rosenbaum, Milton, New York, N. Y. Embroidered narrow woven fabric trimming or similar article. 163,821, July 3.
Roth, Harold, New York, N. Y. Strapless brassière slip. 163,822, July 3.
Rothchild, Aaron, Flushing, N. Y. Combined apparel belt and writing implement. 163,823, July 3.
Schnitzer, Louis M., Brooklyn, N. Y., assignor to Everlast Metal Products Corp. Water pitcher. 163,826, July 3.
Schreckengost, Viktor, Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Baby walker. 163,827, July 3.
Schreckengost, Viktor, Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Baby walker. 163,828, July 3.
Schultz, Clarence B., Texarkana, Ark. Electrical appliance for defrosting refrigerators. 163,829, July 3.
Schweitzer, E. O., Manufacturing Co., Inc., assignee: *See*—
Schweitzer, Edmund O., Jr.
Schweitzer, Edmund O., Jr., assignor to E. O. Schweitzer Manfacturing Co., Inc., Northbrook, Ill. Hook-on instrument for measuring a variable characteristic in an electric power conductor. 163,830, July 3.
Scott, David E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile lamp lens housing. 163,825, July 3.
Seneca Glass Company, assignee: *See*—
Kammerer, Harry G.
Shoffner, Willie M., Dayton, Ohio. Fowl bleeder. 163,831, July 3.
Smith, George C., and C. A. Hemsing, assignors to Defiance Manufacturing Company, Inc., Los Angeles, Calif. Combined lamp housing and filter holder for ultraviolet lamps. 163,832, July 3.
Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Kitchen cabinet pull. 163,833, July 3.
Torgerson, Oscar, Portland, Oreg. Telephone desk. 163,834, July 3.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Wagenman, Samuel C., Cleveland, Ohio. Store front. 163,835, July 3.
Waldron, William L., Mesquite, Tex. Casket. 163,837, July 3.
Weinberg, Ralph H., Philadelphia, Pa. Stocking. 163,836, July 3.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Scott M., assignor to Tenderet Corp., Chicago, Ill. Meat-tendering machine. 2,559,270, July 3.
Abegg & Reinhold Co., assignee: *See*—
Abegg, Walter A.
Abegg, Walter A., assignor, by mesne assignments, to Abegg & Reinhold Co., Los Angeles, Calif. Kelly bushing. 2,558,806, July 3.
Abell, Francis M., Louisville, Ky., assignor, by mesne assignments, to Shell Development Company, Emeryville, Calif. Stabilized compositions containing high molecular weight halogenated materials. 2,559,333, July 3.
Adams, John E., and G. E. Wagner, Los Angeles, Calif. Automobile jack. 2,559,182, July 3.
Adams, Leon M.: *See*—
May, Paul D., Adams, and Lee.
Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Electron discharge device of the focussed-beam type. 2,559,037, July 3.
Air Preheater Corporation, The, assignee: *See*—
Holm, Sven.
Akins, Stuart M., Curundu, Canal Zone. Booster socket wrench. 2,558,897, July 3.
Akron Standard Mold Company, assignee: *See*—
Kastner, Edward C.
Aktiebolaget Facit, assignee: *See*—
Grip, Erik K.
Aktiebolaget Separator, assignee: *See*—
Erling, Sven J.
Alderfer, Sterling W., and F. R. Thompson, Akron, assignors, by mesne assignments, to The Falls Stamping and Welding Company, Cuyahoga Falls, Ohio. Prefabricated canopy. 2,559,209, July 3.
Aldrich, William S., Chaldon, near Caterham, assignor to Stillwell Darby & Company Limited, London, England. Projection apparatus for positive and negative image pairs. 2,558,999, July 3.
Alexander, Lowell M., Cincinnati, Ohio, assignor to Nutone, Incorporated, New York, N. Y. Chime. 2,559,334, July 3.
Alger, Philip L., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine winding. 2,559,335, July 3.
Allen, Philip H., Orinda, Calif., and B. J. Chromy, Washington, D. C. Optical value-comparing and operation control mechanism. 2,558,721, July 3.
Allied Chemical & Dye Corporation, assignee: *See*—
Liston, Thomas R., Spatz, Mazur, and Glick.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Jansson, Gustav E.
Almosilno, Hans A., Hollis, N. Y. Portable body-supporting assemblage. 2,558,722, July 3.
Altgelt, Rudolph J.: *See*—
Gemberling, Cameron H., and Altgelt.
Aluminum Company of America, assignee: *See*—
Templin, Richard L.
Ambler, Richard J., Montreal, Quebec, Canada. Loose-leaf filing device. 2,559,556, July 3.
American Brake Shoe Company, assignee: *See*—
Dalrymple, William P.
American Cabinet Hardware Corporation, assignee: *See*—
Borchers, Earl M.
American Can Company, assignee: *See*—
Ayres, William H.
Dryguiski, John.
Hebert, Harold C.
Nordquist, Ronald E. J., and Borkmann.
American Car and Foundry Company, assignee: *See*—
Kuhler, Otto A.
Walsh, Robert.
American Cyanamid Company, assignee: *See*—
Cresswell, Arthur.
Cresswell, Arthur, and Wizon.
Detwiler, Earl B.
Maxwell, Charles S., and Landes.
Pollard, John D.
Schneider, William C., and Padbury.
American Floor Surfacing Machine Company, The, assignee: *See*—
Dolan, Francis D.
American Machine and Foundry Company, assignee: *See*—
Broekhuysen, William C.
American Tobacco Company, The, assignee: *See*—
Stoever, Henry V. H., Jr.
American Viscose Corporation, assignee: *See*—
Pearson, Frank G.
Anaconda Wire and Cable Company, assignee: *See*—
Bunish, Stephen, and Witthoft.
Sturgis, Howard W., and Olson.
Anderson, Clarence E., Jr., Washington, D. C. Chimed mallet. 2,559,384, July 3.
Anderson Company, The, assignee: *See*—
Crews, Clarence M.
Anderson, Wilbur C., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Spring construction. 2,559,103, July 3.
Arata, George V., assignor to The Pelton Water Wheel Company, San Francisco, Calif. Draft tube valve. 2,559,336, July 3.
Arbiter, Nathaniel, and O. E. Young, Morenci, Ariz., assignors to Phelps Dodge Corporation, New York, N. Y. Flotation recovery of molybdenite. 2,559,104, July 3.
Arens Controls, Inc., assignee: *See*—
Norton, Calhoun, and Hooker.
Armour and Company, assignee: *See*—
Jordan, Wesley A., and Shapiro.
Armstrong, Arthur D.: *See*—
Porter, Percy L., and Armstrong.
Arrow Industrial Manufacturing Company, assignee: *See*—
Matheny, William F.
Aspinall Bros. (Huddersfield), Limited, assignee: *See*—
Brierley, Sam.
Atlas Plywood Corporation, assignee: *See*—
Muller, Robert A.
Automatic Electric Laboratories, Inc., assignee: *See*—
Molnar, Imre.
Automatic Screw Products Company, assignee: *See*—
Voelker, Henry H.
Autophon Aktiengesellschaft, assignee: *See*—
Kappeler, Hans.
Avco Manufacturing Corporation, assignee: *See*—
Bass, Harland A.
Ayres, William H., Baltimore, Md., assignor to American Can Company, New York, N. Y. Container. 2,558,723, July 3.
Ayrton, Wm., & Company, Limited, assignee: *See*—
Osborne, Frank.
Babcock & Wilcox Company, The, assignee: *See*—
Bailey, Ervin G., and Hardgrove.
Ratcliffe, Temple W.
Back, Joseph B., Garden City, N. Y. Cigar wrapper. 2,559,000. July 3.
Badertscher, Darwin E.: *See*—
Schick, John W., Hartough, and Badertscher.
Baggs, Robert N., Haddonfield, N. J., assignor to International Resistance Company, Philadelphia, Pa. Container for resistors or the like. 2,558,920, July 3.
Bahr, Henry H., assignor to Guaranteed Buff Co., Inc., New York, N. Y. Construction of buffing wheels. 2,559,385, July 3.
Bailey, Ervin G., Easton, Pa., and R. M. Hardgrove, Westfield, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Aerating feeding of pulverized materials. 2,559,557, July 3.
Bailey, James, assignor to Plax Corporation, West Hartford, Conn. Manufacture of lay flat tubing. 2,559,386, July 3.
Bailey Meter Company, assignee: *See*—
Hornfeck, Anthony J.
Bailey, Robert E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Making flexible fuel tanks. 2,558,807, July 3.
Bailey, Thomas S., Jr., assignor to Mining Process and Patent Company, Denver, Colo. Concentrator for minerals in fine sized ranges. 2,558,724, July 3.
Baines, Richard, Preston, England. Fireplace with movable reflector. 2,559,271, July 3.
Baker, Corwin W., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Stitch separating machine. 2,558,725, July 3.
Baker, David B.: *See*—
Hagen, Clarence R., and Baker.
Baker John S.: *See*—
Hasselhorn, Walter C., and Baker.
Baker, Raymond S., Binghamton, N. Y., assignor to Link-Aviation, Inc. Sheath removing machine. 2,559,387, July 3.
Baker, Stanley W.: *See*—
Davis, Charles S., Jr., Du Bois, and Baker.
Baldridge, Bernard H., assignor to Electronics Research, Inc., Evansville, Ind. Television receiver testing apparatus. 2,559,388, July 3.

Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Tapper, Thomas P.

Ballard, Milton H.: *See*—
Gulbrandsen, Helge, Ballard, Linderoth, and Knowles.

Balmforth, Norman, assignor to David Brown & Sons (Huddersfield), Limited, Huddersfield, England. Fluid engaged and released clutch. 2,559,337, July 3.

Banks, Clarence K., and J. Controulis, assignors to Parke, Davis & Company, Detroit, Mich. Phenylcyanamides and obtaining the same. 2,559,061, July 3.

Banning, Thomas A., Jr., Chicago, Ill. Automobile spring and the like. 2,559,105, July 3.

Banta, Walter: *See*—
Jandus, Herbert S., and Banta.

Baracket, Albert J., Bloomfield, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Generation of a sine wave. 2,559,144, July 3.

Barch, William E., assignor to Standard Brands Incorporated, New York, N. Y. Low methoxyl acid pectinate jelly composition. 2,559,338, July 3.

Barker, Maurice E., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Incendiary article. 2,558,726, July 3.

Barker, Seth S., Ottumwa, Iowa. Chicken picking finger. 2,559,001, July 3.

Barnett, Lawton L., O'Brien, Fla. Transplanter drill set. 2,559,183, July 3.

Barr, John M., Elmwood, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Carburetor. 2,558,921, July 3.

Barrett, Edward J., Lemay, Mo. Pocket tissue case and tissue packet therefor. 2,559,528, July 3.

Bass, Harland A., Mount Healthy, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Line pulse keyed automatic gain control circuit with control voltage delay. 2,559,038, July 3.

Bauman, William C., assignor to The Dow Chemical Company, Midland, Mich. Removing sulfate and bicarbonate ions from water. 2,559,529, July 3.

Baush Machine Tool Company, assignee: *See*—
Phillips, Harry F.

Bechman, William O., Chicago, and W. W. Henning, Riverside, Ill., assignors to International Harvester Company, Crawler tractor shoe and rubber tread therefor. 2,558,922, July 3.

Beck, József, assignor to Ungarische Radiatoren Fabriks Aktiengesellschaft, Budapest, Hungary. Heat exchanger. 2,559,272, July 3.

Becker, Carl W., Arlington, assignor to Raytheon Manufacturing Company, Newton, Mass. Cathode coatings. 2,559,530, July 3.

Becker, Morris, Laurelton, N. Y. Conical spool combined with thread guide and axial receptacle. 2,558,808, July 3.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Scanning control system. 2,559,492, July 3.

Beeber, Allan R. A., Matawan, D. D. Jacobus, Hoboken, and C. W. Keuffel Bernardsville, assignors to Keuffel & Esser Company, Hoboken, N. J. Producing precision images. 2,559,389, July 3.

Belden, Albert G., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,559,531, July 3.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Newsom, James B.

Bencur, Matthew S., Pulaski, N. Y. Expansible reamer for making dovetail holes. 2,559,184, July 3.

Bendix Aviation Corporation, assignee: *See*—
Frei, Jakob R.

Benedict, Bruce C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fractionation of reduced crude oil. 2,558,809, July 3.

Bennett, Eldred C.: *See*—
Boegly, William J., Bennett, Morrison, and Powell.

Bent, Arthur J., Penn Township, Allegheny County, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure motor having a check for terminal operation thereof. 2,558,810, July 3.

Bergstrom Herman A.: *See*—
Von Glahn, William H., and Bergstrom.

Bernard, Harold A., Gloversville, assignor to G. Levor & Co., Inc., New York, N. Y. Apparatus for facing leather or the like. 2,558,811, July 3.

Bernet, Edwin J., Washington, D. C. Antenna. 2,558,727, July 3.

Bernstein, Nahum A., assignee: *See*—
Zapelovitch, Nathan.

Bernstein, Robert G. Levittown, assignor to Ruby-Phillte Corp., Queens County, N. Y. Fixture support. 2,559,241, July 3.

Bersworth, Frederick C., Verona, N. J. Purifying ethylene diamine di-acetic acid. 2,558,923, July 3.

Bird, John, assignor to George Salter and Company Limited, West Bromwich, England. Dial structure for weighing apparatus. 2,559,493, July 3.

Birdsboro Steel Foundry and Machine Company, assignee: *See*—
Peterson, Edward T.

Bishop, Glenn A.: *See*—
Bishop, Robert B. and G. A.

Bishop Publishing Company, assignee: *See*—
Bishop, Robert B. and G. A.

Bishop, Robert B., Arlington Heights, and G. A. Bishop, Wilmette, assignors to Bishop Publishing Company, Cook County, Ill. Display device. 2,559,106, July 3.

Bissinger, Harry G.: *See*—
Drew, Ernest F., Bissinger, and Kamlet.

Blair, C. B., assignee: *See*—
Waring, Edward M.

Blaisdell, Donald, Chill, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic control system. 2,559,390, July 3.

Blake, Norman B., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Seismographic prospecting apparatus for directing explosive energy. 2,558,924, July 3.

Blease, Malcolm T., and E. Schafranik, Providence, R. I. Remote-control system. 2,559,339, July 3.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Resin and its manufacture by condensation of a phenol, an alkyl aromatic hydrocarbon, and a polyenic hydrocarbon. 2,558,812, July 3.

Blosser, Herman G., Pittsburgh, and F. H. Nicholson, Penn Township, Allegheny County, assignors to The Union Switch & Signal Company, Swissvale, Pa. Coded signaling apparatus. 2,559,391, July 3.

Bloxham, Verlin A., Berkeley, Calif. Drying hops. 2,559,107, July 3.

Bluestein, Ben A., Scotia, N. Y., assignor to General Electric Company. Trimethylisothiocyanatosilane. 2,559,340, July 3.

Boadwee, Russel K.: *See*—
Guild, Lurelle, and Boadwee.

Boegly, William J., Mason, E. C. Bennett, R. S. Morrison, and C. Powell, Detroit, Mich., assignors to Sterling Drug, Inc., New York, N. Y. Container filling apparatus with automatically timed filling and conveyor movement means. 2,559,242, July 3.

Boge, Adolf, Jr.: *See*—
Boge, Adolf, Sr., and A. Boge, Jr.

Boge, Adolf, Sr., Altgluck, and A. Boge, Jr., Eltrof, Germany. Universal joint. 2,559,108, July 3.

Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. On track railway brake. 2,559,392, July 3.

Bonini, John H., Appleton, assignor to Marathon Corporation, Rothschild, Wis., Laminated sheet material for packaging moisture-containing foods. 2,559,109, July 3.

Booth, William M.: *See*—
Davis, Ellis E., and Booth.

Borchers, Earl M., assignor to American Cabinet Hardware Corporation, Rockford, Ill. Catch 2,559,145, July 3.

Borg-Warner Corporation, assignee: *See*—
Hannum, John A.
Warner, Archibald A.

Borkmann, Frank F.: *See*—
Nordquist, Ronald E. J., and Borkmann.

Botke, William A.: *See*—
Merrill, John L., and Botke.

Bourget, Rosario, St. Vincent de Paul, Quebec, Canada. Power transmission. 2,559,393, July 3.

Bovard, Robert M.: *See*—
Jackson, Carey B., and Bovard.

Bowman, David F., Bayside, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Capacitance attenuator. 2,558,925, July 3.

Bradley, Edwin J., Santa Ana, Calif. Ring form support. 2,559,210, July 3.

Brady, Joseph G., Minneapolis, and C. H. Jackson, St. Paul, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Potentiometer. 2,559,394, July 3.

Bramble, Donald E., Chicago, Ill. Convertible top structure. 2,558,926, July 3.

Bready Tractor & Implement Company, assignee: *See*—
Woodard, Walter M., and Taylor.

Breau, Anthony: *See*—
Duell, Edith B., and Breau.

Brechner, Hyman, Tuckahoe, N. Y. Combination manifold form and envelope. 2,558,813, July 3.

Bremer, Hermann F. and J. A. Gondolfo, Bronx, assignors, by mesne assignments, to Rainbows, Inc., New York, N. Y. Automatic drinking cup dispensing device. 2,559,063, July 3.

Brierley, Sam, Huddersfield, assignor to Aspinall Bros. (Huddersfield), Limited, Skipton, England. Doubleply leno fabric. 2,559,341, July 3.

Briggs & Stratton Corporation, assignee: *See*—
Jacobi, Edward N.

Briney, Ottis R., Pontiac, Mich. Jig bushing retainer. 2,558,814, July 3.

Briney, Ottis R., Jr., Pontiac, Mich. Boring tool structure. 2,558,815, July 3.

Brinkley, Glenn A., Youngstown, Ohio. Knife sharpener. 2,559,273, July 3.

Brinton, Willard C., New York, N. Y., Parking system. 2,558,927, July 3.

Bristol Aeroplane Company Limited, The: *See*—
Markham, Basil G., and Kenney.

British Oxygen Company Limited, The, assignee: *See*—
Roberts, Neville W.

British Schering Research Laboratories Limited, assignee: *See*—
Davies, John S. H., and Hook.

Britton, Edgar C., and W. J. Le Fevre, assignors to The Dow Chemical Company, Midland, Mich. Thermostable polymeric vinylidene chloride composition. 2,558,728, July 3.

Brock, Charles R., assignor of 25 per cent to S. F. Dolgin, Fairbury, Ill. V-shaped expansible harrow. 2,559,002, July 3.

Broekhuysen, William C., Garden City, N. Y., assignor to American Machine and Foundry Company. Bowling pin setting machine. 2,559,274, July 3.

Brooks, Ralph C.: *See*—
Stevens, Roy R., and Brooks.

Brow, Ernest O., Anderson, Ind. Lantern and reflector support with universally adjustable base. 2,559,003, July 3.

Brown, David & Sons (Huddersfield), Limited, assignee: *See*—
Balmforth, Norman.

Brown, Herbert W., Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Piezoelectric crystal holder. 2,559,494, July 3.

Brown, Herman N., and S. S. Jones, Sr., Cleveland, Ohio. Hair treating apparatus. 2,559,004, July 3.

Brown, John T., Montchanin, Del., and B. K. Daubenspeck, Stratford, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Cellular plastic wad. 2,559,275, July 3.

Brown, Joseph D., Eastchester, assignor to Poloron Products, Inc., New Rochelle, N. Y. Collapsible stove. 2,559,243, July 3.

Brown, Ralph L., and R. E. Zebner, Anderson, Ind. Self-storing storm and screen combination. 2,559,005, July 3.

Brown, Robert C., Jr., assignee and trustee: *See*—
Wittgren, Charles.

Brown, Warren G., West Englewood, assignor to Electrons, Incorporated, Newark, N. J. Controllable electron discharge tube having low tube losses. 2,559,395, July 3.

Bruchet, Irvine A., Lethbridge, Alberta, Canada. Adjustable tubular metal school desk and seat. 2,559,396, July 3.

Brunengraber, Mates, Berlin-Mariendorf, Germany. Bracelet calendar. 2,559,211, July 3.

Bruning, Charles, Company, Inc., assignee: *See*—
Hruby, Joseph.

Bruynes, Hendrik, Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Fluid mixing device. 2,558,816, July 3.

Bryan, Harry F., Chicago, Ill., assignor to International Harvester Company. Resiliently mounted operator's station for tractors. 2,558,928, July 3.

Bryant, Edmond V., Cleveland, Ohio. Snow, ice, and frost shield for windshields. 2,558,817, July 3.

Buechler, Lester W., Hyattsville, Md. Frequency control system. 2,558,729, July 3.

Buechner, William W.: *See*—
Van de Graaff, Robert J., and Buechner.

Bunish, Stephen, and H. C. Witthoft, Marion, Ind., assignors to Anaconda Wire and Cable Company. Rubber insulated power cable. 2,558,929, July 3.

Burkhard, Charles A., Alplaus, N. Y., assignor to General Electric Company. Organo-silicon compositions. 2,559,342, July 3.

Burwell, Maurel G., Columbus, Ohio. Water heater and burner housing therefor. 2,559,110, July 3.

Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Speed control with penalty means in continuous inductive train control systems. 2,559,397, July 3.

Calkins, Robert W., Racine, Wis. Portable air controller. 2,559,495, July 3.

Campbell, James F., Milton, Mass. Tabernacle. 2,558,898, July 3.

Campbell, Rollin E., Anderson, Ind. Photoelectric musical instrument. 2,559,276, July 3.

Campbell, Willard S., Hampshire, assignor, by mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill. Rotary can washer. 2,558,818, July 3.

Capell, Robert G., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Wax compositions and making same. 2,559,398, July 3.

Carlson, Carl S.: *See*—
Smith, Paul V., Jr., and Carlson.

Carlson, Edwin N.: *See*—
Carlson, Paul H., and E. N., and W. E.

Carlson, Paul H., and E. N., St. Paul, and W. E., Stillwater, Minn. Axial impact type rotary tool. 2,559,558, July 3.

Carlson, Warren E.: *See*—
Carlson, Paul H., and E. N., and W. E.

Carpenter, Rupert E. H., South Croydon, England. Polarized electromagnetic relay. 2,559,399, July 3.

Carrier-Stephens Company, assignee: *See*—
Wallace, James R.

Carroll, Ernest J., Ada, Okla. Load binder. 2,559,185, July 3.

Carroll, Jessie C., executor: *See*—
Carroll, John B.

Carroll, John B., deceased, Oak Park, Ill.; J. B., Jr., and J. C. Carroll, executors of said J. B. Carroll. Measuring tape and the like. 2,559,111, July 3.

Carroll, John B., Jr., executor: *See*—
Carroll, John B.

Carson, Harold E., Indianapolis, Ind. Voltage variator control. 2,559,277, July 3.

Carter, Franklyn Y., Dearborn, assignor to Detroit Lubricator Company, Detroit, Mich. Thermostatic expansion valve having pressure responsive means for varying the superheat setting thereof. 2,558,930, July 3.

Case, J. I., Company, assignee: *See*—
Rutter, Alvah E.

Catlin, John P., Bridgeport, and W. S. Reynolds, Stratford, Conn., and H. E. Hutzelman, Wilmington, Del, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Machine for assembling ammunition components, including resistance wire. 2,559,278, July 3.

Caton, Milton W., East Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio. Refractory material. 2,559,343, July 3.

Caylor, Clyde M., Camden, Tenn. Potato masher. 2,559,186, July 3.

Celanese Corporation of America, assignee: *See*—
Esmond, William G.

Celotex Corporation, The, assignee: *See*—
Muench, Carl G.

Cesar, Simon S., London, England. Styptic attachment for razors. 2,559,344, July 3.

Champion Spark Plug Company, assignee: *See*—
Caton, Milton W.

Chance, A. B., Company, assignee: *See*—
Hubbard, David C.
Hubbard, David C., and Hollander.

Chapin, Earl C., and G. E. Ham, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparing polymers of acrylonitrile. 2,559,155, July 3.

Charles, Daniel, Paris, France, assignor to Compagnie Generale de T. S. F. Manufacture of electroluminescent screens. 2,559,279, July 3.

Chase, Herbert S., Flushing, N. Y. Bookrest. 2,558,931, July 3.

Chausson, Gaston, assignor to Societe Anonyme des Usines Chausson, Asnieres, France. Airfoil structure and making same. 2,558,819, July 3.

Cheney, Oliver F., assignor to Philco Corporation, Philadelphia, Pa. Circuit for preventing shock in transformerless radio-phonographs. 2,558,820, July 3.

Cheney, Oliver F., assignor to Philco Corporation, Philadelphia, Pa. Phonograph circuit having shock prevention means. 2,558,821, July 3.

Cherry-Burrell Corporation, assignee: *See*—
Campbell, Willard S.

Chicago Metallic Manufacturing Company, assignee: *See*—
Langel, Adrien L.

Chicago Pneumatic Tool Company, assignee: *See*—
Harcourt, George T.
Stevens, Edward W.

Christensen, Paul M., Euclid, assignor to The Clark Controller Company, Cleveland, Ohio. Push-button contactor. 2,559,112, July 3.

Chromy, Benjamin J.: *See*—
Allen, Philip H., and Chromy.

Church, James S., Los Alamos, N. Mex., and H. R. Tyler, St. Louis, Mo., assignors to the United States of America as represented by the United States Atomic Energy Commission. Casting method and compositions. 2,559,345, July 3.

Ciba Limited, assignee: *See*—
Widmer, Willi, and Heckendorn.

Cincinnati Milling Machine Co., The, assignee: *See*—
Plimmer, Alfred G.
Trinkle, Dallas R.

Clapham, Thomas, Coulsdon, assignor to Power Jets (Research and Development) Limited, London, England. Rotary starting means for rotary engines with cartridge chamber and surplus gas releasing means. 2,559,006, July 3.

Clapp, Jerome B., North Plainfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Line fit connector. 2,559,187, July 3.

Clare, C. P., & Company, assignee: *See*—
Horlacher, Albert F.

Clark, Augustus W.: *See*—
Jones, Robert C., and Clark.

Clark Controller Company, The, assignee: *See*—
Christensen, Paul M.

Clark, Howard H., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Spring testing machine. 2,559,400, July 3.

Clarke, John T.: *See*—
Devaney, Lawrence W., Clarke, and Culnane.

Clary, Paul D., Jr.: *See*—
Peebles, David D., Clary, and Meade.

Claus, Walter E., Milwaukee, Wis. Depth control hood mechanism for soil-working rotors. 2,558,822, July 3.

Cliffe, Joseph S., Ladysmith, British Columbia, Canada. Bunk stake for logging trucks and railroad cars. 2,559,007, July 3.

Cobert, Joseph K., Sherbrooke, Quebec, Canada. Yarn measuring machine. 2,559,113, July 3.

Cobourn, Delbert F., Portsmouth, Ohio, assignor to The Union Switch and Signal Company, Swissvale, Pa. Control of hump and trimmer signals for classification yards. 2,559,401, July 3.

Cochran, Henry C., Oakland, Calif. Center and eccentric point marker. 2,559,280, July 3.

Coffeen, William W., Union, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Opacifier for vitreous enamels and making. 2,558,932, July 3.

Coleman, Gerald H., Freeland, and R. H. Rigterink, assignors to The Dow Chemical Company, Midland, Mich. Chloro-2-methylbenzofurans. 2,559,532, July 3.

Colgate-Palmolive-Peet Company, assignee: *See*— Rice, Curtis D., and Cook.

Colibri Lighters Limited, assignee: *See*— Lowenthal, Julius, and Moore.

Combe, Otto H., Benkelman, Nebr. Window shield. 2,559,008, July 3.

Combined Metals Reduction Company, assignee: *See*— Klepetko, Ernest, and Kaye.

Combustion Engineering-Superheater, Inc., assignee: *See*— Kreisinger, Henry.

Commonwealth Engineering Company of Ohio, The, assignee: *See*— Wenzelberger, Elwood P.

Compagnie Generale de T. S. F., assignee: *See*— Charles, Daniel.

Comstock, D. A., and Company, Incorporated, assignee: *See*— Comstock, David A.

Comstock, David A., Wilton, assignor to D. A. Comstock and Company, Incorporated, South Norwalk, Conn. Air-speed indicator for bicycles. 2,559,402, July 3.

Connors, John, Hamden, assignor to The Greist Manufacturing Company, New Haven, Conn. Cloth-holding device for buttonhole attachments. 2,559,114, July 3.

Connors, John, Hamden, assignor to The Greist Manufacturing Company, New Haven, Conn. Cloth-holding device for buttonhole attachments. 2,559,115, July 3.

Consolidated Edison Company of New York, Inc., assignee: *See*— Kehoe, Arthur H.

Continental Can Company, Inc., assignee: *See*— Coyle, John, and Punte.

Controulis, John: *See*— Banks, Clarence K., and Controulis.

Cook Electric Company, assignee: *See*— Hasselhorn, Walter C., and Baker.

Cook, Glenn G.: *See*— Rice, Curtis D., and Cook.

Corex Limited, assignee: *See*— Isserstedt, Siegfried G.

Courtis, Thomas M., assignee: *See*— Harrison, George D.

Courtis Trust, assignee: *See*— Harrison, George D.

Courtis, Walter F., assignee: *See*— Harrison, George D.

Cover, Ralph, Westminister, Md. Flotation washer. 2,559,403, July 3.

Cox, Robert B., assignor to Wyandotte Chemical Corporation, Wyandotte, Mich. Pumping mercury. 2,559,404, July 3.

Coyle, John, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Snap-in hinge for box covers. 2,559,009, July 3.

Craig, Frank S.: *See*— Field, Oscar S., Moore and Craig.

Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing shaped products from polymers and copolymers of acrylonitrile. 2,558,730, July 3.

Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Producing synthetic fibers from polymers and copolymers of acrylonitrile. 2,558,731, July 3.

Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Producing stanle fiber from polymers and copolymers of acrylonitrile. 2,558,732, July 3.

Cresswell, Arthur, Stamford, and I. Wilzon, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Producing synthetic fibers from polymers and copolymers of acrylonitrile. 2,558,733, July 3.

Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Comoany, New York, N. Y. Thread-treating apparatus. 2,558,734, July 3.

Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Forming dyed shaped articles from acrylonitrile polymerization products. 2,558,735, July 3.

Crevatin, Gilio. Crevatin, Waldemar, G., and M.

Crevatin, Mario. Crevatin, Waldemar, G., and M.

Crevatin, Waldemar, G., and M., Sao Paulo, Brazil. Valve. 2,559,405, July 3.

Crews, Clarence M., Manhasset, N. Y., assignor to The Anderson Company. Electrical indicating system. 2,558,736, July 3.

Crockett, Robert E., and P. S. Haselton, Montclair, N. J. Magnetic separator. 2,559,565, July 3.

Croessant, George F., Wyomissing, Pa. Anchoring socket for bolts. 2,559,281, July 3.

Cross, Joseph A., Westerville, Ohio, assignor to Mojonnier Bros. Co. Distillation apparatus for removing oil from citrus fruit juices. 2,558,933, July 3.

Cross, Lloyd E.: *See*— Lingen, Ralph A., and Cross.

Crowley, Henry L., South Orange, and A. M. Hossenlopp, Maplewood, N. J. Apparatus for molding articles. 2,558,823, July 3.

Culnane, Charles H.: *See*— Devaney, Lawrence W., Clarke, and Culnane.

Cunningham, Marion M., Woonsocket, R. I., assignor to United States Rubber Company, New York, N. Y. Fitting for flexible containers. 2,559,064, July 3.

Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Rock drill. 2,559,282, July 3.

Curtiss Candy Company, The, assignee: *See*— Spohr, Carl W.

Cutler, Richard E., Luck, Wis. Trigger attachment for firearms. 2,559,010, July 3.

Dalrymple, William P., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Spray gun. 2,559,407, July 3.

Dalton, Bernard J., Scotia, N. Y., assignor to General Electric Company. Regenerative braking control system. 2,559,346, July 3.

Damrow Brothers Company, assignee: *See*— Peters, Norman J., and Flentje.

Daniels, Joseph S., Rhinelander, Wis. Printing plate positioner. 2,559,533, July 3.

Dannenberg, Hans, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Drying compositions resistant to gas checking and frosting. 2,559,347, July 3.

Darling, John M., Kansas City, Mo. Collar protector. 2,559,406, July 3.

Darnell, Victor L., Spring Valley, assignor to The Master Electric Company, Dayton, Ohio. Rotor balancing means. 2,558,737, July 3.

Darrach, Walter T., Philadelphia, Pa. Correcting magnetic compasses on carriers. 2,558,934, July 3.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,558,824, July 3.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener for hinged doors. 2,558,825, July 3.

Daubenspeck, Benjamin K.: *See*— Brown, John T., and Daubenspeck.

Davidson, William A., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine supporting cabinet with column stand. 2,558,826, July 3.

Davies, John S. H., and W. H. Hook, Alderley Edge, assignors to British Schering Research Laboratories Limited, London, England. Manufacture of N-allyl derivatives of oxazolidine-2 :4-diones. 2,559,011, July 3.

Davis, Charles S., Jr., Paterson, G. B. Du Bois, Radburn, and S. W. Baker, Paramus, N. J., assignors to Wright Aeronautical Corporation. Multispeed transmission. 2,558,738, July 3.

Davis, Ellis E., and W. M. Booth, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Percussion drill. 2,559,012, July 3.

Davis, Hollis E., Abilene, Tex. Garment hanger rod. 2,558,717, July 3.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride resins plasticized with chloro phenoxy acetates. 2,559,146, July 3.

Decker, Edward O.: *See*— Pace, Charles N., and Decker.

Decker, George A., Fenton, assignor to Link Aviation Inc., Binghamton, N. Y. Simulated radio direction finding means for aviation trainers. 2,559,039, July 3.

Decora Corporation, The, assignee: *See*— Smith, Leland H., and F. M.

De Hart, Edward C., Turlock, Calif. Animal trap. 2,559,348, July 3.

De Haven, Benjamin H., Pittsburgh, Pa. Ash receiver. 2,558,827, July 3.

Delapena & Son Limited, assignee: *See*— Wagstaff, George F.

De Sierra, Marco A. L., Habana, Cuba. Drawing pen. 2,558,828, July 3.

Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Box cover switch. 2,558,739, July 3.

Detroit Harvester Company, assignee: *See*— Votypka, John W.

Detroit Lubricator Company, assignee: *See*— Carter, Franklyn Y. Dillman, Earnest J. Dillman, Earnest J., and Noakes.

Detwiler, Earl B., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Mixture of melamine-formaldehyde resin and acetanilide curing catalyst. 2,559,349, July 3.

Devaney, Lawrence W., Waco, Tex., J. T. Clarke, Columbus, Ohio, and C. H. Culnane, Beacon, assignors to The Texas Company, New York, N. Y. Thiophene preparation from hydrocarbons, alcohols, or monohalo hydrocarbons and sulfur dioxide. 2,558,716, July 3.

Devoe & Raynolds Company, Inc., assignee: *See*— Greenlee, Sylvan O.

Dewandre, Albert, Brussels, assignor to Servo-Frein Dewandre Société Anonyme, Liege, Belgium. Hydraulic control circuit for allowing independent or joint control of a plurality of servomotors. 2,559,065, July 3.

Dick, Henry, Jr., Portland, Oreg. Multiple purpose radial saw. 2,559,283, July 3.

Dicke, Oscar H., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Sustained power electric clock. 2,558,935, July 3.

Dickey, Joseph B.: *See*— Stanin, Theodore E., and Dickey.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Electronic counter. 2,558,936, July 3.

Dickschat, Albert R., Struthers, Ohio. Air filter for beer pump pressure systems. 2,559,284, July 3.

Diefenbronn, William A., St. Louis, Mo. Adjustable gate. 2,559,066, July 3.

Dilg, Raymond J., Bronx, N. Y. Window. 2,559,212, July 3.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Air conditioning system and apparatus. 2,558,937, July 3.

Dillman, Earnest J., and T. E. Noakes, assignors to Detroit Lubricator Company, Detroit, Mich. Heat pump and control means. 2,558,938, July 3.

Dodelin, Frederick A., Glen Ridge, assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher nozzle for vehicles. 2,559,408, July 3.

Doeg, Ralph W., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Compressor. 2,559,067, July 3.

Doeg, Ralph W., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerator door latch mechanism. 2,559,068, July 3.

Doherty, William H., Elmhurst, N. Y. Shoe tree. 2,558,740, July 3.

Dohmeyer, Louis, Harvey, Ill. Live bait hook. 2,559,409, July 3.

Dolan, Francis D., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Rotary power handsaw with quick locking adjustments. 2,558,829, July 3.

Dole Valve Company, The, assignee: *See*— Kempton, Leslie A.

Dolgin, Seymour F., assignee: *See*— Brock, Charles R.

Dornbush, Edward, Miami Beach, assignor to Tropical Concrete Products, Inc., Hialeah, Fla. Sanitary storage cabinet. 2,558,939, July 3.

Dornte, Ralph W., Westfield, N. J., assignor to Standard Oil Development Company. Friedel-Crafts metal halide-ether complexes as polymerization catalysts. 2,559,062, July 3.

Doschek, Antony, Crafton, Pa., assignor of one-half to G. O. Paff, Baltimore, Md. Dispensing valve. 2,559,116, July 3.

Douce, William C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic cracking and destructive hydrogenation of heavy asphaltic oils. 2,559,285, July 3.

Dougherty, William A., San Rafael, Calif. Code transmitter. 2,558,718, July 3.

Dow Chemical Company, The, assignee: *See*— Bauman, William C. Britton, Edgar C., and Le Fevre. Coleman, Gerald H., and Rigterink. Haynes, James D., and Lyons. Perkins, Ralph P.

Downes, Arthur E., Greenwich, Conn. Lumber dipping apparatus. 2,559,286, July 3.

Doyle, Charles C., Willoughby, Ohio. Electrical heater. 2,559,410, July 3.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Furnace construction. 2,559,350, July 3.

Drake, John L., Toledo, and J. P. Pearse, Swanton, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for metallizing glass sheets. 2,559,351, July 3.

Drane, Phillips B., and C. D. Laidley, Tulsa, Okla. Pressure and time controlled circuit maker and breaker. 2,558,830, July 3.

Drew, E. F., & Co., Inc., assignee: *See*— Drew, Ernest F., Bissinger, and Kamlet.

Drew, Ernest F., New York, N. Y., H. G. Bissinger, Denville, N. J., and J. Kamlet, assignors to E. F. Drew & Co., Inc., New York, N. Y. Coloring margarine and resulting product. 2,559,411, July 3.

Driver, Wilbur B., Company, assignee: *See*— Ellison, Stanley R.

Dryguiski, John, Hillside, N. J., assignor to American Can Company, New York, N. Y. Apparatus for truing out-of-round can bodies. 2,558,741, July 3.

Drying Systems, Inc., assignee: *See*— Yates, Robert E., Engel, and Riesche.

Du Bois, George B.: *See*— Davis, Charles S., Jr., Du Bois, and Baker.

Duell, Edith B., Pittsburgh, and A. Breau, Philadelphia, Pa.; said Breau assignor to said Duell. Dispensing container. 2,559,287, July 3.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*— Baracket, Albert J.

Dungler, Julien, Basel, Switzerland. Drum drying machine. 2,559,412, July 3.

Dungler, Julien, Basel, Switzerland. Blowing nozzles for drying or other machines. 2,559,413, July 3.

Dunning, Robert M., assignor to Waldorf Paper Products Company, St. Paul, Minn. Container. 2,558,940, July 3.

Du Pont, E. I., de Nemours & Company, assignee: *See*— Goebel, Max T., Langston, Loder, and Siefen. Zinner, Daniel.

Durbin, Fred N., Cairo, Ill. Combined ash tray and extinguisher. 2,559,188, July 3.

Durfee, Benjamin M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,558,941, July 3.

Durkee-Atwood Company, assignee: *See*— Walz, Carl F.

Du Rostu, Georges L., assignor to Societe Anonyme Andre Citroen, Paris, France. Engine starter for automotive vehicles. 2,558,831, July 3.

Eagleson, Craig, Washington County, Oreg. Sanitizing composition. 2,558,942, July 3.

Eastman, David P., Chicago, Ill., and T. L. Swansen, Milwaukee, Wis., assignors to United Specialties Company, Chicago, Ill. Making turbine wheels. 2,559,013, July 3.

Eastman Kodak Company, assignee: *See*— Stanin, Theodore E., and Dickey.

Eaton Manufacturing Company, assignee: *See*— Clark, Howard H. Findley, Howard J.

Ebert, Louis J., Little Valley, N. Y. Separable and demountable tire rim. 2,559,288, July 3.

Edgar, David M., assignor to Miller Pottery Engineering Company, Pittsburgh, Pa. Jiggering tool for pottery ware. 2,559,352, July 3.

Edison, Thomas A., Incorporated, assignee: *See*— Fritzinger, George H. Kelly, Frederick G.

Edo Corporation, assignee: *See*— Moreno, Anthony J., and Fenn.

Edwin, Emil, Oslo, Norway. Producing metals in blast furnaces. 2,559,213, July 3.

Eisen, Leo and S., New York, N. Y. Man's jewelry accessory box. 2,559,289, July 3.

Eisen, Stephen: *See*— Eisen, Leo and S.

Eitinger Bead Co., Inc., assignee: *See*— Stone, Maxwell H.

Electric Service Manufacturing Company, assignee: *See*— McFarlin, John R.

Electronics Research, Inc., assignee: *See*— Baldridge, Bernard H.

Electrons, Incorporated, assignee: *See*— Brown, Warren G.

Ellis-Foster Company, assignee: *See*— Hessel, Frederick A., and Rust. Root, Frank B.

Ellison, Stanley R., Short Hills, assignor to Wilbur B. Driver Company, Newark, N. J. Bar grinding apparatus. 2,558,943, July 3.

Emerol Manufacturing Co., Inc., assignee: *See*— Pierce, Clayton B.

Emerson, William S., T. C. Shafer, and R. A. Heimsch, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of dibasic aromatic acids by oxidation. 2,559,147, July 3.

Emmerson, Thomas H. R., Gerrards Cross, England. Road sign. 2,558,944, July 3.

Enfield Rolling Mills Limited, assignee: *See*— Sykes, John.

Engel, Joseph M.: *See*— Yates, Robert E., Engel, and Riesche.

Engelmann, Max, Wetzlar/Lahn, assignor to E. Leitz, G. m. b. H., Wetzlar, Germany. Frame for optical mirrors. 2,559,290, July 3.

Engeln, John, Vancouver, Wash. Cutting tool for strips of leather. 2,559,291, July 3.

England, Frederick E., Homewood, assignor to Standard Oil Company, Chicago, Ill. Choke for abrasive fluids. 2,559,069, July 3.

Enos, Vern, assignee: *See*— McAllister, Donald E.

Epps, Ernest A., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Sulfuric acid regeneration. 2,559,496, July 3.

Ercolino, Michael D., Wanamassa, N. J. Television antenna. 2,559,148, July 3.

Ercolino, Michael D., Wanamassa, N. J. Television antenna. 2,559,149, July 3.

Erickson, Irving T., Portland, Oreg. Ice-cube freezer. 2,559,414, July 3.

Ericsson, Ernst A., Gothenburg, and S. C. Johansson, Bobus, Sweden. Receptacle for injection syringes. 2,558,742, July 3.

Eriksson, John A., Detroit, Mich. Conveyer mechanism. 2,558,832, July 3.

Erling, Sven J., Nockeby, assignor to Aktiebolaget Separator, Stockholm, Sweden. Pulsator. 2,559,244, July 3.

Esch, Herman C., Cherryvale, Kans. Traction wheel for garden tractors. 2,558,833, July 3.

Esmond, William G., Cumberland, Md., assignor to Celanese Corporation of America. Advancing reel. 2,558,834, July 3.

Esmond, William G., Cumberland, Md., assignor to Celanese Corporation of America. Advancing reel. 2,558,835, July 3.

Esmond, William G., Cumberland, Md., assignor to Celanese Corporation of America. Yarn advancing reel. 2,558,836, July 3.

Ethyl Corporation, assignee: *See*—
Orloff, Harold D.

Falk, Sven G., assignor to Svenska Aktiebolaget Philips, Stockholm, Sweden. Clutch operator for phonograph tone arm drives. 2,559,117, July 3.

Falls Stamping and Welding Company, The, assignee: *See*—
Alderfer, Sterling W., and Thompson.

Fay, Charles H., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. System for amplifying small direct currents. 2,559,245, July 3.

Fees, Myrtle M., Whipple, Ariz. Bedpan cushion. 2,559,246, July 3.

Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Vehicle wheel with improved hub cap mounting. 2,559,040, July 3.

Fenn, Cyril L.: *See*—
Moreno, Anthony J., and Fenn.

Ferger, Hulbert K., Flushing, assignor of one-half to J. B. Thomson, Piandome, N. Y. Antifriction bearing for sliding members. 2,559,292, July 3.

Field, Oscar S., and E. W. Moore, Rochester, and F. S. Craig, Chili, assignors to General Railway Signal Company, Rochester, N. Y. Course indicating light beacon. 2,559,415, July 3.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Drive. 2,559,416, July 3.

Fisch, Richard A., Kew Gardens, N. Y. Mounting and protecting device for cathode-ray tubes. 2,559,353, July 3.

Flentje, Karl W.: *See*—
Peters, Norman J., and Flentje.

Florio, Attilio, Alpine, N. J. Hair retainer. 2,559,417, July 3.

Foran, Roderick F., Moncton, New Brunswick, Canada. Scooter skate. 2,559,118, July 3.

Ford, Eardley H., assignor to The Paterson Foundry & Machine Co., East Liverpool, Ohio. Kneading apparatus. 2,559,418, July 3.

Ford, George E., Brighton, assignor to Qualitrol Corporation, East Rochester, N. Y. Thermometer. 2,558,743, July 3.

Fortier, Marie C. V., Brookline, Mass. Removable insole assembly for footwear. 2,559,014, July 3.

Fortin, Charles A., assignor to P. Pouliot, Cote des Neiges, Montreal, Quebec, Canada. Lighter construction. 2,559,497, July 3.

Fortner, James C. A., Greenville, Ala. Bottle carrier. 2,559,150, July 3.

Fouquet, Robert, Paris, France Production of liquid magnesium. 2,558,744, July 3.

Fouquet, Robert, Paris, France, Continuous production of volatilizable metals. 2,559,419, July 3.

Fox, Howard F.: *See*—
Jocsak, John, and Fox.

Frank, Paul A., Akron, Ohio. Tire curing apparatus and method. 2,559,119, July 3.

Frei, Jakob R., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Pump. 2,558,837, July 3.

Frenkel, Benjamin, administrator: *See*—
Frenkel, Gennady.

Frenkel, Elizabeth, administrator: *See*—
Frenkel, Gennady.

Frenkel, Gennady, deceased, Surbiton, by B. Frenkel, London, and E. Frenkel, Surbiton, England, administrators. Apparatus for manufacture of films and foils. 2,559,420, July 3.

Fried, Jacob, Bronx, N. Y. Collapsible camera. 2,559,214, July 3.

Friedman, Isidore I., Washington, D. C., and O. F. Tuttle, Kensington, Md. Selection of oriented seed plates for quartz synthesis. 2,558,745, July 3.

Fritzinger, George H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical indicating system. 2,558,945, July 3.

Fromson, Bertram W., Weybridge, Surrey, England. Reinforced cast structure. 2,558,946, July 3.

Fruehauf, Roy R.: *See*—
Steven, George, and Fruehauf.

Fryklund, Robert A., Somerville, and W. G. Gorton, Belmont, Mass., assignors to Raytheon Manufacturing Company. Electrical control system. 2,559,575, July 3.

Funk, Eugene, Preston, Nev. Casting reel. 2,559,215, July 3.

Funnekotter, H., curator in bankruptcy: *See*—
Malchus, Johannes A. C.

Furman, Frank J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Sheet and envelope feeding device. 2,558,947, July 3.

Gadomski, Walter, Thompsonville, Conn. Fabric clasp construction. 2,559,293, July 3.

Gair, Robert, Company, Inc., assignee: *See*—
Weiss, Arthur J.

Garber, John D., Cranford, W. J. Sparks, Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Preparing resins from diisobutylene and cracked petroleum condensates. 2,559,498, July 3.

Gardner Board and Carton Co., The, assignee: *See*—
Ringler, William A.

Garnich, Emil, Egg Harbor City, N. J. Machine for molding concrete blocks. 2,559,422, July 3.

Garrett, Jesse M., Longview, Tex. Umbrella for use on boats. 2,559,421, July 3.

Gaucher, Leon P., Mount Vernon, assignor to The Texas Company, New York, N. Y. Production of carbon monoxide and other gases from carbonaceous materials. 2,558,746, July 3.

Gauthier, Crosby, Chicago, Ill. Sound reproducing system and apparatus. 2,559,354, July 3.

Gaylord Container Corporation, assignee: *See*—
Rushing, Fred L., and Williams.

Gea, James, Joliet, Ill. Storm window. 2,558,719, July 3.

Gemberling Cameron H., and R. J. Altgelt, South Bend, Ind., assignors to The Oliver Corporation. Subsoil plow 2,558,948, July 3.

General Aniline & Film Corporation, assignee: *See*—
Von Glahn, William H., and Bergstrom.

General Electric Company, assignee: *See*—
Alger, Philip L.
Bluestein, Ben A.
Burkhard, Charles A.
Dalton, Bernard J.
Wightman, Lawrance W.

General Foods Corporation, assignee: *See*—
Kempf, Norman W., and Murer.

General Mills, Inc., assignee: *See*—
Roach, John R., and Wittcoff.
Terry, David E., and Wheeler.

General Precision Laboratory Incorporated, assignee: *See*—
Gillette, Frank N., and Lee.
Mercier, Edward G., and Hayek.
Palmer, James P.
Pourciau, Louis L.

General Railway Signal Company, assignee: *See*—
Blaisdell, Donald.
Bushnell, Charles S.
Field, Oscar S., Moore, and Craig.
Hewes, Ralph W.
Maenpaa, Wilho K.
Scheg, Marcain A.
Stephenson, James E.

General Steel Castings Corporation, assignee: *See*—
Meyer, William H.
Sheehan, William M.

Getzoff, Edward M., Red Bank, N. J. Safety guard for electric outlets. 2,559,151, July 3.

Gilbert, William I.: *See*—
Montgomery, Charles W., Gilbert, and Hazen.

Gillette, Frank N., and R. W. Lee, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Electronic switch circuit. 2,559,499, July 3.

Girdler Corporation, The, assignee: *See*—
Miller, Bruce D.

Girling Limited, assignee: *See*—
Mace, Thomas K.

Glick, Francis J.: *See*—
Liston, Thomas R., Spatz, Mazur, and Glick.

Globe Slicing Machine Co., Inc., assignee: *See*—
Lundell, Arnold W.

Gluckin, Gerald W., assignor to William Gluckin & Co., Inc., New York, N. Y. Brassière. 2,559,500, July 3.

Gluckin, William, & Co., Inc., assignee: *See*—
Gluckin, Gerald W.

Goddard, Ruth M., New York, N. Y. Detachable bust separator. 2,559,294, July 3.

Goebel, Max T., Rocky River, Ohio, J. W. Langston, La Porte, Tex., D. J. Loder, Wilmington, Del., and H. T. Siefen, Shaker Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of choral. 2,559,247, July 3.

Goldberg, Louis, Glen Cove, N. Y. Dispensing closure for collapsible containers with delayed-action, self-closing valve. 2,559,070, July 3.

Goldberg, Louis B., Denver, Colo. Film reel carrying case. 2,558,839, July 3.

Gondolfo, Joseph A.: *See*—
Bremer, Hermann F., and Gondolfo.

Goodman Manufacturing Company, assignee: *See*—
Holstein, John H.

Goodson, Luke B., Okmulgee, Okla., assignor to Phillips Petroleum Company. Treatment of catalytic gas oils. 2,558,838, July 3.

Gordon, Francis C., Littleover, assignor to Rolls-Royce Limited, Derby, England. Starting gear for internal-combustion engines. 2,558,840, July 3.

Gordon, Henry L., Delray Beach, Fla. Gear box for pumps. 2,558,841, July 3.

Gorman, Andrew T., Pitcairn, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Safety control equipment for fluid pressure brakes. 2,558,842, July 3.

Gorton, William G.: *See*—
Fryklund, Robert A., and Gorton.

Graf, Fred V., Los Angeles, Calif. Sanitary breast measuring device. 2,559,501, July 3.

Graff, Oscar F., Washington, D. C. Arc and center point locating instrument. 2,559,015, July 3.

Grant, John A., New Westminster, British Columbia, Canada. Fuel control device for internal-combustion engines. 2,558,843, July 3.

Gray, George F.: *See*—
Pratt, Verneur E., and Gray.

Gray, Vincent R., and H. Steiner, Eccles, assignors to Petrocarbon Limited, London, England. Photooxidation of aliphatic olefinic hydrocarbons. 2,558,844, July 3.

Green, Clarence J., assignor to Norton Company, Worcester, Mass. Piston grinding machine. 2,559,534, July 3.

Green, Philip, Seabrook, N. H., assignor to Seabrook Associates, Tyrone, Pa. Blanching nuts. 2,558,899, July 3.

Greenlee, Sylvan O., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky. Polymeric polyether polyhydric alcohols. 2,558,949, July 3.

Greenlee, William B., Denver, Colo. Electric lighting system. 2,558,747, July 3.

Greenmun, Leo S., Cleveland, Ohio. Ventilating system for vehicles. 2,559,120, July 3.

Gregory, Ernest, Hamden, Conn. Connector lug. 2,559,423, July 3.

Greist Manufacturing Company, The, assignee: *See*—
Connors, John.

Griffin, Ramon A., Oklahoma City, Okla. Safety razor. 2,559,189, July 3.

Grip, Erik K., assignor to Aktiebolaget Facit, Atvidaberg, Sweden. Full-stroke mechanism. 2,558,950, July 3.

Grosse, Aristid V., Haverford, Pa., and A. F. Reid, Dallas, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Isotope concentration process. 2,559,152, July 3.

Grossenbacher, Frank E., North Hollywood, Calif. Airplane washer. 2,559,295, July 3.

Grossmann, Marcus A., Pittsburgh, Pa., assignor to United States Steel Company. Determining hardenability of steel. 2,559,016, July 3.

Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Propeller shank forming press. 2,558,845, July 3.

Grupp, Wilhelm, Oberkochen, Germany, assignor to Conrad Wolfgang Schnyder, New York, N. Y. Saw. 2,559,355, July 3.

Guaranteed Buff Co., Inc., assignee: *See*—
Bahr, Henry H.

Guild, Lurelle, Darien, Conn., and R. K. Boadwee, Bronxville, assignors to Julius Kayser & Co., New York, N. Y. Hosiery size gauge. 2,558,846, July 3.

Gulbrandsen, Helge, and M. H. Ballard, Beverly, L. S. Linderoth, Jr., Wenham, and L. G. Knowles, Hamilton, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for applying pressure to shoe bottoms. 2,558,847, July 3.

Gulf Research & Development Company, assignee: *See*—
Capell, Robert G.
Montgomery, Charles W., Gilbert, and Hazen.

Günthart, Jacques: *See*—
Von Allmen, Samuel, Gutzwiller, and Günthart.

Guth, Edwin F., Company, The, assignee: *See*—
Guth, Edwin F., Jr.

Guth, Edwin F., Jr., Ladue, assignor to The Edwin F. Guth Company, St. Louis, Mo. Ceiling lamp fixture and continuous mounting arrangement therefor. 2,559,424, July 3.

Gutzwiller, Ernst: *See*—
Von Allmen, Samuel, Gutzwiller, and Günthart.

Hackmann, Johannes T., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Separation of sterols from mixtures. 2,559,153, July 3.

Hadley, Everett M., Riverside, Calif. Surge type vacuum pump. 2,559,502, July 3.

Haeff, Andrew V., Washington, D. C. Radio-frequency filter. 2,558,748, July 3.

Hagen, Clarence R., Memphis, Tenn., and D. B. Baker, Riverside, Ill., assignors to International Harvester Company. Cotton-picking apparatus receptacle and directing cotton thereinto. 2,558,951, July 3.

Hallstream, Harold H., Waquoit, Mass. Can handle. 2,559,190, July 3.

Haloid Company, The, assignee: *See*—
Mulloy, Lorne B., and Thompson.

Ham, George E.: *See*—
Chapin, Earl C., and Ham.

Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing copolymers of acrylonitrile. 2,559,154, July 3.

Hannum, John A., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Monofuel. 2,559,071, July 3.

Hansen, Augustus, Lakeside, Ariz. Pipe mold. 2,559,296, July 3.

Hansen, William C., Milwaukee, Wis. Storm sash ventilating assemblage. 2,559,535, July 3.

Hansen, William W., Stanford University, and J. R. Woodyard, Berkeley, Calif., assignors to The Sperry Corporation. High-frequency impedance transformer. 2,558,749, July 3.

Hansman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastener. 2,558,720, July 3.

Hanson, Henry G., Minneapolis, Minn. Artificial limb. 2,559,017, July 3.

Hanson, Wayne, assignee: *See*—
Truesdell, Robert S.

Happel, William E.: *See*—
Hollengreen, Milburn A., and Happel.

Haracz, Leocadia S., Clifton, N. J. Automotive antiskid device. 2,559,425, July 3.

Harcourt, George T., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Riveting machine for car roof construction. 2,559,248, July 3.

Hardgrove, Ralph M.: *See*—
Bailey, Ervin G., and Hardgrove.

Harlan, John L., Houston, Tex., assignor to Standard Oil Development Company. Nitrogenous derivatives of petroleum sulfonic acids. 2,559,503, July 3.

Harnischfeger Corporation, assignee: *See*—
Jacobs, Henry S.

Harrison, George D., assignor of two-thirds to W. F. and T. M. Courtis, and one-third to Courtis Trust, Detroit, Mich. Production of divided metals. 2,558,750, July 3.

Harrison, William H., Los Angeles, Calif. Mirror and making same. 2,558,848, July 3.

Hart, Norman E., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,559,566, July 3.

Hart, W. L., assignee: *See*—
Waring, Edward M.

Hartough, Howard D.: *See*—
Schick, John W., Hartough, and Badertscher.

Hartough, Howard D., Pitman, and S. J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparing simple tertiary thenylamines. 2,559,567, July 3.

Hasbrook, Jerome J. and R. R., Columbus, Ohio. Humidified receptacle for smoking tobaccos. 2,559,297, July 3.

Hasbrook, Robert R.: *See*—
Hasbrook, Jerome J. and R. R.

Haselton, Page S.: *See*—
Crockett, Robert E., and Haselton.

Hasselhorn, Walter C., and J. S. Baker, assignors to Cook Electric Company, Chicago, Ill. Arrester. 2,559,426, July 3.

Hasselwander, Claude F., assignor to Taylor-Sbantz, Inc., Rochester, N. Y. Drapery support. 2,559,072, July 3.

Hastings, George, New Liskeard, Ontario, Canada. Detachable road roller. 2,559,427, July 3.

Hayek, Arthur F.: *See*—
Mercier, Edward G., and Hayek.

Hayes, Frank A., Middletown, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Automatic pilot with frictional precision and electric follow-up control. 2,559,298, July 3.

Haynes, James D., Kilgore, Tex., and O. W. Lyons, Shreveport, La., assignors to The Dow Chemical Company, Midland, Mich. Lining wells. 2,559,536, July 3.

Haynie, Steven K., El Reno, Okla. Fishhook setter. 2,559,537, July 3.

Hayward, James R., Washington, Ind., assignor, by mesne assignments, to McCord Corporation, Detroit, Mich. Making heat exchange devices. 2,558,952, July 3.

Hazen, Stanley M.: *See*—
Montgomery, Charles W., Gilbert, and Hazen.

Head, Ralph B., Denver, Colo. Thermostat for water circulating systems. 2,559,073, July 3.

Healy, Joseph F.: *See*—
Hubbell, Harvey, and Healy.

Heaps, Joseph R., assignee: *See*—
Jackson, Lloyd W.

Hebert, Harold C., Tampa, Fla., assignor to American Can Company, New York, N. Y. Conveyer runway switch and control. 2,558,751, July 3.

Heckendorn, Alphonse: *See*—
Widmer, William, and Heckendorn.

Hedges, Lee M., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for insulating refrigerators and the like. 2,559,356, July 3.

Heimsch, Robert A.: *See*—
Emerson, William S., Shafer, and Heimsch.

Helling, Johannes H., Rotterdam, Netherlands. Conveying device. 2,559,299, July 3.

Hemphill Company, assignee: *See*—
St. Pierre, Eugene.

Henning, William W.: *See*—
Bechman, William O., and Henning.

Henninger, William, and H. J. Hollsberg, Ridgewood, N. J., assignors to International Business Machines Corporation, New York, N. Y. Record controlled register actuating mechanism. 2,558,953, July 3.

Henson, Robert L., Jr., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Seismographic prospecting apparatus. 2,558,954, July 3.

Henwood, James B., Bala-Cynwyd, assignor to Selas Corporation of America, Philadelphia, Pa. Gas burner with internal-combustion chambers. 2,559,504, July 3.

Hercules Powder Company, assignee: *See*—
Lewis, John R.

Herman Pneumatic Machine Company, assignee: *See*—
Johnston, Loyal L.

Hermetic Terminal Division of Van Engineering Company, assignee: *See*—
Skony, Sigmund J.

Hersey, Henry J., Jr., Chatham, N. J. Dust filter. 2,559,428, July 3.

Hertzberg, Philip, Cleveland, Ohio. Portable refrigerator. 2,559,121, July 3.

Hessel, Frederick A., Upper Montclair, and J. B. Rust, Montclair, N. J., assignors of one-half to Montclair Research Corporation and one-half to Ellis-Foster Company. Abrasive bodies and making same. 2,559,122, July 3.

Hewes, Ralph W., assignor to General Railway Signal Company, Rochester, N. Y. Flight progress board. 2,559,429, July 3.

Hewes, William L., Darby, Pa. Manicure and cutting device. 2,559,156, July 3.

Hewitt, Ellis E.: *See*—
May, Harry C., and Hewitt.

Heywood-Wakefield Company, assignee: *See*—
Lyon, John C.

Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Making duplicate magnetic phonograph records. 2,559,505, July 3.

Hilton, William W., Roslyn, N. Y. Container and display kit. 2,558,955, July 3.

Hinde & Dauch Paper Company, The, assignee: *See*—
Welshenbach, Charles D.

Hines, Joseph E., Washington, D. C. Window. 2,559,300, July 3.

Hinson, Odus C., Cramerton, assignor, by mesne assignments, to The Terrell Machine Company, Charlotte, N. C. Lap changer for combing machines. 2,559,074, July 3.

Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Separation of isoparaffins. 2,559,157, July 3.

Hoague-Sprague Corporation, assignee: *See*—
Sillars, George S.

Hodge, Alfred A., Maidstone, assignor to Holoplast Limited, New Hythe, near Maidstone, England. Apparatus for use in the manufacture of laminated tubes, tubular insulations, tubular bushings, and like tubular members from flexible strip material. 2,558,849, July 3.

Hofstadter, Robert, Forest Hills, assignor to The Norden Laboratories Corporation, New York, N. Y. Vertical velocity control for aircraft. 2,558,850, July 3.

Hollander, William L.: *See*—
Hubbard, David C., and Hollander.

Hollengreen, Milburn A., and W. E. Happel, assignors to Landis Tool Company, Waynesboro, Pa. Loading device. 2,559,430, July 3.

Hollengreen, Milburn A., and D. F. Price, assignors to Landis Tool Company, Waynesboro, Pa. Work loading device. 2,559,431, July 3.

Hollsberg, Herbert J.: *See*—
Henninger, William, and Hollsberg.

Holm, Sven, Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Regenerative heat exchanger. 2,558,752, July 3.

Holoplast Limited, assignee: *See*—
Hodge, Alfred A.

Holstein, John H., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding device for shaker conveyers. 2,558,753, July 3.

Holt, William J., Jr., Garland, Tex. Carrying case type folding table. 2,559,357, July 3.

Honorary Advisory Council for Scientific and Industrial Research, The, assignee: *See*—
McKay, Arthur F.

Hook, Wilfred H.: *See*—
Davies, John S. H., and Hook.

Hooker, Philip O.: *See*—
Norton, Calhoun, and Hooker.

Hooper, William J., Elsah, Ill., assignor, by mesne assignments, to W. C. Huebner, New York, N. Y. Electrostatic printing method and apparatus. 2,558,900, July 3.

Hooper, William J., Elsah, Ill., assignor, by mesne assignments, to W. C. Huebner, New York, N. Y. Electric printing system. 2,558,901, July 3.

Hooven, Frederick J., Dayton, Ohio. Fulcrum type ignition contact breaker. 2,559,568, July 3.

Horlacher, Albert F., Palatine, assignor to C. P. Clare & Company, Chicago, Ill. Rotary step switch. 2,559,075, July 3.

Horn, William D., and J. R. Ragazzini, New York, N. Y.: said Ragazzini assignor to said Horn. Automatic radio listener survey system. 2,558,754, July 3.

Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Saturable reactor phase shifter. 2,559,158, July 3.

Hossenlopp, Arthur M.: *See*—
Crowley, Henry L., and Hossenlopp.

Houdaille-Hershey Corporation, assignee: *See*—
Jandus, Herbert S.
Jandus, Herbert S., and Banta.

Houdry Process Corporation, assignee: *See*—
McKinney, Dwight D.

Hruby, Joseph, Chicago, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y. Removable lamp assembly for printing and developing apparatus. 2,559,159, July 3.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Fused cutout of the exposed link type. 2,558,956, July 3.

Hubbard, David C., and W. L. Hollander, assignors to A. B. Chance Company, Centralia, Mo. Fused drop-out cutout. 2,558,957, July 3.

Hubbell, Harvey, Long Hill, and J. F. Healy, assignors to Harvey Hubbell, Incorporated, Bridgeport, Conn. Rectifier tube socket. 2,558,755, July 3.

Hubbell, Harvey, Incorporated, assignee: *See*—
Hubbell, Harvey, and Healy.

Hudson, William H., Detroit, Mich. Infra-red oven structure. 2,559,249, July 3.

Huebner, William C., assignee: *See*—
Hooper, William J.

Hullhorst, William B., and R. A. Pim, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Apparatus for tightening caps. 2,559,358, July 3.

Hunter, George A., Los Angeles, Calif. Liquid dispensing apparatus. 2,559,432, July 3.

Hurd, Edwin P., assignor to Hurd Lock & Manufacturing Company, Detroit, Mich. Combined rod handle and fishing reel. 2,559,433, July 3.

Hurd Lock & Manufacturing Company, assignee: *See*—
Hurd, Edwin P.

Hussnigg, August C., Zurich, Switzerland. Device on machines manufacturing endless cable casings. 2,559,191, July 3.

Hutzelman, Howard E.: *See*—
Catlin, John P., Reynolds, and Hutzelman.

Hydrocarbon Research, Inc., assignee: *See*—
Keith, Percival C.

Hyland, Daniel F., St. Louis, Mo. Cutting guide for cutting fishing bait. 2,559,434, July 3.

Hyvonen, Erkki A., Helsinki, Finland. Saw set for buck-saw blades. 2,559,359, July 3.

I. T. E. Circuit Breaker Company, assignee: *See*—
Jensen, Otto.

Illinois Tool Works, assignee: *See*—
Poupitch, Ougljesa J.

International Business Machines Corporation, assignee: *See*—
Dicke, Oscar H.
Dickinson, Arthur H.
Durfee, Benjamin M.
Furman Frank J.
Henninger, William, and Hollsberg.
Johnson, Reynold B.
Lawson, Earl R.

International Harvester Company, assignee: *See*—
Bechman, William O., and Henning.
Bryan, Harry F.
Hagen, Clarence R., and Baker.
Johnson, Arnold E. W.

International Resistance Company, assignee: *See*—
Baggs, Robert N.

Interval Instruments, Inc., assignee: *See*—
Rieber, Frank.

Isometric Projections Limited (formerly Perspector Limited), assignee: *See*—
Moore, Donovan M.

Isenberg, Stanley, Chicago, Ill. Spray head. 2,559,559, July 3.

Isserstedt, Siegfried G., assignor to Corex Limited, Toronto, Ontario, Canada. Tachymetric sight. 2,559,435, July 3.

Isserstedt, Siegfried G., assignor to Corex Limited, Toronto, Ontario, Canada. Apparatus for measuring liquid contents of tanks. 2,559,436, July 3.

Itano, Takeo, Chicago, Ill. Pencil lead sharpening device. 2,558,902, July 3.

Jackson, Carey B., Forest Hills, and R. M. Bovard, Mars, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Oxygen generator. 2,558,756, July 3.

Jackson, Carter E., Sandoval, Ill. Automotive body and frame straightening apparatus. 2,559,250, July 3.

Jackson, Clyde H.: *See*—
Brady, Joseph G., and Jackson.

Jackson, Lloyd W., assignor of fifty per cent to J. R. Heaps, Hubbard, Ohio. Safety car step. 2,559,123, July 3.

Jacob, John G., Morton, Ill. Apparatus for pushing fish tape through conduits. 2,559,160, July 3.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Fastening means for switch terminals. 2,558,851, July 3.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Ignition switch lock. 2,558,852, July 3.

Jacobs, Henry S., assignor to Harnischfeger Corporation, Milwaukee, Wis. Motor speed control. 2,559,538, July 3.

Jacobus, David D.: *See*—
Beeber, Allan R. A., Jacobus, and Keuffel.

James, Delwin V., Houston, Tex. Spring support mechanism. 2,559,251, July 3.

Jandus, Herbert S., and W. Banta, assignors to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever structure. 2,558,958, July 3.

Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile hood lock assembly. 2,558,959, July 3.

Jansson, Gustav E., North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Multibreak gas blast circuit breaker with grounded operating motor. 2,558,757, July 3.

Jarige, André, Freyming, assignor to Societe Porte & Gardin, Pas de Calais, France. Extensible reciprocating conveyer. 2,559,192, July 3.

Järnhs Elektriska Aktiebolag, assignee: *See*—
Valtersson, Bo V.

Jaynes, Edwin T., Garden City, N. Y., assignor to The Sperry Corporation. Radio velocity indicator. 2,558,758, July 3.

Jaynes, Hal B., Lenoir, N. C. Electrically operated distributor. 2,559,437, July 3.

Jensen, Otto, Malvern, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit maker. 2,559,216, July 3.

Jocsak, John, Easton, and H. F. Fox, Bethlehem, Pa. Zigzag sewing machine. 2,559,438, July 3.

Joesting, Harry F., assignee: *See*—
Le Claire, Eugene J.

Johansson, Sven C.: *See*—
Ericsson, Ernst A., and Johansson.

Johns-Manville Corporation, assignee: *See*—
Hedges, Lee M.

Johnson, Arnold E. W., Oak Park, Ill., assignor to International Harvester Company. Hydraulic power transmitting device. 2,558,960, July 3.

Johnson, C. S., Company, The, assignee: *See*—
Martinson, Edwin O.

Johnson, Herbert B., Rochester, N. Y., assignor, by mesne assignments, to The Quaker Oats Company, Chicago, Ill. Cleaning coal. 2,559,076, July 3.

Johnson, Howard W., executor: *See*—
Johnson, Robert C., and Westerberg.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record controlled accumulating mechanism. 2,558,961, July 3.

Johnson, Robert C., deceased, Minneapolis, and C. G. Westerberg, Edina, Minn.; H. W. Johnson, executor of said R. C. Johnson. Resistance element and preparing same. 2,559,077, July 3.

Johnson, Robert H., Boston, Mass. Artificial ski chute. 2,558,759, July 3.

Johnston, Loyal L., Zelienople, assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa. Forming cast hollow articles. 2,559,161, July 3.

Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Polymerization with tetraborohypophosphoric acid catalyst. 2,559,576, July 3.

Jones, Harvey K., Parkville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Door control system. 2,559,301, July 3.

Jones, Robert C., Berkeley, and A. W. Clark, Oakland, assignors to Shell Development Company, San Francisco, Calif. Recovering sulfonates. 2,559,439, July 3.

Jones, Sylvester S., Sr.: *See*—
Brown, Herman N., and Jones.

Jordan, Wesley A., and S. H. Shapiro, assignors to Armour and Company, Chicago, Ill. Ester-amides of aminohydroxy compounds and derivatives thereof. 2,559,440, July 3.

Joy Manufacturing Company, assignee: *See*—
Curtis, John C.

Judd, Edwin G., Vancouver, Wash. Rotary drum reactor. 2,559,441, July 3.

Kamlet, Jonas: *See*—
Drew, Ernest F., Bissinger and Kamlet.

Kamp, Peter E., Walcott, Wyo. Tooth for sulky rakes. 2,559,252, July 3.

Kappeler, Hans, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Device for inserting corrections in a sequence of recorded intelligence. 2,558,853, July 3.

Kastner, Edward C., assignor to Akron Standard Mold Company, Akron, Ohio. Servicing machine for building tires. 2,558,903, July 3.

Kaye, Philip de B.: *See*—
Klepetko, Ernest, and Kaye.

Kayser, Julius, & Co., assignee: *See*—
Guild, Lurelle, and Boadwee.

Kehoe, Arthur H., Rutherford, N. J., assignor to Consolidated Edison Company of New York, Inc., New York, N. Y. Air-conditioning apparatus. 2,559,217, July 3.

Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Hydrocarbon synthesis. 2,558,760, July 3.

Keith, Wayland D.: *See*—
Thompson, Fred H., and Keith.

Kell, Ray D., Princeton, N. J., assignor to Radio Corporation of America. Television system. 2,559,078, July 3.

Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Reconditioning of phonographic records. 2,559,539, July 3.

Kempf, Norman W., Auburndale, Mass., and H. K. Murer, Summit, N. J., assignors to General Foods Corporation, New York, N. Y. Cacao process and product. 2,558,854, July 3.

Kempton, Leslie A., St. Petersburg, Fla., assignor to The Dole Valve Company, Chicago, Ill. Fluid valve structure. 2,558,962, July 3.

Kenney, Douglas J.: *See*—
Markham, Basil G., and Kenney.

Kentis, George E., Jr., Detroit, Mich., assignor to The Yoder Company, Cleveland, Ohio. Control system. 2,558,761, July 3.

Kerner, Leslie W., San Diego, Calif. Musical instrument for vocal amplifications. 2,559,124, July 3.

Keuffel, Carl W.: *See*—
Beeber, Allan R. A., Jacobus, and Keuffel.

Keuffel & Esser Company, assignee: *See*—
Beeber, Allan R. A., Jacobus, and Keuffel.
Schneider, Walter H.

Klein, Joseph R., Los Angeles, Calif. Louvered window. 2,559,442, July 3.

Klepetko, Ernest, Bauer, and P. de B. Kaye, Salt Lake City, assignors to Combined Metals Reduction Company, Stockton, Utah. Apparatus for roasting ores. 2,558,963, July 3.

Kliegl Bros. Universal Electric State Lighting Co., Inc., assignee: *See*—
Kliegl, Joseph.

Kliegl, Joseph, Queens Village, assignor to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Iris protection apparatus for high-intensity spotlights. 2,558,964, July 3.

Klingsberg, Erwin: *See*—
Papa, Domenick, Schwenk, and Klingsberg.

Knewstubb, Norman W., Solihull, and C. A. Robb, Moseley, Birmingham, England, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Rod comprising bonded fibrous material and making same. 2,558,855, July 3.

Knowles, Lloyd G.: *See*—
Gulbrandsen, Helge, Ballard, Linderoth, and Knowles.

Koehring Company, assignee: *See*—
Lichtenberg, Erich H.

Koenig, Fred, Tottenville, N. Y. Feeler gauge holder. 2,558,965, July 3.

Kohl, William R., Glenview, Ill. Window device for garment bags and like containers. 2,558,904, July 3.

Kohr, Donald A., Jr., Chicago, Ill., and R. L. Milde, La Fayette, Ind., assignors to The Sherwin-Williams Co., Cleveland, Ohio. Carrier material for agricultural chemicals. 2,558,762, July 3.

Korn, Waldemar H., Davenport, Iowa. Lubricating device. 2,559,041, July 3.

Kreisinger, Ella M., executrix: *See*—
Kreisinger, Henry.

Kreisinger, Henry, deceased; Piermont, N. Y.; by E. M. Kreisinger, executrix, Piermont, N. Y., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc. Ram feeder for burning wood refuse. 2,558,905, July 3.

Kues, William, Waskish, Minn. Calf weaner. 2,559,018, July 3.

Kuhler, Otto A., Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Room structure. 2,559,443, July 3.

Kulhavý, Bedřich, Revuca, Kupele, Czechoslovakia. Sanitary closet basin. 2,559,019, July 3.

Kurshan, Jerome, Princeton, N. J., assignor to Radio Corporation of America. Magnetron. 2,559,506, July 3.

Kurtz, Stewart S., Jr., Merion, and J. S. Sweely, Swarthmore, assignors to Sun Oil Company, Philadelphia, Pa. Thiourea-aldehyde sealing agents and making the same. 2,559,162, July 3.

Kurzweil, Robert, Kew Gardens, assignor to Morey Machinery Co., Inc., New York, N. Y. Machine tool. 2,559,360, July 3.

Laidley, Clarence D.: *See*—
Drane, Phillips B., and Laidley.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic developer dispensing element. 2,558,856, July 3.

Land, Edwin H., assignor to Polariod Corporation, Cambridge, Mass. Photographic developer element. 2,558,857, July 3.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic apparatus. 2,559,858, July 3.

Landes, Chester G.: *See*—
Maxwell, Charles S., and Landes.

Landis Tool Company, assignee: *See*—
Hollengreen, Milburn A., and Happel.
Hollengreen, Milburn A., and Price.

Lane, Edward K., Jr., Denver, Colo. Sewing spacer for buttons. 2,558,966, July 3.

Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Receptacle closure. 2,559,361, July 3.

Langfeld, Edward H., Perth Amboy, N. J. Drinking vessel having means for cutting open and holding a metallic container. 2,559,362, July 3.

Langston, James W.: *See*—
Goebel, Max T., Langston, Loder, and Siefen.

Larson, Bennie L., St. Louis, Mo. Adjustable can punch. 2,559,560, July 3.

Lawson, Earl R., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Differentially operable accumulating mechanism. 2,558,967, July 3.

Le Blond, R. K., Machine Tool Company, The, assignee: *See*—
Waterson, Arthur P.

Le Claire, Eugene J., assignor to H. F. Joesting, St. Paul, Minn. Cabinet door. 2,559,193, July 3.

LeCroy, Donald B., Des Moines, Iowa. Automatic headlight control. 2,558,969, July 3.

Lee, Chite S.) Detroit, Mich. Hydraulic unit. 2,559,125, July 3.

Lee, Leighton, II, Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Apparatus for controlling the intake manifold pressure of internal-combustion engines. 2,558,968, July 3.

Lee, Norman E., Forest Hills, N. Y., assignor to the United States of America as represented by the Secretary of War. Flexible member. 2,558,763, July 3.

Lee, Richard W.: *See*—
Gillette, Frank N., and Lee.

Lee, Robert J.: *See*—
May, Paul D., Adams, and Lee.

Leeson, George W. T., assignor to Wallington Weston & Company Limited, Frome, Somerset, England. Manufacture of golf balls. 2,558,860, July 3.

Le Fevre, Walter J.: *See*—
Britton, Edgar C., and Le Fevre.

Lefkowitz, Joseph, Brooklyn, N. Y. Razor. 2,558,859, July 3.

Lehmkuhl, Joakim, Watertown, Conn. Ski binding. 2,559,020, July 3.

Leitz, Ernst, G. m. b. H., assignee: *See*—
Engelmann, Max.

Leja, Casimir E., Chicago, Ill. Engine. 2,559,079, July 3.

Leon, Peter R., Schooleys Mountain, N. J. Trailer hitch. 2,558,906, July 3.

Leonard, John M., Cedar Rapids, Iowa. Folding dinette table and benches. 2,559,021, July 3.

Levor, G., & Co., Inc., assignee: *See*—
Bernard, Harold A.

Lewis, John R., assignor to Hercules Powder Company, Wilmington, Del. Reclamation of rubber in the presence of α,α-dialkylarylmethyl hydroperoxide. 2,558,764, July 3.

Lewis, Walter A., Syracuse, Kans. Quick-detachable insulator. 2,559,218, July 3.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Drake, John L.
Drake, John L., and Pearse.
Morris, Joseph R.
Pearse, John P.

Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. High-discharge and low-charging mixer. 2,558,765, July 3.

Lien, Carl B., Chicago, Ill., assignor to Lien Chemical Company. Odorant dispenser. 2,559,126, July 3.

Lien Chemical Company, assignee: *See*—
Lien, Carl B.

Liggett, Philip T., Harvey, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for production of acetylene and other hydrocarbons. 2,558,861, July 3.

Linderoth, Lambert S., Jr.: *See*—
Gulbrandsen, Helge, Ballard, Linderoth, and Knowles.

Lindsey, Marion, Corpus Christi, Tex. Tea sirup and making same. 2,559,194, July 3.

Lingen, Ralph A., and L. E. Cross, Milwaukee, Wis. Heating-system controller. 2,559,253, July 3.

Link Aviation, Inc., assignee: *See*—
Baker, Raymond S.
Decker, George A.

Lipfert, Donald E., Meriden, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Seal for rotary fuel pumps. 2,558,970, July 3.

Liston, Thomas R., Hamburg, S. M. Spatz, Middletown, R. A. Mazur and F. J. Glick, Buffalo, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of brominated phthalic anhydride. 2,558,862, July 3.

Locke, Arthur A., Detroit, Mich. Egg cooker. 2,559,444, July 3.

Lockheed Aircraft Corporation, assignee: *See*—
McBrearty, Jerome F.

Locomotive Finished Material Company, The, assignee: *See*—
Stahl, Leslie W., and Young.

Loder, Donald J.: *See*—
Goebel, Max T., Langston, Loder, and Siefen.

Loikema, Jan, Hoogezand, assignor to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Dry infant food. 2,559,022, July 3.

Loroco Industries Incorporated, assignee: *See*—
Tomarin, Harry A.

Lotz, John A., Allison Park, assignor to The Union Switch & Signal Company, Swissvale, Pa. Removing scale from steel. 2,559,445, July 3.

Louft, Nathan, Silver Spring, Md. Sign post. 2,559,302, July 3.

Lowenthal, Julius, London, and C. W. Moore, Leeds, assignors to Colibri Lighters Limited, London, England. Combined cigarette case and friction lighter. 2,559,303, July 3.

Lucas, Fred C., and R. P. Lucas, Los Angeles, Calif. Knee joint for artificial limbs. 2,559,446, July 3.

Lucas, Roy P.: *See*—
Lucas, Fred C., and R. P.

Ludeman, Clifford G., Scarsdale, assignor to Texaco Development Corporation, New York, N. Y. Detection and measurement of penetrative radiation. 2,559,219, July 3.

Lukasiewicz, Sigmund J.: *See*—
Hartough, Howard D., and Lukasiewicz.

Lundell, Arnold W., East Portchester, assignor to Globe Slicing Machine Co., Inc., Stamford, Conn. Motor and gauge plate control for slicing machines. 2,558,766, July 3.

Lundell, Arnold W., East Portchester, assignor to Globe Slicing Machine Co., Inc., Stamford, Conn. Inclined guide for slicing machine chutes. 2,558,767, July 3.

Lundquist, Lars B., assignor to Svenska-Skifferolje Aktiebolaget, Narkes-Kvarntorp, Sweden. Refining petrol. 2,558,863, July 3.

Lundstrom, Ida, St. Louis, Mo. Cigarette ash and stub compact. 2,559,254, July 3.

Lundstrum, Allan W., Maplewood, N. J. Water heater. 2,558,971, July 3.

Lundvall, John S., Park Ridge, Ill., assignor to Union Asbestos & Rubber Company. Latch for refrigerator car doors. 2,559,304, July 3.

Lyon, John C., Upper Darby, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass. Adjustable foot and leg rest for car seats. 2,559,127, July 3.

Lyons, Orlin W.: *See*—
Haynes, James D., and Lyons.

MacAllister, John L., Pasadena, Calif. Fishing leader. 2,559,080, July 3.

Macdonald, Wallace, Long Beach, Calif. Identification and signaling device for vehicles. 2,559,163, July 3.

Mace, Thomas K., assignor to Girling Limited, Birmingham, England. Vehicle brake. 2,559,363, July 3.

MacVeigh, James, New York, N. Y., assignor to Patentes Talgo, S. A., Madrid, Spain. Articulated railway vehicle. 2,559,340, July 3.

Madland, Thorvald, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Crank means for laterally movable doors. 2,559,447, July 3.

Maenpaa, Wilho K., assignor to General Railway Signal Company, Rochester, N. Y. Alternating current vane relay. 2,559,448, July 3.

Malchus, Johannes A. C., Amsterdam, Netherlands; D. G. Veth and H. Funnekotter, curators in bankruptcy, assignors to R. Torin, London, England. Vacuum cleaner with selective nozzles and brushes. 2,558,864, July 3.

Malsbary Manufacturing Company, assignee: *See*—
Taylor, Walter W.

Mangold, Jacob A., Lebanon, Oreg. Bag tying device. 2,559,449, July 3.

Mangold, Michael, Frankenau, near Aspang, Austria, and F. Neuber, deceased, late of Vienna, Austria, by H. Neuber, administratrix, Vienna, Austria. Manufacture of tanning substances. 2,559,305, July 3.

Manseau, David O., Berkley, Mich. Pump. 2,559,255, July 3.

Marathon Corporation, assignee: *See*—
Bonini, John H.

Marinkovich, Mary, Barberton, Ohio. Preparing and canning cabbages. 2,559,081, July 3.

Markham, Basil G., and D. J. Kenney, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Cowl for air-cooled internal-combustion engines for aircraft. 2,558,865, July 3.

Marsh, Gerald M., Liberty, Mo. Window shade assembly. 2,559,306, July 3.

Martin, Eugene, Wesleyville, Pa., assignor to Read Standard Corporation. Coal pusher. 2,559,541, July 3.

Martinson, Edwin O., assignor to The C. S. Johnson Company, Champaign, Ill. Batcher control mechanism. 2,559,307, July 3.

Martinson, Edwin O., assignor to The C. S. Johnson Company, Champaign, Ill. Compensating weighing device. 2,559,308, July 3.

Maryland Plastics, Inc., assignee: *See*—
Penrod, Allen M.

Mashinter, William H., Chicago, Ill. Fuel injector. 2,559,364, July 3.

Master Electric Company, The, assignee: *See*—
Darnell, Victor L.

Matheny, William F., assignor to Arrow Industrial Manufacturing Company, Tulsa, Okla. Tie bar for heat exchange headers. 2,559,256, July 3.

Mathews, Sam D., Houston, Tex. Copyholder. 2,559,082, July 3.

Maxwell, Charles S., Old Greenwich, and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Manufacture of cellulose products of improved wet strength. 2,559,220, July 3.

Maxwell, Charles S., Old Greenwich, and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Manufacture of wet strength paper. 2,559,221, July 3.

May, Harry C., East McKeesport, and E. E. Hewitt, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Gas turbine plant. 2,558,866, July 3.

May, Harry C., East McKeesport, and E. E. Hewitt, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Door operating mechanism. 2,558,867, July 3.

May, Paul D., Galveston, L. M. Adams and R. J. Lee, La Marque, assignors to Pan American Refining Corporation, Texas City, Tex. Decolorization of polyolefinic hydrocarbon drying oils. 2,559,083, July 3.

May, Thomas L., assignor to Reliance Hydraulic Press, Inc., New York, N. Y. Control for presses. 2,559,195, July 3.

Mayer, Urbin B., Robbinsdale, Minn. Portable hoist. 2,559,450, July 3.

Mazur, Raymond A.: *See*—
Liston, Thomas R., Spatz, Mazur, and Glick.

McAllister, Donald E., assignor of one-half to V. Enos, Coulee Dam, Wash. Cooling and air conditioning device. 2,559,164, July 3.

McBrearty, Jerome F., North Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Landing gear with drag strut dynamic damper. 2,559,451, July 3.

McCarty, Malcolm D., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Seismic recording system. 2,558,868, July 3.

McColm, William L., Denver, Colo. Recovering waste cooking oils. 2,558,869, July 3.

McCord Corporation, assignee: *See*—
Hayward, James R.

McCormick, Clarence E., Poland, Ohio. Counting toy. 2,559,309, July 3.

McCormick, Gordon M., Spokane, Wash. Thermometer holder releasably attachable to bedposts. 2,558,768, July 3.

McCoy, Marcus A., Los Angeles, assignor to United Geophysical Company, Inc., Pasadena, Calif. Phase modulation. 2,559,023, July 3.

McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 2,559,128, July 3.

McFarlin, John R., assignor to Electric Service Manufacturing Company, Philadelphia, Pa. Electrical disconnector. 2,559,024, July 3.

McGlade, Hugh B., Columbus, Ohio. Illuminated fishing float. 2,559,084, July 3.

McGraw Electric Company, assignee: *See*—
Schultz, William O.

McKay, Arthur F., Kingston, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Preparation of N-substituted N'-nitro-guanidines. 2,559,085, July 3.

McKinney, Dwight D., Drexel Hill, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Control of hydrocarbon reactions in moving solids contacting systems. 2,558,769, July 3.

McKnight, Stewart, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Pile fabric loom. 2,559,507, July 3.

McLaren, George E., Denver, Colo. Device for administering enemata. 2,559,086, July 3.

McLaughlin, George H., and W. A. Robinson, assignors to The McPhar Engineering Company of Canada Limited, Toronto, Ontario, Canada. Portable electromagnetic clinometer. 2,558,972, July 3.

McLaughlin Gormely King Company, assignee: *See*—
Moore, Joseph B.

McLellan, Marvin N., Cleveland, Ohio. Steerable sled. 2,559,452, July 3.

McMillan, Edward B.: *See*—
Olson, Arthur R., and McMillan.

McNavage, John P., McKees Rocks, assignor to Pittsburgh Steel Products Company, Pittsburgh, Pa. Collapsible cover for vehicles. 2,559,310, July 3.

McNeil Machine and Engineering Company, The, assignee: *See*—
Soderquist, Leslie E.

McPhar Engineering Company of Canada Limited, The, assignee: *See*—
McLaughlin, George H., and Robinson.

Meade, Richard K.: *See*—
Peebles, David D., Clary, and Meade.

Meaker, John W., New York, N. Y. Ventilated shoe. 2,558,973, July 3.

Mecklenburger, Josephine P., Highland Park, Ill. Method and apparatus for use in knitting. 2,558,974, July 3.

Medved, Nicholas J., Bellevue, Pa. Time saver frying pan lid. 2,559,196, July 3.

Meier, Edwin H., Tulsa, Okla., assignor to Standard Oil Development Company. Time-delay relay circuits. 2,559,508, July 3.

Meissner & Landauer, assignee: *See*—
Meissner, Walter A.

Meissner, Walter A., assignor to Meissner & Landauer. Feeding Hills, Mass. Setup gauge for adjusting turret ram feed stop mechanism. 2,559,311, July 3.

Mercier, Edward G., Flushing, and A. F. Hayek, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Intermittent movement. 2,559,509, July 3.

Mercier, Jean, New York, N. Y. Accumulator. 2,558,770, July 3.

Merck & Co., Inc., assignee: *See*—
Sarett, Lewis H.
Sarett, Lewis H.

Merco Centrifugal Co., assignee: *See*—
Merrill, John L., and Botke.

Merrill, John L., San Francisco, and W. A. Botke, Berkeley, assignors to Merco Centrifugal Co., San Francisco, Calif. Centrifuge construction. 2,559,453, July 3.

Mesa, Joseph O., Bayside, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill. Capacitor type translating system having a varying reactance. 2,559,454, July 3.

Metal & Thermit Corporation, assignee: *See*—
Coffeen, William W.

Meyer, Robert N., Chicago, Ill. Coding device. 2,559,455, July 3.

Meyer, William H., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,559,456, July 3.

Mialhe, Marcel, Vabre, France. Multiple lathe. 2,559,025, July 3.

Micha, Louis, Monaco, Monaco. Telephone switchboard. 2,559,561, July 3.

Michelman, Nathan, Brooklyn, N. Y. Marine light unit. 2,558,870, July 3.

Middaugh, Dennis A., Jersey City, N. J., and W. M. Schichtell, Putnam Lake, N. Y. Spherical grinding apparatus. 2,558,771, July 3.

Middleton, Carl W.: *See*—
Middleton, Earl F. and C. W.

Middleton, Earl F., New Rochelle, and C. W. Middleton, Larchmont, N. Y. Apparatus for reforming thermoplastic sheets. 2,559,365, July 3.

Mikeska, Louis A., and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Synthetic lubricants. 2,559,510, July 3.

Milde, Roy L.: *See*—
Kohr, Donald A., Jr., and Milde.

Miller, Bruce D., assignor to The Girdler Corporation, Louisville, Ky. Method and apparatus for removing gaseous and readily vaporizable materials from liquids. 2,559,129, July 3.

Miller, Elmer E., Millersburg, Pa. Trigger mechanism. 2,558,871, July 3.

Miller, Elmer E., Millersburg, Pa. Set trigger mechanism. 2,558,872, July 3.

Miller, Ernest C. C., Laurelton, N. Y. Flight attachment. 2,559,026, July 3.

Miller Pottery Engineering Company, assignee: *See*—
Edgar, David M.

Miller, Wallace W., El Cajon, Calif. Clothesline support and tightener. 2,559,130, July 3.

Miller, William A., Port Jefferson, N. Y., assignor to Radio Corporation of America. Object detection system utilizing radio pulses. 2,559,511, July 3.

Milner, Fred E., Ossian, Ind. Automatic locking coupling pin. 2,558,907, July 3.

Mine safety Appliances Company, assignee: *See*—
Jackson, Carey B., and Bovard.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.

Mining Process and Patent Company, assignee: *See*—
Bailey, Thomas S., Jr.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Brady, Joseph G., and Jackson.
Schuck, Oscar H.
Wannamaker, William H., Jr.
Wills, Walter P.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Nestor, Leonard R.

Mintner, Corban, assignor of forty-nine per cent to H. Slazinik, St. Louis, Mo. Fish lure. 2,559,542, July 3.

Miralta-Selx, Eduardo, Barcelona, Spain. Chamber pot for children. 2,559,027, July 3.

Mizzy, Inc., assignee: *See*—
Reasenberg, Julian R.

Mohawk Carpet Mills, Inc., assignee: *See*—
McKnight, Stewart.

Mojonnier Bros. Co., assignee: *See*—
Cross, Joseph A.

Mollis, Charles L., Los Angeles, Calif. Stitching device. 2,558,873, July 3.

Molnar, Imre, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Carrier current telephone system. 2,559,165, July 3.

Monsanto Chemical Company, assignee: *See*—
Chapin, Earl C., and Ham.
Dazzi, Joachim.
Emerson, William S., Shafer, and Heimsch.
Ham, George E.
Morneri, Richard R., and Mowry.
Myers, Raymond R.

Montclair Research Corporation, assignee: *See*—
Hessell, Frederick A., and Rust.

Montgomery, Charles W., and W. I. Gilbert, Oakmont, and S. M. Hazen, Indiana Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Hydrodesulfurization of petroleum hydrocarbons. 2,559,457, July 3.

Moore, Cecil W.: *See*—
Lowenthal, Julius, and Moore.

Moore, Donovan M., assignor to Isometric Projections Limited (formerly Perspector Limited), Bristol, England. Perspective drafting machine. 2,559,222, July 3.

Moore, Edmund W.: *See*—
Field, Oscar S., Moore, and Craig.

Moore, Joseph B., Edina, assignor to McLaughlin Gormley King Company, Minneapolis, Minn. Insecticidal and acaricidal compositions comprising propylene glycol and an alkali ammonium seleno sulfide. 2,558,772, July 3.

Moore, Laurence L.: *See*—
Winslow, Charles A., Nostrand, and Moore.

Moore Special Tool Co., Inc., assignee: *See*—
Victory, Frederick C.

Moreno, Anthony J., Elmhurst, and C. L. Fenn, Flushing, N. Y., assignors to Edo Corporation. Combined door and ladder in the side of a craft. 2,558,975, July 3.

Morey Machinery Co., Inc., assignee: *See*—
Kurzweil, Robert.

Morgan, Jeremiah M., Cranbury, N. J., assignor to Radio Corporation of America. Deflection circuit arrangement. 2,559,512, July 3.

Morner, Richard R., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Styrene copolymers. 2,559,166, July 3.

Morris, Joseph R., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for breaking scored glass sheets. 2,559,366, July 3.

Morrison, Robert S.: *See*—
Boegly, William J., Bennett, Morrison, and Powell.

Morrison, Willard L., Highland Park, Ill. Refrigerator. 2,559,367, July 3.

Mowry, David T.: *See*—
Morner, Richard R., and Mowry.

Muench, Carl G., Glenview, assignor to The Celotex Corporation, Chicago, Ill. Apparatus for the manufacture of brick siding. 2,559,543, July 3.

Muller, Robert A., New London, N. H., assignor to Atlas Plywood Corporation, Boston, Mass. Machine for making packing cases. 2,558,874, July 3.

Mulloy, Lorne B., and R. H. Thompson, Irondequoit, assignors to The Haloid Company, Rochester, N. Y. Apparatus for controlling the thickness of a coating on a traveling web. 2,558,773, July 3.

Murer, Harvey K.: *See*—
Kempf, Norman W., and Murer.

Murray, William, Jackson Heights, N. Y. Sliding clamp. 2,559,223, July 3.

Mycalex Corporation of America, assignee: *See*—
Richardson, Henry M.

Myers, Raymond R., New York, N. Y., assignor to Monsanto Chemical Company, St. Louis, Mo. Polysilicon oxyhalides. 2,559,167, July 3.

N. V. Hollandsche Constructie Werkplaatsen, assignee: *See*—
Van Iterson, Frederik K. T.

Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, assignee: *See*—
Lolkema, Jan.

Nash-Kelvinator Corporation, assignee: *See*—
Doeg, Ralph W.
Phillipp, Lawrence A.

Nash, William S.: *See*—
Zahner, Hubert S., and Nash.

National Biscuit Company, assignee: *See*—
Tascher, Eugene S.

National Lead Company, assignee: *See*—
Walner, Eugene.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Bowman, David F.
Shedlovsky, Theodore.

Nestor, Leonard R., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Starch adhesive sheet material and composition therefor. 2,559,043, July 3.

Neuber, Fritz: *See*—
Mangold, Michael, and Neuber.

Neuber, Hilda, administratrix.: *See*—
Mangold, Michael, and Neuber.

Newsom, James B., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crossbar tandem office for telephone systems. 2,559,312, July 3.

Nicholson, Frank H.: *See*—
Blosser, Herman G., and Nicholson.

Niles-Bement-Pond Company, assignee: *See*—
Barr, John M.
Lee, Leighton, II.
Lipfert, Donald E.

Nonkes, Thomas E.: *See*—
Dillman, Earnest J., and Nonkes.

Norden Laboratories Corporation, The, assignee: *See*—
Hofstadter, Robert.

Nordquist, Ronald E. J., Maplewood, and F. F. Borkmann, Union, N. J., assignors to American Can Company, New York, N. Y. Discharge conveyer mechanism for articles. 2,558,774, July 3.

Nordstrom, Hjalmar T., Dearborn, Mich. Illuminated artificial flower vase. 2,559,313, July 3.

Norris, George G., River Rouge, Mich. Fish lure. 2,559,042, July 3.

Northcutt, Robert T., Westfield, and R. T. Northcutt, Jr., Fanwood, N. J., assignors to Northcutt Research Corporation, New York, N. Y. Treatment of sugar. 2,558,775, July 3.

Northcutt Research Corporation, assignee: *See*—
Northcutt, Robert T. and R. T., Jr.

Northcutt, Robert T., Jr.: *See*—
Northcutt, Robert T. and R. T., Jr.

Norton, Calhoun, and P. O. Hooker, assignors to Arens Controls, Inc., Chicago, Ill. Releasable manual control. 2,559,197, July 3.

Norton Company, assignee: *See*—
Belden, Albert G.
Green, Clarence J.

Nostrand, William G: *See*—
Winslow, Charles A., Nostrand, and Moore.

Numbers, William, Huntington, N. Y. Closure for a container neck and a measuring cup detachably secured in said neck by said closure. 2,559,168, July 3.

Nutone, Incorporated, assignee: *See*—
Alexander, Lowell M.

Oberman, Roelof M. M., The Hague, Netherlands. Termination for telegraph lines. 2,559,562, July 3.

Oberwegner, Alfred R., Los Angeles, Calif. Washing machine supporting carriage. 2,559,028, July 3.

Obey, James H., Pittsburgh, Pa., assignor to J. R. Short Milling Company, Chicago, Ill. Method and apparatus for extracting proteins. 2,559,257, July 3.

Oestrich, Hermann, H. Rosskopf, A. Renner, and J. Valter, Decize, France, said Rosskopf, said Renner, and said Valter assignors to said Oestrich. Hollow blade for gas turbines and the like. 2,559,131, July 3.

Ogden, Wilbert F., Pittsburgh, Pa. Floor construction. 2,559,198, July 3.

O'Leary, Charles M., Los Angeles, Calif. Rotary hydrokinetic torque converter with cooling system. 2,558,976, July 3.

Oliver Corporation, The, assignee: *See*—
Gemberling, Cameron H., and Altgelt.

Olson, Arthur R., Cambridge, and E. B. McMillan, Salem, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Welting of styrene-butadiene copolymer. 2,558,776, July 3.

Olson, Charles S., Gulfport, Miss. Apparatus for cutting bodies to a polygonal contour. 2,559,258, July 3.

Olson, Emil H.: *See*—
Sturgis, Howard W., and Olson.

Orloff, Harold D., Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Manufacture of benzene hexachloride. 2,559,569, July 3.

Orr, Eugene L., Orlando, Fla. Toy parachute and projector therefor. 2,559,458, July 3.

Osborne Frank, Adlington, near Macclesfield, assignor to Wm. Ayrton & Company, Limited, Manchester, England. Skein winding machine. 2,559,314, July 3.

Osmun, Dean W., Houston, Tex. Packer assembly for overshots. 2,559,315, July 3.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Stalego, Charles J.

Owens-Illinois Glass Company, assignee: *See*—
Hullhorst, William B., and Pim.

Paasche, Jens A., Chicago, Ill. Multicolor spray gun. 2,559,544, July 3.

Pace, Charles N., and E. O. Decker, Cumberland, Wis. Artificial limb. 2,559,044, July 3.

Packard Motor Car Company, assignee: *See*—
McFarland, Forest R.

Padbury, John J.: *See*—
Schneider, William C., and Padbury.

Paff, George O., assignee: *See*—
Doschek, Antony.

Paige, Isaac A., Chicago, Ill. Circuit breaker switch. 2,558,908, July 3.

Palmer, James P., Ames, Iowa, assignor to General Precision Laboratory Incorporated. Servo system with saturable core component. 2,559,513, July 3.

Pan American Refining Corporation, assignee: *See*—
May, Paul D., Adams, and Lee.

Pancratz, Frank J., Park Ridge, Ill. Bag forming and sealing machine. 2,559,368, July 3.

Pana, Domenick, Brooklyn, N. Y., E. Schwenk, and E. Klingsberg, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Halogenated hydroxystilbazoles and derivatives thereof. 2,558,777, July 3.

Parke, Davis & Company, assignee: *See*—
Banks, Clarence K., and Controulis.

Parker, Clarence O., Shawnee, Okla. Arm shackle. 2,559,514, July 3.

Parker, Louis W., Little Neck, N. Y. Sweep circuit for television receivers. 2,559,316, July 3.

Parsons, Don, assignee: *See*—
Truesdell, Robert S.

Partlot, Maurice, New York, N. Y. Collapsible wheeled vehicle. 2,558,909, July 3.

Pass & Seymour, Inc., assignee: *See*—
Despard, Victor R.

Patentes Talgo, S. A., assignee: *See*—
MacVeigh, James.

Patterson Foundry & Machine Co., The, assignee: *See*—
Ford, Eardley H.

Peacock, John D., Sr., Westville, N. J. Garment hanger. 2,558,910, July 3.

Pearse, John P.: *See*—
Drake, John L., and Pearse.

Pearse, John P., Swanton, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for contouring surfaces. 2,558,778, July 3.

Pearson, Frank G., Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del. Fluorine substituted amines. 2,558,875, July 3.

Pearson, John M., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Readily locatable magnetic godevil. 2,558,977, July 3.

Peebles, David D., Hillsborough, P. D. Clary, Jr., Petaluma, and R. K. Meade, Santa Rosa, assignors to Western Condensing Company, San Francisco, Calif. Vegetable treatment process. 2,559,459, July 3.

Pelton Water Wheel Company, The, assignee: *See*—
Arata, George V.

Pemberton, John T., Oklahoma City, Okla. Artificial fish lure. 2,559,169, July 3.

Penn Products, Inc., assignee: *See*—
Penn, William A.

Penn, William A., Bothell, Wash., assignor to Penn Products, Inc., Tomahawk, Wis. Clothes hanger for automotive vehicles. 2,558,911, July 3.

Penrod, Allen M., assignor to Maryland Plastics, Inc., Federalsburg, Md. Machine for molding. 2,559,545, July 3.

Perfection Stove Company, assignee: *See*—
Townley, Holden B.

Perkins, Hubert, Columbia, S. C. Plural armature relay. 2,559,199, July 3.

Perkins, Ralph P., assignor to The Dow Chemical Company, Midland, Mich. 3-pyridoxy-alkanoic acid compounds. 2,559,546, July 3.

Perlstein, David, New Rochelle, assignor to Rona Laboratories Inc., Mt. Vernon, N. Y. Stand. 2,559,317, July 3.

Pesce, Joseph D., Alexandria, Va. Oil burner. 2,558,779, July 3.

Pétel, Louis L. L., Levallois Perret, France. Combined lighting device and radio receiver or loudspeaker. 2,559,045, July 3.

Peters, Norman J., and K. W. Klentje, assignors to Damrow Brothers Company, Fond du Lac, Wis. Valve. 2,559,046, July 3.

Peterson, Edward T., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Piling equipment for structural material. 2,559,460, July 3.

Petrocarbon Limited, assignee: *See*—
Gray, Vincent R., and Steiner.

Pettit, Frank, Union, N. J. Nursing bottle holder. 2,558,978, July 3.

Phelps Dodge Corporation, assignee: *See*—
Arbiter, Nathaniel, and Young.

Philco Corporation, assignee: *See*—
Cheney, Oliver F.

Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,559,087, July 3.

Phillips, Harry F., assignor to Baush Machine Tool Company, Springfield, Mass. Transfer mechanism. 2,559,369, July 3.

Phillips Petroleum Company, assignee: *See*—
Benedict, Bruce C.
Douce, William C.
Goodson, Luke B.

Piazze, Thomas E., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Tobacco pouch and making same. 2,558,780, July 3.

Pichette, John J., Whitinsville, Mass. Bobbin spindle construction. 2,559,461, July 3.

Pickett, Herbert, Houston, Tex. Micrometer caliper with ball pivot and cam. 2,559,170, July 3.

Pierce, Clayton B., assignor to Emerol Manufacturing Co., Inc., New York, N. Y. Internal-combustion engine liquid feeding system. 2,558,979, July 3.

Pierce, Earle C., Middlebury, Conn. Trimming board. 2,559,088, July 3.

Pim, Richard A.: *See*—
Hullhorst, William B., and Pim.

Pinkham, Frederick O., Falls Church, Va. Kite rudder. 2,558,980, July 3.

Pioneer Electric and Research Corp., The, assignee: *See*—
Ress, Thomas I.

Pirnie, Malcolm, Scarsdale, assignor to Research Corporation, New York, N. Y. Method and apparatus for separating oxidizable materials from liquids by oxygenation and aerobic biochemical action. 2,559,462, July 3.

Pittsburgh Steel Products Company, assignee: *See*—
McNavage, John P.

Plax Corporation, assignee: *See*—
Bailey, James.

Plimmer, Alfred G., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Pattern controlled machine tool. 2,559,089, July 3.

Polaroid Corporation, assignee: *See*—
Land, Edwin H.

Pollard, John D., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Treating water-swollen polymers. 2,558,781, July 3.

Poloron Products, Inc., assignee: *See*—
Brown, Joseph D.

Polymer Corporation, The, assignee: *See*—
Stott, Louis L.

Popkin, Alexander H.: *See*—
Smith, Paul V., Jr., and Popkin.

Porter, Percy L., and A. D. Armstrong, Los Angeles, Calif. Locking device. 2,559,047, July 3.

Potter, Ray M., Minneapolis, Minn. Electrochemical proportioning apparatus. 2,559,090, July 3.

Pouliot, Paul, Cote des Neiges, assignee: *See*—
Fortin, Charles A.

Poupitch, Ongljesa J., assignor to Illinois Tool Works, Chicago, Ill. Drive fastener. 2,559,570, July 3.

Pourciau, Louis L., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. High-fidelity amplifier. 2,559,515, July 3.

Powell, Charles: *See*—
Boegly, William J., Bennett, Morrison, and Powell.

Power Jets (Research and Development) Limited, assignee: *See*—
Clapham, Thomas.

Poyer, Charles E., Miami Beach, Fla. Dispensing device for tooth powder. 2,558,981, July 3.

Pratt, John W., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Upper trimming machine. 2,558,876, July 3.

Pratt, Verneur E., and G. F. Gray, Norwalk, Conn. Film advancing and guiding means in microfilm projectors. 2,558,982, July 3.

Price, Donald F.: *See*—
Hollengreen, Milburn A., and Price.

Punte, William F.: *See*—
Coyle, John, and Punte.

Pyrene Manufacturing Company, assignee: *See*—
Dodelin, Frederick A.

Quaker Oats Company, The, assignee: *See*—
Johnson, Herbert B.

Quaker Stretcher Company, assignee: *See*—
Unwin, Kenneth J.

Qualitrol Corporation, assignee: *See*—
Ford, George E.

Quidor, Arthur N., New York, N. Y. Device for illuminating radio cabinets. 2,559,224, July 3.

Radelicki, Jozef, Warsaw, Poland. Medical bath. 2,558,912, July 3.

Radio Corporation of America, assignee: *See*—
Bedford, Alda V.
Brown, Herbert W., Jr.
Hillier, James.
Kell, Ray D.
Kurshan, Jerome.
Miller, William A.
Morgan, Jeremiah M.
Thompson, Harry C.
Vance, Arthur W.
Williams, Gurdon H.

Ragazzini, John R.: *See*—
Horn, William D., and Ragazzini.

Rainbows, Inc., assignee: *See*—
Bremer, Hermann F., and Gondolfo.

Randolph, Albert A., Glenmora, La. Removable vehicle body. 2,559,029, July 3.

Ransburg Electro-Coating Corp., assignee: *See*—
Ransburg, Harold P.

Ransburg, Harold P., assignor to Ransburg Electro-Coating Corp., Indianapolis, Ind. Electrostatic coating method and apparatus. 2,559,225, July 3.

Ransom, Richard B., Knoxville, Tenn., assignor to Universal Products Company Incorporated, Detroit, Mich. Constant velocity joint. 2,559,563, July 3.

Raper, John R., Lake Geneva, Wis., assignor to the United States of America as represented by the United States Atomic Energy Commission, Making a source of beta rays. 2,559,259, July 3.

Rasmusson, Marlin B., assignor to Vitafreze Equipment, Inc., Sacramento, Calif. Confection making apparatus. 2,559,463, July 3.

Ratcliffe, Temple W., Westfield, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Castable refractories. 2,558,782, July 3.

Raytheon Manufacturing Company, assignee: *See*—
Becker, Carl W.
Fryklund, Robert A., and Gorton.

Read Standard Corporation, assignee: *See*—
Martin, Eugene.

Reasenberg, Julian R., Brooklyn, N. Y., assignor to Mizzy, Inc. Method and solution for producing insecticidal aerosols. 2,559,091, July 3.

Reed, Price L., Royersford, assignor to Superior Tube Company, Philadelphia, Pa. Machine for making an electrode assembly. 2,559,547, July 3.

Reid, Allen F.: *See*—
Grosse, Aristid V., and Reid.

Reidel, Moises, Buenos Aires, Argentina. Manufacture of oxide of copper rectifiers. 2,559,370, July 3.

Reliance Hydraulic Press, Inc., assignee: *See*—
May, Thomas L.

Remington Arms Company, Inc., assignee: *See*—
Brown, John T., and Daubenspeck.
Catlin, John P., Reynolds, and Hutzelman.

Renner, Alfred: *See*—
Oestrich, Hermann, Rosskopf, Renner, and Valter.

Research Corporation, assignee: *See*—
Pirnie, Malcolm.
Van de Graaff, Robert J., and Buechner.

Ress, Thomas I., Chicago, assignor to The Pioneer Electric and Research Corp., Forest Park, Ill. Printing plate and manufacturing. 2,558,877, July 3.

Ressinger, Paul M., Highland Park, Ill. Combined glass- and lamp-supporting showcase rail. 2,559,371, July 3.

Reulos, René, Chambery, France. Directional aerial. 2,559,092, July 3.

Reynolds, Warren S.: *See*—
Catlin, John P., Reynolds, and Hutzelman.

Rice, Alexander P., assignor to Thorn Electrical Industries Limited, London, England. Lithium magnesium tungstate phosphor. 2,558,913, July 3.

Rice, Curtis D., Omaha, Nebr., and G. G. Cook, Babylon, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Packing mechanism. 2,559,318, July 3.

Richardson, Henry M., Springfield, Mass., assignor to Mycalex Corporation of America, Clifton, N. J. Electrode with molded insulation. 2,558,878, July 3.

Richardson, Inez W., St. Louis, Mo. Collar. 2,559,226, July 3.

Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Shock wave generator. 2,559,227, July 3.

Riebschlager, Anton H., Fresno, Calif. Electric wall incinerator. 2,559,228, July 3.

Riebschlager, Anton H., Fresno, Calif. Incinerator. 2,559,229, July 3.

Riesche, William W.: *See*—
Yates, Robert E., Engel, and Riesche.

Rifkin, Irving J., assignee: *See*—
Weissberg, Melvin.

Rigterink, Raymond H.: *See*—
Coleman, Gerald H., and Rigterink.

Rike, Howard A., Los Angeles, Calif. Thermostatic switch. 2,559,372, July 3.

Ring, Roland, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,559,373, July 3.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Carrier with interlocking partition elements. 2,559,374, July 3.

Rite-Way Products Co., assignee: *See*—
Wall, Sam P.

Roach, John R., and H. Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc. Unsaturated ether esters. 2,559,171, July 3.

Robb, Charles A.: *See*—
Knewstubb, Norman W., and Robb.

Roberg, Theodore W., Bantam, Conn. Dowel clasping assembly for poultry crates. 2,559,464, July 3.

Roberts, Frank B., Anaheim, Calif. Barrel cleaning apparatus. 2,558,983, July 3.

Roberts, Neville W., assignor to The British Oxygen Company Limited, London, England. Fractional separation of air. 2,559,132, July 3.

Robinson, Jean H., Jr., United States Navy, and R. D. Scott, United States Naval Reserve. Switch. 2,558,783, July 3.

Robinson, William A.: *See*—
McLaughlin, George H., and Robinson.

Robson, Duer C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Vertically movable turntable transfer. 2,559,319, July 3.

Roethal Engineering Corporation, assignee: *See*—
Roethel, John H.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Ice tray. 2,558,984, July 3.

Roller Gear Corporation, assignee: *See*—
Schottler, Henry.

Rolls-Royce Limited, assignee: *See*—
Gordon, Francis C.

Roma, Charles, Jr., Talladega, Ala. Soap press. 2,558,879, July 3.

Rona Laboratories, Inc., assignee: *See*—
Perlstein, David.

Root, Frank B., Montclair, N. J., assignor to Ellis-Foster Company. Soluble copolymers of polymerizable monomers and drying oil acids-unsaturated dicarboxylic acid-polyhydric alcohol esters and making them. 2,559,465, July 3.

Root, Frank B., Montclair, N. J., assignor to Ellis-Foster Company. Acid-modified copolymers of drying oil acids, maleic-polyhydric alcohol esters, and making same. 2,559,466, July 3.

Root, Ralph R., Lakewood, Ohio. Dusting machine. 2,558,914, July 3.

Rosskopf, Hans: *See*—
Oestrich, Hermann, Rosskopf, Renner, and Valter.

Rottier, Jean, Barcelona, Spain. Apparatus for scouring, bleaching, dyeing, or other similar operations on textile materials. 2,559,030, July 30.

Ruby-Phillte Corp., assignee: *See*—
Bernstein, Robert G.

Rushing, Fred L., Tampa, Fla., and B. M. Williams, assignors to Gaylord Container Corporation, St. Louis, Mo. Container having cover locking means. 2,559,320, July 3.

Russell, Francis R., Scotch Plains, N. J., assignor to Standard Oil Development Company. Method and apparatus for combining fluids. 2,559,516, July 3.

Rust, John B.: *See*—
Hessel, Frederick A., and Rust.

Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Disk plow. 2,559,517, July 3.

Rzeppa, Alfred H., Grosse Pointe, Mich. Torque transmitting angle coupling. 2,559,093, July 3.

St. Charles Manufacturing Co., assignee: *See*—
Waller, Alfred F.

St. Clair, Oba L., Eugene, Oreg. Constant tension flight control device for model airplanes. 2,559,049, July 3.

St. Clair, Oba L., Eugene, Oreg. Automatic reel for controlling self-propelled model airplanes. 2,559,050, July 3.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Yarn binder. 2,559,327, July 3.

Salgueiro dos Santos Gallo, Carlos Horácio Amaro, Marinha Grande, Portugal. Supplementary reservoir for feeding automatic bottle-making machines operating by suction. 2,559,467, July 3.

Salter, George, and Company Limited, assignee: *See*—
Bird, John.

Sandoz, A. G., assignee: *See*—
Von Allmen, Samuel, Gutzwiller, and Günthart.

Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. Δ^{16}-20-cyano-pregnene compounds and preparing them. 2,558,784, July 3.

Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. 20-cyanopregnenes and process. 2,558,785, July 3.

Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. Pregnane 20-cyanohydrins. 2,558,786, July 3.

Sartain, Don M., Marion, N. C. Combination bumper and license tag holder. 2,558,880, July 3.

Schaf, Leonard E., Detroit, Mich. Guitar stand. 2,559,200, July 3.

Schaffan, Stephan, Jr., Irvington, N. J. Miniature track unit. 2,559,375, July 3.

Schafranik, Erich.: *See*—
Blease, Malcolm T., and Schafranik.

Scharkopf, Frederick J., Valley Stream, N. Y. Marble shooting coaster toy with projector. 2,558,881, July 3.

Scheg, Marcian A., assignor to General Railway Signal Company, Rochester, N. Y. Code transmitting apparatus in track circuit signaling systems. 2,559,468, July 3.

Scheidemantle, Howard R., Harmony, assignor to Universal Manufacturing Corporation, Zellenople, Pa. Metal scaffold connection lock. 2,559,469, July 3.

Schering Corporation, assignee: *See*—
Papa, Domenick, Schwenk, and Klingsberg.

Schichtell, Walter M.: *See*—
Middaugh, Dennis A., and Schichtell.

Schick, John W., Camden, H. D. Hartough, Pitman, and D. E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Imparting water-repellency to fibrous materials and resulting products. 2,559,260, July 3.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon compositions. 2,558,882, July 3.

Schmutzler, Alfred F., Teaneck, N. J. Hardening printed ink films. 2,558,787, July 3.

Schneider, Walter H., Ridgefield, assignor to Keuffel & Esser Company, Hoboken, N. J. Drawing instrument. 2,559,470, July 3.

Schneider, William C., Stamford, and J. J. Padbury, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Compositions comprising polyacrylonitrile and β,β'-iminodipropionitrile. 2,559,172, July 3.

Schnitger, Wilbert F., Waukesha, assignor of one-half to E. E. Southall, Milwaukee, Wis. Device for cleaning, lubricating, and sealing barrels of guns. 2,559,376, July 3.

Schnyder, Conrad W., assignee: *See*—
Grupp, Wilhelm.

Schottler, Henry, New Orleans, La., assignor to Roller Gear Corporation, New York, N. Y. Variable-speed frictional gearing. 2,559,230, July 3.

Schrock, Jacob N., Phoenix, Ariz. Sliding automobile shade. 2,559,471, July 3.

Schuck, Oscar H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gyro erection apparatus. 2,559,094, July 3.

Schultz, Charles C., Calgary, Alberta, Canada. Repackable oil filtering cartridge. 2,559,133, July 3.

Schultz, William O., South Milwaukee, Wis., assignor to McGraw Electric Company. Cut out construction. 2,558,985, July 3.

Schwartz, Michael D., Brooklyn, N. Y. Architectural model construction set. 2,559,261, July 3.

Schwenk, Erwin: *See*—
Papa, Domenick, Schwenk, and Klingsberg.

Schy, Abraham A. and S. T., Los Angeles, Calif. Motor actuated display figure. 2,559,201, July 3.

Schy, Stuart T.: *See*—
Schy, Abraham A. and S. T.

Scott, Riley D.: *See*—
Robinson, Jean H., Jr., and Scott.

Scudder Food Products, Inc., assignee: *See*—
Walker, Robert A.

Seabrook Associates, assignee: *See*—
Green, Philip.

Seaman, Harry J., Milwaukee, Wis. Resilient tooth mounting for rotary plows. 2,559,048, July 3.

Seamark, Lewis M. C., Lyme Regis, England. Casing head equipment. 2,559,321, July 3.

Seelert, Arthur, Minneapolis, Minn. Leg brace. 2,558,986, July 3.

Seemar, George H., Chatham, N. J. Pluri-compartment packaging and dispensing container for hypodermic injection ingredients. 2,559,231, July 3.

Seigneur, Floyd O., St. Louis, Mo. Latchable seat. 2,559,548, July 3.

Selas Corporation of America, assignee: *See*—
Henwood, Jemas B.
Williams, John R.

Servo-Frein Dewandre Société Anonyme, assignee: *See*—
Dewandre, Albert.

Sevčik, Paul, Chicago, Ill. Plugging device for door locks. 2,559,549, July 3.

Shafer, Theodore C.: *See*—
Emerson, William S., Shafer, and Heimsch.

Shanaman, Charles B., Clarksburg, W. Va. Pneumatic actuating means for metal parts washers. 2,559,472, July 3.

Shapiro, Samuel G., Philadelphia, Pa. Ironing device carrying reversible pressing cloth. 2,559,550, July 3.

Shapiro, Sydney H.: *See*—
Jordan, Wesley A., and Shapiro.

Shaw, John E. B., Chicago, Ill. Blood transfusion filter unit. 2,558,987, July 3.

Shaw-Walker Company, The, assignee: *See*—
Wikman, Carl W.

Shawhan, Elbert N., Morton, assignor to Sun Oil Company, Philadelphia, Pa. Selective circuits. 2,559,173, July 3.

Shedlovsky, Theodore, New York, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Thermocouple thermometer. 2,559,571, July 3.

Sheehan, William M., Philadelphia, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway locomotive driving truck. 2,558,988, July 3.

Sheffer, Andrew D., Brighton, Mich. Folding leg bracket hinge. 2,558,915, July 3.

Shell Development Company, assignee: *See*—
Abell, Francis M.
Dannenberg, Hans.
Davis, Ellis E., and Booth.
Fay, Charles H.
Hackmann, Johannes T.
Jones, Robert C., and Clark.

Shellmar Products Corporation, assignee: *See*—
Piazze, Thomas E.

Sheridan, Charles B., assignor of one-half to J. H. Stiffler, Rochester, N. Y. Arch support. 2,559,262, July 3.

Sherry, Louise A., New York, N. Y. Liquid container with extensible spout. 2,559,202, July 3.

Sherwin-Williams Co., The, assignee: *See*—
Kohr, Donald A., Jr., and Milde.

Short, J. R., Milling Company, assignee: *See*—
Obey, James H.

Siefen, Howard T.: *See*—
Goebel, Max T., Langston, Loder, and Siefen.

Sillars, George S., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Web-flexing apparatus. 2,558,788, July 3.

Sillman, Isaac D., New York, N. Y. Window with removable pane. 2,558,789, July 3.

Simon, Eugene R., Petersburg, Ill. Rotary hoe wheel. 2,559,232, July 3.

Singer Manufacturing Company, The, assignee: *See*—
Davidson, William A.
Hayes, Frank A.

Skamser, Clarence M., Superior, Wis. Drawer guide. 2,559,322, July 3.

Skony, Sigmund J., assignor to Hermetic Terminal Division of Van Engineering Company, Cincinnati, Ohio. Electrical connector with tang and groove interlock. 2,559,174, July 3.

Slazinik, Henry, assignee: *See*—
Mintner, Corban.

Slodek, Wallace L., Sr., Nashville, Tenn. Leg brace. 2,559,473, July 3.

Smiley, Eldridge H.: *See*—
Storm, Frederick K., Jr., and Smiley.

Smith, A. O., Corporation, assignee: *See*—
Gruetjen, Frederick A.

Smith, Cecil E., Siloam Springs, Ark. Local oscillator frequency control for superheterodyne receivers and control devices. 2,558,790, July 3.

Smith, Charles W., Plainfield, N. J., assignor to Standard Oil Development Company. Recirculating tank mixing system. 2,559,518, July 3.

Smith, Frank M.: *See*—
Smith, Leland H., and F. M.

Smith, Henry B., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Electropolishing of metals. 2,559,263, July 3.

Smith, Leland H., and F. M., Granville, assignors to The Decora Corporation, Fort Edward, N. Y. Printing thermoplastic sheets. 2,558,791, July 3.

Smith, Paul V., Jr.: *See*—
Mikeska, Louis A., and Smith.

Smith, Paul V., Jr., Westfield, and C. S. Carlson, Elizabeth, N. J., assignors to Standard Oil Development Company. Extractive distillation of alcohols with glycol ethers. 2,559,519, July 3.

Smith, Paul V., Jr., Westfield, and C. S. Carlson, Elizabeth, N. J., assignors to Standard Oil Development Company. Extractive distillation of alcohols with glycols. 2,559,520, July 3.

Smith, Paul V., Jr., Westfield, N. J., and A. H. Popkin, New York, N. Y., assignors to Standard Oil Development Company. Synthetic lubricant. 2,559,521, July 3.

Snowden, John L., United States Army, Wilmington, Del. Muzzle cover for firearms. 2,558,792, July 3.

Snyder, George H., Toledo, Ohio. Apparatus for extruding the contents of collapsible tubes. 2,558,916, July 3.

Societe Anonyme Andre Citroen, assignee: *See*—
Du Rostu, Georges L.

Societe Anonyme des Usines Chausson, assignee: *See*—
Chausson, Gaston.

Societe Porte & Gardin, assignee: *See*—
Jarige, André.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Hartough, Howard D., and Lukaslewicz.
McCarty, Malcolm D.
Schick, John W., Hartough, and Badertscher.

Soderquist, Leslie E., assignor to The McNeil Machine and Engineering Company, Akron, Ohio. Press for vulcanizing mechanical articles. 2,559,377, July 3.

Son, Anthony J., Boston, assignor to Sonco, Inc., Mattapan, Mass. Hypodermic and spinal syringe. 2,559,474, July 3.

Sonco, Inc., assignee: *See*—
Son, Anthony J.

Southall, Earl E., assignee: *See*—
Schnitger, Wilbert F.

Sparacio, Anthony, Brooklyn, N. Y. Dispensing cap with self-closing valve, having an agitator integral with the movable valve element. 2,559,522, July 3.

Sparkman, Ward F., Huntsville, Ala. Fishing bait. 2,559,475, July 3.

Sparks, William J.: *See*—
Garber, John D., Sparks, and Young.

Spatz, Sydney M.: *See*—
Liston, Thomas R., Spatz, Mazur, and Glick.

Sperling, Curren C., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pneumatic and air sweep closure. 2,559,564, July 3.

Sperry Corporation, The, assignee: *See*—
Hansen, William W., and Woodyard.
Jaynes, Edwin T.
Tear, James D.

Sperry-Sun Well Surveying Company, assignee: *See*—
Ring, Roland.

Spillane, Paul X., Abbotsford, near Sydney, assignor to K. Williams, Sydney, New South Wales, Australia. Desulfurization of hydrocarbons. 2,559,323, July 3.

Spillane, Paul X., Ashfield, near Sydney, assignor to K. Williams, Sydney, New South Wales, Australia. Treatment of sulfur-containing materials. 2,559,324, July 3.

Spillane, Paul X., Abbotsford, near Sydney, assignor to K. Williams, Sydney, New South Wales, Australia. Conversion to sulfur and/or sulfur dioxide of other sulfur compounds and catalysts therefor. 2,559,325, July 3.

Spohr, Carl W., assignor to The Curtiss Candy Company, Chicago, Ill. Apparatus for feeding sheets vertically. 2,558,989, July 3.

Spurin, Leslie T., assignor to Zwicky Limited, Slough, England. Aircraft refueling plant. 2,559,233, July 3.

Spurr, Allen W., Watertown, Mass. Clock striking mechanism. 2,559,476, July 3.

Stahl, Leslie W., Houston, Tex., and H. E. Young, Jr., assignors to The Locomotive Finished Material Company, Atchison, Kans. Rotary hydraulic swivel. 2,558,990, July 3.

Stalder, Adolf, Eschlikon, Switzerland. Machine for the manufacture of small floor-parquetting blocks. 2,559,378, July 3.

Stalego, Charles J., Newark, N. J., assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for producing glass fibers. 2,559,572, July 3.

Standard Brands Incorporated, assignee: *See*—
Barch, William E.

Standard Oil Company, assignee: *See*—
England, Frederick E.

Standard Oil Development Company, assignee: *See*—
Dornte, Ralph W.
Epps, Ernest A., Jr.
Garber, John D., Sparks, and Young.
Harlan, John L.
Meier, Edwin H.
Mikeska, Louis A., and Smith.
Russell, Francis R.
Smith, Charles W.
Smith, Paul V., Jr., and Carlson.
Smith, Paul V., Jr., and Popkin.

Stanin, Theodore E., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Mixtures comprising polyacrylonitrile and polyvinyl formate. 2,558,793, July 3.

Stanton, Austin N., Garland, Tex. Tuning fork driver. 2,558,991, July 3.

Stanzel, Victor, Schulenburg, Tex. Controlling means for self-propelled miniature aircraft. 2,559,326, July 3.

Stark, Virgil, New York, N. Y. System of fuelless refrigeration and heating for containers. 2,558,794, July 3.

Steady-Flow Freezer Co., assignee: *See*—
Tacchella, Andrew J.

Stearn, John T., Brooklyn, N. Y. Treating paper. 2,559,234, July 3.

Stearns, Dick E., Shreveport, La. Insulation testing device. 2,558,883, July 3.

Steele, Glen R., Pleasant Ridge, Mich., assignor to Uebelhoer Brothers, Inc., Buffalo, N. Y. Lubrication system. 2,559,134, July 3.

Steiner, Herbert: *See*—
Gray, Vincent R., and Steiner.

Stephens, Arthur J., Roswell, N. Mex. Bird animal figure toy. 2,558,795, July 3.

Stephenson, James E., Gates, assignor to General Railway Signal Company, Rochester, N. Y. Switch machine for railroads. 2,559,477, July 3.

Sterling Drug Inc., assignee: *See*—
Boegly, William J., Bennett, Morrison, and Powell.

Steven, George, Kenmore, and R. R. Fruehauf, Orchard Park, N. Y., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Temperature controlled air throttling apparatus and controlling supply of air to internal-combustion engines. 2,558,884, July 3.

Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Spring retainer for balancers. 2,559,264, July 3.

Stevens, Roy R., Forest Hills, and R. C. Brooks, Patton Heights, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control apparatus. 2,558,885, July 3.

Stewart-Warner Corporation, assignee: *See*—
Mesa, Joseph O.

Stiffler, Joseph H., assignee: *See*—
Sheridan, Charles B.

Stilwell Darby & Company Limited, assignee: *See*—
Aldrich, William S.

Stoever, Henry V. H., Jr., assignor to The American Tobacco Company, Durham, N. C. Spot glue applicator for carton making machines. 2,559,175, July 3.

Stone, Albert L., Palos Verdes Estates, assignor to Stonefield, Incorporated, Redondo Beach, Calif. Hydraulic impact tool. 2,559,478, July 3.

Stone, Maxwell H., Brooklyn, assignor to Eitinger Bead Co., Inc., New York, N. Y. Machine for making beaded strands. 2,559,479, July 3.

Stonefield, Incorporated, assignee: *See*—
Stone, Albert L.

Storkline Furniture Corporation, assignee: *See*—
Feldman, Abraham G.

Storm, Frederick K., Jr., Los Angeles, and E. H. Smiley, Hermosa Beach, assignors to C. Van King, West Los Angeles, Calif. Refrigeration system. 2,559,095, July 3.

Stott, Louis L., assignor to The Polymer Corporation, Reading, Pa. Colored nylon article and manufacture. 2,558,992, July 3.

Sturgis, Howard W., and E. H. Olson, Muskegon, Mich., assignors to Anaconda Wire and Cable Company. Apparatus for applying viscous coating compositions to wire. 2,558,993, July 3.

Sun Oil Company, assignee: *See*—
Blake, Norman B.
Grosse, Aristid V., and Reid.
Henson, Robert L., Jr.
Hirschler, Alfred E.
Kurtz, Stewart S., Jr., and Sweely.
Pearson, John M.
Shawhan, Elbert N.

Superior Tube Company, assignee: *See*—
Reed, Price L.

Svenska, Aktiebolaget Philips, assignee: *See*—
Falk, Sven G.

Svenska-Skifferolje Aktiebolaget, assignee: *See*—
Lundquist, Lars B.

Swansen, Theodore L.: *See*—
Eastman, David P., and Swansen.

Swayne, Edward B., assignor of one-half to Whaley Engineering Corporation, Norfolk, Va. Mechanical movement for profile and contour cutting machines. 2,559,176, July 3.

Sweely, James S.: *See*—
Kurtz, Stewart S., Jr., and Sweely.

Sykes, John, assignor to Enfield Rolling Mills Limited, Enfield, England. Copper base alloys. 2,559,031, July 3.

Szekely, O. E., & Associates, Inc., assignee: *See*—
Szekely, Otto E.

Szekely, Otto E., assignor, by mesne assignments, to O. E. Szekely & Associates, Inc., Philadelphia, Pa. Three-wheel steering assembly. 2,559,379, July 3.

Tacchella, Andrew J., Portland, Oreg., assignor, by mesne assignments, to Steady-Flow Freezer Co. Ice cream and frozen confection freezer and dispenser. 2,559,032, July 3.

Taegtstroem (Ralph Vidar), Ingemar, assignor to The United States Time Corporation, Waterbury, Conn. Instrument case construction. 2,559,480, July 3.

Tapper, Thomas P., Prospect Park, Pa., assignor to Baldwin-Lima-Hamilton Corporation. Degassing apparatus for platen presses. 2,558,796, July 3.

Tascher, Eugene S., Ingleside, Ill., assignor to National Biscuit Company, New York, N. Y. Sheet feeding mechanism. 2,559,235, July 3.

Taylor, Albert E.: *See*—
Woodard, Walter M., and Taylor.

Taylor, Frederick J. D., Wembley Park, and D. G. Tucker, Amersham, England. Transmission efficiency tested by modulating carrier with low-frequency and measuring low-frequency modulation component. 2,558,886, July 3.

Taylor-Shantz, Inc., assignee: *See*—
Hasselwander, Claude F.

Taylor, Walter W., assignor to Maisbary Manufacturing Company, Oakland, Calif. Annular burner and surrounding baffle ring. 2,559,265, July 3.

Tear, James D., Great Neck, N. Y., assignor to The Sperry Corporation. Gyroscopically controlled hydraulic actuating apparatus with follow-up and stabilizing mechanism. 2,559,577, July 3.

Templin, Richard L., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Extrusion die and method. 2,559,523, July 3.

Tenderet Corp., assignee: *See*—
Abbott, Scott M.

Terrell Machine Company, The, assignee: *See*—
Hinson, Odus C.

Terry, David E., and D. H. Wheeler, Minneapolis, Minn., assignors to General Mills, Inc. Plasticized polyvinyl resin compositions. 2,559,177, July 3.

Teslero, Thomas R., Amsterdam, N. Y. Ice-cream dispenser. 2,558,887, July 3.

Texaco Development Company, assignee: *See*—
Ludeman, Clifford G.

Texas Company, The, assignee: *See*—
Devaney, Lawrence W., Clarke, and Culnane.
Gaucher, Leon P.

Theiss, Edward C., Dayton, Ohio. Air induction system for turbo-supercharged aircraft engines, including air intercooler and air interwarmer. 2,558,797, July 3.

Thomas & Betts Co., The, assignee: *See*—
Clapp, Jerome B.

Thom, Melvin A., Brighton, N. Y. Electrical resistor. 2,558,798, July 3.

Thomas, Jesse F., New London, Wis. Measuring device for shortening. 2,559,328, July 3.

Thomas, Matthew J., Los Angeles, Calif. Rotary vegetable juice extractor having separating means. 2,558,799, July 3.

Thompson, Frank R.: *See*—
Alderfer, Sterling W., and Thompson.

Thompson, Fred H., Iowa Park, and W. D. Keith, Wichita Falls, Tex.; said Keith assignor to said Thompson. Sample packaging machine. 2,558,800, July 3.

Thompson, Harry C., Chester, Vt., assignor to Radio Corporation of America. Electron discharge device of the beam deflection type. 2,559,524, July 3.

Thompson, James D., West Medford, Mass. Self-emptying ash tray for motor vehicles. 2,559,178, July 3.

Thompson, Robert H.: *See*—
Mulloy, Lorne B., and Thompson.

Thomson, John B., assignee: *See*—
Ferger, Hulbert K.

Thorn Electrical Industries Limited, assignee: *See*—
Rice, Alexander P.

Tinnerman Products, Inc., assignee: *See*—
Hansman, George A.

Tisch Machine & Tool Company, Inc., assignee: *See*—
Yankeelov, John A.

Toledo Scale Company, assignee: *See*—
Hart, Norman E.

Tomarin, Harry A., Cincinnati, assignor to Loroco Industries Incorporated, Reading, Ohio. Garment support. 2,559,096, July 3.

Torin, Raymond, assignee: *See*—
Malchus, Johannes A. C.

Townley, Holden B., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Liquid fuel feeding means. 2,559,135, July 3.

Trenton Chemical Company, assignee: *See*—
Weber, Harry M.

Trimble, Cebern B., Dayton, Ohio. Remote-control system. 2,558,888, July 3.

Trinkle, Dallas R., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Reproducing machine. 2,559,097, July 3.

Trod, Abraham, Peabody, Mass. Degrainer. 2,559,329, July 3.

Tropical Concrete Products, Inc., assignee: *See*—
Dornbush, Edward.

Trowbridge, Dale G., Stamford, Conn. Tool for applying antiskid chains. 2,558,994, July 3.

Truesdell, Robert S., assignor to D. Parsons and W. Hanson, Los Angeles, Calif. Baker's grease. 2,559,481, July 3.

Tucker, David G.: *See*—
Taylor, Frederick J. D., and Tucker.

Tullis, John, Vancouver, British Columbia, Canada. Bag stool combination. 2,558,995, July 3.

Turman, Alfred: *See*—
Weissberg, Melvin.

Tuttle, Orville F.: *See*—
Friedman, Isidore I., and Tuttle.

Tyler, Herman R.: *See*—
Church, James S., and Tyler.

Uebelhoer Brothers, Inc., assignee: *See*—
Steele, Glen R.

Ullmann, Henry, New York, N. Y. Floatable plastic book. 2,558,996, July 3.

Ungarische Radiatoren Fabriks Aktiengesellschaft, assignee: *See*—
Beck, József.

Union Asbestos & Rubber Company, assignee: *See*—
Lundvall, John S.

Union Carbide and Carbon Corporation, assignee: *See*—
Knewstubb, Norman W., and Robb.

Union Metal Manufacturing Company, The, assignee: *See*—
Anderson, Wilbur C.

Union Switch & Signal Company, The, assignee: *See*—
Blosser, Herman G., and Nicholson.
Bone, Herbert L.
Cobourn, Delbert F.
Lotz, John A.

United Aircraft Corporation, assignee: *See*—
Bruynes, Hendrik.

United Geophysical Company, Inc., assignee: *See*—
McCoy, Marcus A.

United Shoe Machinery Corporation, assignee: *See*—
Baker, Corwin W.
Gulbrandsen, Helge, Ballard, Linderoth, and Knowles.
Olson, Arthur R., and McMillan.
Pratt, John W.

United Specialties Company, assignee: *See*—
Eastman, David P., and Swansen.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Church, James S., and Tyler.
Raper, John R.
Sperling, Curren C.
Zinn, Walter H.

United States Rubber Company, assignee: *See*—
Bailey, Robert E.
Cunningham, Marion M.

United States Steel Company, assignee: *See*—
Grossmann, Marcus A.

United States Time Corporation, The, assignee: *See*—
Taegtstroem (Ralph Vidar), Ingemar.

Universal Manufacturing Corporation, assignee: *See*—
Scheidemantle, Howard R.

Universal Oil Products Company, assignee: *See*—
Bloch, Herman S.
Johnstone, Warren W.
Liggett, Philip T.
Schmerling, Louis.

Universal Products Company Incorporated, assignee: *See*—
Ransom, Richard B.

Unwin, Kenneth J., assignor, by mesne assignments, to Quaker Stretcher Company, Kenosha, Wis. Metal frame with inserted pins. 2,559,573, July 3.

Valter, Jakob: *See*—
Oestrich, Hermann, Rosskopf, Renner, and Valter.

Valtersson, Bo Valterson, assignor to Järnhs Elektriska Aktiebolag, Stockholm, Sweden. Röntgen tube. 2,559,136, July 3.

Vance, Arthur W., Cranbury, N. J., assignor to Radio Corporation of America. Cathode-ray deflection circuits. 2,559,525, July 3.

Van de Graaff, Robert J., Belmont, and W. W. Buechner, Arlington, Mass., assignors to Research Corporation, New York, N. Y. Anode target for high-voltage high-vacuum uniform-field acceleration tubes. 2,559,526, July 3.

Van Hulst, Jan, Nieuwer-Amstel, Netherlands. Wall covering. 2,559,051, July 3.

Van Iterson, Frederik K. T., The Hague, assignor to N. V. Hollandsche Constructie Werkplaatsen, Leiden, South-Holland, Netherlands. Dry gasholder having a ballast actuated piston. 2,559,137, July 3.

Van King, C., assignee: *See*—
Storm, Frederick K., Jr., and Smiley.

Van Nort, William W. K., Cabin John, Md. Propeller guard for outboard motors. 2,559,179, July 3.

Verheyden, Albert, St. Denijs-Westrem, Belgium. Electrolytic process of producing diacetone-keto-gulonic acid. 2,559,033, July 3.

Veth, D. Giltay, curator in bankruptcy: *See*—
Malchus, Johannes A. C.

Verheyden, Albert, St. Denijs-Westrem, Belgium. Electrolytic process of producing diacetone-keto-gulonic acid. 2,559,034, July 3.

Victor Metal Products Corporation, assignee: *See*—
Wnuk, Anthony F.

Victory, Frederick C., Milford, Conn., assignor to Moore Special Tool Co., Inc. Jig grinder. 2,559,180, July 3.

VitaFreze Equipment, Inc., assignee: *See*—
Rasmusson, Marlin B.

Voelker, Henry H., assignor to Automatic Screw Products Company, Cleveland, Ohio. Preventing loss of cold air from refrigerated spaces. 2,558,997, July 3.

Von Allmen, Samuel, E. Gutzwiller, and J. Günthart, assignors to Sandoz, A. G., Basel, Switzerland. Dyestuffs of the anthraquinone series. 2,559,330, July 3.

Von Glahn, William H., Loudonville, and H. A. Bergstrom, Albany, assignors to General Aniline & Film Corporation, New York, N. Y. Azo dyes produced by coupling a diazonium compound with 4-cyano-2,5-dialkoxyacetoacetanilides. 2,559,181, July 3.

Votypka, John W., assignor to Detroit Harvester Company, Detroit, Mich. Folding top construction. 2,559,482, July 3.

Wagner, George E.: *See*—
Adams, John E., and Wagner.

Wagstaff, George F., assignor to Delapena & Son Limited, Cheltenham, England. Honing device. 2,559,032, July 3.

Wainer, Eugene, Niagara Falls, assignor, by mesne assignments, to National Lead Company, New York, N. Y. Alkaline earth silicates of zirconium and compositions thereof. 2,559,381, July 3.

Walbridge, E. H., assignee: *See*—
Waring, Edward M.

Waldorf Paper Products Company, assignee: *See*—
Dunning, Robert M.

Walker, Robert A., Alhambra, assignor to Scudder Food Products, Inc., Monterey Park, Calif. Merchandise hanging device. 2,559,054, July 3.

Wall, Sam P., assignor to Rite-Way Products Co., Chicago, Ill. Milking machine pulsator. 2,559,035, July 3.

Wallace, Gordon, Long Beach, Calif. Oil sump air filter. 2,559,053, July 3.

Wallace, James R., assignor to Carrier-Stephens Company, Lansing, Mich. Wooden carboy crate. 2,559,236, July 3.

Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Smith, Henry B.

Waller, Alfred F., assignor to St. Charles Manufacturing Co., St. Charles, Ill. Drawer guide. 2,559,237, July 3.

Wallin, Edward, Los Angeles, Calif. Watch band attachment. 2,559,238, July 3.

Wallington Weston & Company Limited, assignee: *See*—
Leeson, George W. T.

Walsh, Robert, Wilmington, Del., assignor to American Car and Foundry Company, New York, N. Y. Welding together metallic members. 2,559,483, July 3.

Waltke, Edwin H., Los Angeles, Calif. Cartridge belt feeding mechanism. 2,558,801, July 3.

Walz, Carl F., assignor to Durkee-Atwood Company, Minneapolis, Minn. Frost shield and making same. 2,559,098, July 3.

Wannamaker, William H., Jr., Flourtown, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Oscillator controlled relay system. 2,559,266, July 3.

War, United States of America as represented by the Secretary of, assignee: *See*—
Barker, Maurice E.
Lee, Norman E.
Yaglou, Constantin P.

Waring, Edward M., Bristol, Pa., assignor of one-third to E. H. Walbridge, Libertyville, Ill., one-third to W. L. Hart, Paterson, N. J., and one-third to C. B. Blair, Poultney, Vt. Internal-combustion engine with compound head. 2,559,484, July 3.

Warner, Archibald A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Propeller shaft and universal joint assembly. 2,559,485, July 3.

Warner, Douglas K., Sarasota, Fla. Stabilizer for wide pressure planes. 2,559,036, July 3.

Warren, Estel M., Clinton, N. C. Switch apparatus. 2,559,055, July 3.

Waterbury Farrel Foundry and Machine Company, The, assignee: *See*—
Wilcox, Richard L.

Waterson, Arthur P., Tulsa, Okla., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Duplicating attachment for lathes. 2,559,138, July 3.

Watson, Athelstan T., Estado Zulia, Venezuela. Spring suspension assembly. 2,559,239, July 3.

Webber, Thomas A., Hyattsville, Md. Dental flask. 2,559,486, July 3.

Weber, Harry M., assignor, by mesne assignments, to Trenton Chemical Company, Trenton, Mich. Production of dry gluten. 2,559,551, July 3.

Weiskopf, Edwin C., New York, N. Y. Filing cabinet. 2,559,203, July 3.

Weiss, Arthur J., West Englewood, N. J., assignor to Robert Gair Company, Inc., New York, N. Y. Spool. 2,559,056, July 3.

Weissberg, Melvin, Brooklyn, N. Y., assignor to I. J. Rifkin and A. Turman. Composition and method for removing oil sludge. 2,559,574, July 3.

Welshenbach, Charles D., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Golf club box. 2,559,552, July 3.

Wenzelberger, Elwood P., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Freeze dehydration of liquid bearing substances. 2,559,204, July 3.

Wenzelberger, Elwood P., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Freeze dehydration of liquid substances. 2,559,205, July 3.

West, Halstead W., Detroit, Mich. Wall hanger. 2,559,099, July 3.

Westerberg, Carl G.: *See*—
Johnson, Robert C., and Westerberg.

Western Condensing Company, assignee: *See*—
Peebles, David D., Clary, and Meade.

Western Electric Company, Incorporated, assignee: *See*—
Jones, Harvey K.
Robson, Duer C.

Westin, Axel: *See*—
Westin, Sven and A.

Westin Process Company, The, assignee: *See*—
Westin, Sven and A.

Westin, Sven, Elm Grove, and A. Westin, Milwaukee, Wis., assignors to The Westin Process Company. Method and apparatus for progressively electric resistance butt welding seams at high speed. 2,558,889, July 3.

Westinghouse Air Brake Company, The, assignee: *See*—
Bent, Arthur J.
Gorman, Andrew T.
May, Harry C., and Hewitt.
Stevens, Roy R., and Brooks.
Whitney, Ralph T.

Whaley Engineering Corporation, assignee: *See*—
Swayne, Edward B.

Wheeler, Donald H.: *See*—
Terry, David E., and Wheeler.

Wheeler, William, Coventry, England. Wire clothespin. 2,559,139, July 3.

White, Kenneth T., Grosse Ile, Mich., assignor, by mesne assignments, to said Kenneth T. White as trustee. Ice tray and grid structure. 2,558,802, July 3.

White, Will L., Houston, Tex. Adjustable Kelley drive bushing. 2,559,100, July 3.

White, William W., Great Falls, Mont. Wheeled disk harrow. 2,558,890, July 3.

Whitlow, Verlin T., Poplar Bluff, Mo. Tow bar. 2,559,487, July 3.

Whitney, Ralph T., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Reversible engine control apparatus. 2,558,891, July 3.

Widmer, Willi, Bottmingen, and A. Heckendorn, assignors to Ciba Limited, Basel, Switzerland. Manufacture of esterlike derivatives of ortho: ortho'-dihydroxy-monoazo dyestuffs. 2,559,331, July 3.

Wienholtz, William F., Elgin, Ill. Screw driver having expandible bit portion. 2,559,206, July 3.

Wiggin, Herbert E., Englewood, N. J. Dunnaging device. 2,559,240, July 3.

Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Making socketed head screw blanks or the like. 2,559,140, July 3.

Williams, Gurdon H., Haddonfield, N. J., assignor to Radio Corporation of America. Making high voltage condensers. 2,559,141, July 3.

Williams, John R., Ambler, assignor to Selas Corporation of America, Philadelphia, Pa. Gas burner and flame shield. 2,559,527, July 3.

Williams, Leonard E., Long Beach, Calif. Plate hanger. 2,559,057, July 3.

Wills, Walter P., Philadelphia, Pa., assignor by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Multiple recording instrument. 2,559,383, July 3.

Wightman, Lawrance W., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,559,382, July 3.

Wikman, Carl W., assignor to The Shaw-Walker Company, Muskegon, Mich. Extension drawer for filing cabinets. 2,559,380, July 3.

Williams, Benjamin M.: *See*—
Rushing, Fred L., and Williams.

Williams, Keith, assignee: *See*—
Spillane, Paul X.

Winslow, Charles A., W. G. Nostrand, and L. L. Moore, assignors to Winslow Engineering Co., Oakland, Calif. Filter. 2,559,267, July 3.

Winslow Engineering Co., assignee: *See*—
Winslow, Charles A., Nostrand, and Moore.

Wise, Earl V., Sr., assignor to Wise Potato Chip Company, Berwick, Pa. Agitating mechanism for agitating potato chips in cooking liquid. 2,558,892, July 3.

Wise Potato Chip Company, assignee: *See*—
Wise, Earl V., Sr.

Wittcoff, Harold: *See*—
Roach, John R., and Wittcoff.

Wittgren, Charles, Chicago, assignor, by mesne assignments, to R. C. Brown, Jr., Highland Park, Ill., as trustee. Transfer sheet and method. 2,558,803, July 3.

Wittgren, Charles, Chicago, asignor, by mesne assignments, to R. C. Brown, Jr., Highland Park, Ill., as trustee. Transferring an image and transfer sheet therefor. 2,558,804, July 3.

Witthoft, Herbert C.: *See*—
Bunish, Stephen, and Witthoft.

Wizon, Irvin: *See*—
Cresswell, Arthur, and Wizon.

Wnuk, Anthony F., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Extruding press. 2,559,207, July 3.

Wolf, Frederick W., Brooklyn, N. Y. Self-supporting advertising or display device. 2,559,488, July 3.

Wolf, Frederick W., Brooklyn, N. Y. Collapsible advertising device. 2,559,489, July 3.

Wolff, Lewis, New York, N. Y. Putty tool. 2,559,553, July 3.

Wolff, Otto E., Cambridge, Mass. String instrument. 2,558,893, July 3.

Woodard, Walter M., Willoughby, and A. E. Taylor, Mentor, assignors to Bready Tractor & Implement Company, Solon, Ohio. Braking device for agricultural vehicles. 2,558,917, July 3.

Woodberry, David L., Fort Lauderdale, Fla. Awning. 2,559,058, July 3.

Woodworth, John O., La Grange, Ind. Short turn steering mechanism. 2,559,142, July 3.

Woodyard, John R.: *See*—
Hansen, William W., and Woodyard.

Wool, Frank A., San Jose, Calif. Frozen food package. 2,559,101, July 3.

Worstenholm, William, Maplewood, Mo. Helper device. 2,559,059, July 3.

Worthington Pump and Machinery Corporation, assignee: *See*—
Steven, George, and Fruehauf.

Wright Aeronautical Corporation, assignee: *See*—
Davis, Charles S., Jr., Du Bois, and Baker.

Wright, Frank R., Nezperce, Idaho. Potato harvester and cleaner. 2,558,894, July 3.

Wright, Roy O., Huntington, W. Va. Ratchet gear assembly for wrenches. 2,559,332, July 3.

Wyandotte Chemicals Corporation, assignee: *See*—
Cox, Robert B.

Wyckoff, Amos A., Oakland, Calif. Faucet. 2,559,268, July 3.

Yaglou, Constantin P., Belmont, Mass., assignor to the United States of America as represented by the Secretary of War. Pressure measuring. 2,558,805, July 3.

Yankeelov, John A., Roselle, assignor to Tisch Machine & Tool Company, Inc., Elizabeth, N. J. Link reducing reciprocating knitting attachment. 2,558,895, July 3.

Yates, Robert E., J. M. Engel, and W. W. Riesche, assignors to Drying Systems, Inc., Chicago, Ill. Fuel burner control system. 2,559,490, July 3.

Yearout, Jean J., Fort Lauderdale, Fla. Measuring and dispensing device. 2,558,998, July 3.

Yoder Company, The, assignee: *See*—
Kentis, George E., Jr.

Young, David W.: *See*—
Garber, John D., Sparks, and Young.

Young, Edward E.: *See*—
Young, James R., H., and E. E.

Young, Harry E., Jr.: *See*—
Stahl, Leslie W., and Young.

Young, Herbert J., Wichita, Kans. Nonvibrating hub for wheels. 2,559,491, July 3.

Young, Howard: *See*—
Young, James R., H., and E. E.

Young, J. W., & Sons Limited, assignee: *See*—
Young, James R., H., and E. E.

Young, James R., H., and E. E., assignors to J. W. Young & Sons Limited, Redditch, England. Fishing reel. 2,558,896, July 3.

Young, Orel E.: *See*—
Arbiter, Nathaniel, and Young.

Youngstown Steel Door Company, The, assignee: *See*—
Madland, Thorvald.

Zahner, Hubert S., St. Louis, and W. S. Nash, Overland, Mo. Kitchen potato dicer. 2,559,554, July 3.

Zaiger, Louis, Swampscott, Mass. Windshield wiper mechanism. 2,559,208, July 3.

Zehner, Roger E.: *See*—
Brown, Ralph L., and Zehner.

Zenick, Raymond G., Burbank, Calif. Carrier rack for bottles. 2,559,060, July 3.

Zenith Radio Corporation, assignee: *See*—
Adler, Robert.

Zepelovitch, Nathan, Tel Aviv, Israel, assignor to N. A. Bernstein, New York, N. Y. Writing instrument. 2,559,555, July 3.

Zildjian, Avedis A., Quincy, Mass. Cymbal. 2,559,143, July 3.

Zinn, Julius A., Jr., Chicago, Ill. Lined carton. 2,558,918, July 3.

Zinn Walter H., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Measuring radiation of neutrons. 2,558,919, July 3.

Zinner, Daniel, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing indigo vat dye paste. 2,559,269, July 3.

Zukor, Arnold, Bronx, N. Y. Safety seat for cleaning windows. 2,559,102, July 3.

Zwicky Limited, assignee: *See*—
Spurin, Leslie T.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles and manufacturing the same. N. P. Robie and O. L. Mahlman. Re. 23,387, July 3.

Card, Recording and controlling. K. A. Knutsen. Re. 23,385, July 3.

Circuit for magnetic recorders, Coupling. M. Camras and R. E. Zenner. Re. 23,383, July 3.

Tentering or like machine for drying cloth or other material. J. Dungler. Re. 23,384, July 3.

Toy gun, Self-feeding paper bursting. O. A. Langos. Re. 23,386, July 3.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. E. Prushek. 1,020, July 3.

Rose plant. H. A. Verschuren. 1,019, July 3.

LIST OF DESIGN INVENTIONS

Airplane. H. V. Ramirez. 163,818, July 3.

Airplane. J. C. Risico. 163,819, July 3.

Apparel belt and writing implement, Combined. A. Rothchild. 163,823, July 3.

Ash tray. H. M. Brewster. 163,788, July 3.

Automobile lamp lens housing. D. E. Scott. 163,825, July 3.

Baby walker. V. Schreckengost. 163,827–8, July 3.

Badge. B. Creason. 163,793, July 3.

Bag, Baby's sleeping. E. Lehigh. 163,809, July 3.

Brassière slip, Strapless. H. Roth. 163,822, July 3.

Casket. W. L. Waldron. 163,837, July 3.

Chain for a bracelet or the like, Link. A. Philippe. 163,815–16, July 3.

Chain for a necklace or the like, Link. A. Philippe. 163,817, July 3.

Desk, Telephone. O. Torgerson. 163,834, July 3.

Dial and hands for a clock or similar article, Combined. L. K. Fargo. 163,797–8, July 3.

Disinfecting unit, Foot. A. Hyde. 163,804, July 3.

Dispenser or similar article, Cigarette. R. E. Johnson. 163,805, July 3.

Display attachment for automobiles. M. Marx and W. Deutschmann. 163,824, July 3.

Electrical appliance for defrosting refrigerators. C. B. Schultz. 163,829, July 3.

Fabric. H. Rose. 163,820, July 3.

Fabric trimming or similar article, Embroidered narrow woven. M. Rosenbaum. 163,821, July 3.

Finial for lamps or similar articles. J. M. Black. 163,786, July 3.

Fowl bleeder. W. M. Shoffner. 163,831, July 3.

Goblet or similar article. H. G. Kammerer. 163,806, July 3.

Holder, Safety razor. N. Eastman. 163,795, July 3.

Instrument for measuring a variable characteristic in an electric power conductor, Hook-on. E. O. Schweitzer, Jr. 163,830, July 3.

Jacket. S. Etkin. 163,796, July 3.

Kitchen cabinet pull. R. A. Stone. 163,833, July 3.

Lamp housing and filter holder for ultra-violet lamps, Combined. G. C. Smith and C. A. Hemsing. 163,832, July 3.

Lamp, Table. L. Moss and P. Ferrara. 163,813, July 3.

Necklace or similar article. A. Fleuridas. 163,799, July 3.

Nuthook. G. T. Brummel. 163,789, July 3.

Pen, Fountain. E. B. Blockert and A. Marino. 163,787, July 3.

Pitcher, Water. L. M. Schnitzer. 163,826, July 3.

Plate or similar article, Dinner. R. H. Garvin. 163,800–1, July 3.

Plate or similar article, Dinner. C. H. McKaig. 163,811, July 3.

Reflector head unit for lighting fixtures. J. A. Mehr. 163,812, July 3.

Schoolbag. S. E. Kaplan. 163,807, July 3.

Sign, Warning. J. V. Duda. 163,794, July 3.

Slipper. G. Cohn. 163,791–2, July 3.

Stand, Mobile diplay. M. A. Buchanan. 163,790, July 3.

Stocking. R. H. Weinberg. 163,836, July 3.

Store front. S. C. Wagenman. 163,835, July 3.

Stuffed dog. G. Grooms. 163,802, July 3.

Suit, Pram. C. A. Palmer. 163,814, July 3.

Tie, Bow. H. Mann. 163,810, July 3.

Tool, Combination. J. N. Amigone. 163,785, July 3.

Toy candy shop. J. W. Hazelton. 163,803, July 3.

Vehicle trailer body. J. B. King and E. Chosy. 163,808, July 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive bodies and making same. F. A. Hessel and J. B. Rust. 2,559,122, July 3.
Accumulator. J. Mercier. 2,558,770, July 3.
Acid-modified copolymers of drying oil acids, maleic-polyhydric alcohol esters, and making same. F. B. Root. 2,559,466, July 3.
Actuating means for metal parts washers. Pneumatic. C. B. Shanaman. 2,559,472, July 3.
Adjustable gate. W. A. Diefenbronn. 2,559,066, July 3.
Advancing reel. W. G. Esmond. 2,558,834–5, July 3.
Advertising device, Collapsible. F. W. Wolf. 2,559,489, July 3.
Advertising or display device, Self-supporting. F. W. Wolf. 2,559,488, July 3.
Aerial, Directional. R. Reulos. 2,559,092, July 3.
Agitating mechanism for agitating potato chips in cooking liquid. E. V. Wise, Sr. 2,558,892, July 3.
Air-conditioning apparatus. A. H. Kehoe. 2,559,217, July 3.
Air conditioning system and apparatus. E. J. Dillman. 2,558,937, July 3.
Air controller, Portable. R. W. Calkins. 2,559,495, July 3.
Aircraft refueling plant. L. T. Spurlin. 2,559,233, July 3.
Air filter for beer pump pressure systems. A. R. Dickschat. 2,559,284, July 3.
Airfoil structure and making same. G. Chausson. 2,558,819, July 3.
Air induction system for turbo-supercharged aircraft engines, including air intercooler and air interwarmer. E. C. Theiss. 2,558,797, July 3.
Airplane washer. F. E. Grossenbacher. 2,559,295, July 3.
Alkaline earth silicates of zirconium and compositions thereof. E. Wainer. 2,559,381, July 3.
Amplifier, High-fidelity. L. L. Pourciau. 2,559,515, July 3.
Animal trap. E. C. De Hart. 2,559,348, July 3.
Anode target for high-voltage high-vacuum uniform-field acceleration tubes. R. J. Van de Graaff and W. W. Buechner. 2,559,526, July 3.
Antenna. E. J. Bernet. 2,558,727, July 3.
Antenna, Television. M. D. Ercolino. 2,559,148–9, July 3.
Antiskid device, Automotive. L. S. Haracz. 2,559,425, July 3.
Apparatus for applying viscous coating compositions to wire. H. W. Sturgis and E. H. Olson. 2,558,993, July 3.
Apparatus for breaking scored glass sheets. J. R. Morris. 2,559,366, July 3.
Apparatus for controlling the intake manifold pressure of internal-combustion engines. L. Lee, II. 2,558,968, July 3.
Apparatus for controlling the thickness of a coating on a traveling web. L. B. Mulloy and R. H. Thompson. 2,558,773, July 3.
Apparatus for cutting bodies to a polygonal contour. C. S. Olson. 2,559,258, July 3.
Apparatus for extruding the contents of collapsible tubes. G. H. Snyder. 2,558,916, July 3.
Apparatus for facing leather or the like. H. A. Bernard. 2,558,811, July 3.
Apparatus for feeding sheets vertically. C. W. Spohr. 2,558,989, July 3.
Apparatus for manufacture of films and foils. G. and E. Frenkel. 2,559,420, July 3.
Apparatus for measuring liquid contents of tanks. S. G. Isserstedt. 2,559,436, July 3.
Apparatus for molding articles. H. L. Crowley and A. M. Hosseniopp. 2,558,823, July 3.
Apparatus for production of acetylene and other hydrocarbons. P. T. Liggett. 2,558,861, July 3.
Apparatus for pushing fish tape through conduits. J. G. Jacob. 2,559,160, July 3.
Apparatus for reforming thermoplastic sheets. E. F. and C. W. Middleton. 2,559,365, July 3.
Apparatus for roasting ores. E. Klepetko and P. de B. Kaye. 2,558,963, July 3.
Apparatus for scouring, bleaching, dyeing, or other similar operations on textile materials. J. Rottier. 2,559,030, July 3.
Apparatus for the manufacture of brick siding. C. G. Muench. 2,559,543, July 3.
Apparatus for tightening caps. W. B. Hullhorst and R. A. Pim. 2,559,358, July 3.
Apparatus for truing out-of-round can bodies. J. Drygulski. 2,558,741, July 3.
Apparatus for use in the manufacture of laminated tubes, tubular insulations, tubular bushings, and like tubular members from flexible strip material. A. A. Hodge. 2,558,849, July 3.

Arch support. C. B. Sheridan. 2,559,262, July 3.
Architectural model construction set. M. D. Schwartz. 2,559,261, July 3.
Arm shackle. C. O. Parker. 2,559,514, July 3.
Arrester. W. C. Hasselhorn and J. S. Baker. 2,559,426, July 3.
Articulated railway vehicle. J. MacVeigh. 2,559,540, July 3.
Artificial limb. H. G. Hanson. 2,559,017, July 3.
Artificial limb. C. N. Pace and E. O. Decker. 2,559,044, July 3.
Ash receiver. B. H. de Haven. 2,558,827, July 3.
Ash tray and extinguisher, Combined. F. N. Durbin. 2,559,188, July 3.
Ash tray for motor vehicles, Self-emptying. J. D. Thomoson. 2,559,178, July 3.
Automatic locking coupling pin. F. E. Milner. 2,558,907, July 3.
Automobile jack. J. E. Adams and G. E. Wagner. 2,559,182, July 3.
Automotive body and frame straightening apparatus. C. E. Jackson. 2,559,250, July 3.
Awning. D. L. Woodberry. 2,559,058, July 3.
Axial impact type rotary tool. P. H., E. N., and W. E. Carlson. 2,559,558, July 3.
Azo dyes produced by coupling a diazonium compound with 4-cyano-2,5-dialkoxyacetoacetanilides. W. H. von Glahn and H. A. Bergstrom. 2,559,181, July 3.
Bag forming and sealing machine. F. J. Pancratz. 2,559,368, July 3.
Bag stool combination. J. Tullis. 2,558,995, July 3.
Bag tying device. J. A. Mangold. 2,559,449, July 3.
Bar: *See*—
Tow bar.
Bar grinding apparatus. S. R. Ellison. 2,558,943, July 3.
Barrel cleaning apparatus. F. B. Roberts. 2,558,983, July 3.
Basin, Sanitary closet. B. Kulhavý. 2,559,019, July 3.
Batcher control mechanism. E. O. Martinson. 2,559,307, July 3.
Beacon, Course indicating light. O. S. Field, E. W. Moore, and F. S. Craig. 2,559,415, July 3.
Bearing for sliding members, Antifriction. H. K. Ferger. 2,559,292, July 3.
Benzene hexachloride, Manufacture of. H. D. Orloff. 2,559,569, July 3.
Binder, yarn. E. St. Pierre. 2,559,327, July 3.
Blanching nuts. P. Green. 2,558,899, July 3.
Board: *See*—
Flight progress board. Trimming board.
Bobbin spindle construction. J. J. Pichette. 2,559,461, July 3.
Body-supporting assemblage, Portable. H. A. Almoslino. 2,558,722, July 3.
Book, Floatable plastic. H. Ullmann. 2,558,996, July 3.
Bookrest. H. S. Chase. 2,558,931, July 3.
Booster socket wrench. S. M. Akins. 2,558,897, July 3.
Bottle carrier. J. C. A. Fortner. 2,559,150, July 3.
Bowling pin setting machine. W. C. Broekhuysen. 2,559,274, July 3.
Box: *See*—
Golf club box.
Man's jewelry accessory box.
Box cover switch. V. R. Despard. 2,558,739, July 3.
Brace, Leg. A. Seelert. 2,558,986, July 3.
Brace, Leg. W. L. Slodek, Sr. 2,559,473, July 3.
Brake: *See*—
On track railway brake. Vehicle brake.
Brake control apparatus. R. R. Stevens and R. C. Brooks. 2,558,885, July 3.
Brake lever structure. H. S. Jandus and W. Banta. 2,558,958, July 3.
Braking control system, Regenerative. B. J. Dalton. 2,559,346, July 3.
Braking device for agricultural vehicles. W. M. Woodard and A. E. Taylor. 2,558,917, July 3.
Brassière. G. W. Gluckin. 2,559,500, July 3.
Brominated phthalic anhydride, Manufacture of. T. R. Liston, S. M. Spatz, R. A. Mazur, and F. J. Glick. 2,558,862, July 3.
Burner: *See*—
Oil burner.
Burner and flame shield, Gas. J. R. Williams. 2,559,527, July 3.
Burner and surrounding baffle ring, Annular. W. W. Taylor. 2,559,265, July 3.
Burner control system, Fuel. R. E. Yates, J. M. Engel, and W. W. Riesche. 2,559,490, July 3.

Burner with internal-combustion chambers, Gas. J. B. Henwood. 2,559,504, July 3.
Cabinet: *See*—
Filing cabinet. Sanitary storage cabinet.
Cabinet door. E. J. Le Claire. 2,559,193, July 3.
Cabinet with column stand, Sewing machine supporting. W. A. Davidson. 2,558,826, July 3.
Cable: *See*—
Rubber insulated power cable.
Cacao process and product. N. W. Kempf and H. K. Murer. 2,558,854, July 3.
Calendar, Bracelet. M. Brunengraber. 2,559,211, July 3.
Calf weaner. W. Kues. 2,559,018, July 3.
Camera, Collapsible. J. Fried. 2,559,214, July 3.
Can handle. H. H. Hallstream. 2,559,190, July 3.
Can punch, Adjustable. B. L. Larson. 2,559,560, July 3.
Canopy, Prefabricated. S. W. Alderfer and F. R. Thompson. 2,559,209, July 3.
Capacitance attenuator. D. F. Bowman. 2,558,925, July 3.
Car step, Safety. L. W. Jackson. 2,559,123, July 3.
Carbon monoxide and other gases from carbonaceous materials, Production of. L. P. Gaucher. 2,558,746, July 3.
Carburetor. J. M. Barr. 2,558,921, July 3.
Carrier: *See*—
Bottle carrier.
Carrier material for agricultural chemicals. D. A. Kohr, Jr., and R. L. Milde. 2,558,762, July 3.
Carrier with interlocking partition elements. W. A. Ringler. 2,559,374, July 3.
Carrying case type folding table. W. J. Holt, Jr. 2,559,357, July 3.
Carton, Lined. J. A. Zinn, Jr. 2,558,918, July 3.
Cartridge belt feeding mechanism. E. H. Waltke. 2,558,801, July 3.
Case: *See*—
Film reel carrying case.
Case and tissure packet therefor, Pocket tissue. E. J. Barrett. 2,559,528, July 3.
Casing head esuipment. L. M. C. Seamark. 2,559,321, July 3.
Castable refractories. T. W. Ratcliffe. 2,558,782, July 3.
Casting method and compositions. J. S. Church and H. R. Tyler. 2,559,345, July 3.
Casting reel. E. Funk. 2,559,215, July 3.
Catalytic cracking and destructive hydrogenation of heavy asphaltic oils. W. C. Douce. 2,559,285, July 3.
Catch. E. M. Borchers. 2,559,145, July 3.
Cathode coatings. C. W. Becker. 2,559,530, July 3.
Cellular plastic wad. J. T. Brown and B. K. Daubenspeck. 2,559,275, July 3.
Cellulose products of improved wet strength, Manufacture of. C. S. Maxwell and C. G. Landes. 2,559,220, July 3.
Center and eccentric point marker. H. C. Cochran. 2,559,280, July 3.
Centrifuge construction. J. L. Merrill and W. A. Botke. 2,559,453, July 3.
Chamber pot for children. E. Miralta-Seix. 2,559,027, July 3.
Chicken picking finger. S. S. Barker. 2,559,001, July 3.
Chime. L. M. Alexander. 2,559,334, July 3.
Chloro-2-methylbenzofurans. G. H. Coleman and R. H. Rigterink. 2,559,532, July 3.
Choke for abrasive fluids. F. E. England. 2,559,069, July 3.
Cigarette case and friction lighter, Combined. J. Lowenthal and C. W. Moore. 2,559,303, July 3.
Circuit: *See*—
Electronic switch circuit.
Circuit arrangement, Deflection. J. M. Morgan. 2,559,512, July 3.
Circuit breaker switch. I. A. Paige. 2,558,908, July 3.
Circuit breaker with grounded operating motor, Multibreak gas blast. G. E. Jansson. 2,558,757, July 3.
Circuit for allowing independent or joint control of a plurality of servomotors, Hydraulic control. A. Dewandre. 2,559,065, July 3.
Circuit for preventing shock in transformerless radiophonographs. O. F. Cheney. 2,558,820, July 3.
Circuit for television receivers, Sweep. L. W. Parker. 2,559,316, July 3.
Circuit having shock prevention means, Phonograph. O. F. Cheney. 2,558,821, July 3.
Circuit maker. O. Jensen. 2,559,216, July 3.
Circuit maker and breaker, Pressure and time controlled. P. B. Drane and C. D. Laidley. 2,558,830, July 3.
Circuit with control voltage delay, Line pulse keyed automatic gain control. H. A. Bass. 2,559,038, July 3.
Circuits, Selective. E. N. Shawhan. 2,559,173, July 3.
Clamp: *See*—
Sliding clamp.
Clasp construction, Fabric. W. Gadomski. 2,559,293, July 3.
Cleaning coal. H. B. Johnson. 2,559,076, July 3.
Clinometer, Portable electromagnetic. G. H. McLaughlin and W. A. Robinson. 2,558,972, July 3.
Clock striking mechanism. A. W. Spurr. 2,559,476, July 3.
Clock, Sustained power electric. O. H. Dicke. 2,558,935, July 3.
Closure for a container neck and a measuring cup detachably secured in said neck by said closure. W. Numbers. 2,559,168, July 3.
Cloth-holding device for buttonhole attachments. J. Connors. 2,559,114–15, July 3.
Clutch: *See*—
Fluid engaged and released clutch.
Clutch operator for phonograph tone arm drives. S. G. Falk. 2,559,117, July 3.
Coal pusher. E. Martin. 2,559,541, July 3.
Coding device. R. N. Meyer. 2,559,455, July 3.
Collapsible wheeled vehicle. M. Partiot. 2,558,909, July 3.
Collar. I. W. Richardson. 2,559,226, July 3.
Collar protector. J. M. Darling. 2,559,406, July 3.
Coloring margarine and resulting product. E. F. Drew, H. G. Bissinger, and J. Kamlet. 2,559,411, July 3.
Combination bumper and license tag holder. D. M. Sartain. 2,558,880, July 3.
Combining fluids, Method and apparatus for. F. R. Russell. 2,559,516, July 3.
Compact, Cigarette ash and stub. I. Lundstrom. 2,559,254, July 3.
Composition and method for removing oil sludge. M. Weisberg. 2,559,574, July 3.
Compositions comprising polyacrylonitrile and β,β'-iminodipropionitrile. W. C. Schneider and J. J. Padbury. 2,559,172, July 3.
Compressor. R. W. Doeg. 2,559,067, July 3.
Concentrator for minerals in fine sized ranges. T. S. Bailey, Jr. 2,558,724, July 3.
Condensers, Making high voltage. G. H. Williams. 2,559,141, July 3.
Confection making apparatus. M. B. Rasmusson. 2,559,463, July 3.
Connector: *See*—
Line fit connector.
Connector lug. E. Gregory. 2,559,423, July 3.
Connector with tang and groove interlock, Electrical. S. J. Skony. 2,559,174, July 3.
Constant velocity joint. R. B. Ransom. 2,559,563, July 3.
Construction of buffing wheels. H. H. Bahr. 2,559,385, July 3.
Container: *See*—
Dispensing container.
Container. W. H. Ayres. 2,558,723, July 3.
Container. R. M. Dunning. 2,558,940, July 3.
Container and display kit. W. W. Hilton. 2,558,955, July 3.
Container filling apparatus with automatically timed filling and conveyor movement means. W. J. Boegly, E. C. Bennett, R. S. Morrison, and C. Powell. 2,559,242, July 3.
Container for hypodermic injection ingredients, Plurl-compartment packaging and dispensing. G. H. Seemar. 2,559,231, July 3.
Container for resistors or the like. R. N. Baggs. 2,558,920, July 3.
Container having cover locking means. F. L. Rushing and B. M. Williams. 2,559,320, July 3.
Container with extensible spout, Liquid. L. A. Sherry. 2,559,202, July 3.
Contouring surfaces, Method and apparatus for. J. P. Pearse. 2,558,778, July 3.
Control for presses. T. L. May. 2,559,195, July 3.
Control of hump and trimmer signals for classification yards. D. F. Cobourn. 2,559,401, July 3.
Control of hydrocarbon reactions in moving solids contacting systems. D. D. McKinney. 2,558,769, July 3.
Control system. G. E. Kentis, Jr. 2,558,761, July 3.
Controlling means for self-propelled miniature aircraft. V. Stanzel. 2,559,326, July 3.
Conversion to sulfur and/or sulfur dioxide of other sulfur compounds and catalysts therefor. P. X. Spillane. 2,559,325, July 3.
Convertible top structure. D. E. Bramble. 2,558,926, July 3.
Conveyer, Extensible reciprocating. A. Jarige. 2,559,192, July 3.
Conveyer mechanism. J. A. Eriksson. 2,558,832, July 3.
Conveying device. J. H. Helling. 2,559,299, July 3.
Cooker, Egg. A. A. Locke. 2,559,444, July 3.
Cooling and air conditioning device. D. E. McAllister. 2,559,164, July 3.
Copolymers of acrylonitrile, Preparing. G. E. Ham. 2,559,154, July 3.
Copper base alloys. J. Sykes. 2,559,031, July 3.
Copyholder. S. D. Mathews. 2,559,082, July 3.
Correcting magnetic compasses on carriers. W. T. Darrach. 2,558,934, July 3.
Cotton-picking apparatus receptacle and directing cotton thereinto. C. R. Hagen and D. B. Baker. 2,558,951, July 3.
Coupling: *See*—
Torque transmitting angle coupling.
Cover for vehicles, Collapsible. J. P. McNavage. 2,559,310, July 3.
Cowl for air-cooled internal-combustion engines for aircraft. B. G. Markham and D. J. Kenney. 2,558,865, July 3.

Crank means for laterally movable doors. T. Madland. 2,559,447, July 3.
Crate, Wooden carboy. J. R. Wallace. 2,559,236, July 3.
Crawler tractor shoe and rubber tread therefor. W. O. Bechman and W. W. Henning. 2,558,922, July 3.
Cushion, Bedpan. M. M. Fees. 2,559,246, July 3.
Cut out construction. W. O. Schultz. 2,558,985, July 3.
Cutting guide for cutting fishing bait. D. F. Hyland. 2,559,434, July 3.
Cymbal. A. A. Zildjian. 2,559,143, July 3.
Decolorization of polyolefinic hydrocarbon drying oils. P. D. May, L. M. Adams, and R. J. Lee. 2,559,083, July 3.
Deflection circuits, Cathode-ray. A. W. Vance. 2,559,525, July 3.
Degassing apparatus for platen presses. T. P. Tapper. 2,558,796, July 3.
Degrainer. A. Trod. 2,559,329, July 3.
Δ^{16}-20-cyano-pregnene compounds and preparing them. L. H. Sarett. 2,558,784, July 3.
Depth control hood mechanism for soil-working rotors. W. E. Claus. 2,558,822, July 3.
Desk and seat, Adjustable tubular metal school. I. A. Bruchet. 2,559,396, July 3.
Desulfurization of hydrocarbons. P. X. Spillane. 2,559,323, July 3.
Detachable bust separator. R. M. Goddard. 2,559,294, July 3.
Detection and measurement of penetrative radiation. C. G. Ludeman. 2,559,219, July 3.
Determining hardenability of steel. M. A. Grossmann. 2,559,016, July 3.
Device for administering enemata. G. E. McLaren. 2,559,086, July 3.
Device for cleaning, lubricating, and sealing barrels of guns. W. F. Schnitger. 2,559,376, July 3.
Device for illuminating radio cabinets. A. N. Quidor. 2,559,224, July 3.
Device for inserting corrections in a sequence of recorded intelligence. H. Kappeler. 2,558,853, July 3.
Device on machines manufacturing endless cable casings. A. C. Husnigg. 2,559,191, July 3.
Dibasic aromatic acids by oxidation, Preparation of. W. S. Emerson, T. C. Shafer, and R. A. Helmsch. 2,559,147, July 3.
Dicer, Kitchen potato. H. S. Zahner and W. S. Nash. 2,559,554, July 3.
Differentially operable accumulating mechanism. E. R. Lawson. 2,558,967, July 3.
Discharge conveyer mechanism for articles. R. E. J. Nordquist and F. F. Borkmann. 2,558,774, July 3.
Disconnector, Electrical. J. R. McFarlin. 2,559,024, July 3.
Dispenser: *See*—
Ice-cream dispenser. Odorant dispenser.
Dispensing apparatus, Liquid. G. A. Hunter. 2,559,432, July 3.
Dispensing cap with self-closing valve, having an agitator integral with the movable valve element. A. Sparacio. 2,559,522, July 3.
Dispensing closure for collapsible containers with delayed-action, self-closing valve. L. Goldberg. 2,559,070, July 3.
Dispensing container. E. B. Duell and A. Breau. 2,559,287, July 3.
Dispensing device, Automatic drinking cup. H. F. Bremer and J. A. Gondolfo. 2,559,063, July 3.
Dispensing device for tooth powder. C. E. Poyer. 2,558,981, July 3.
Dispensing valve. A. Doschek. 2,559,116, July 3.
Display device. R. B. and G. A. Bishop. 2,559,106, July 3.
Display figure, Motor actuated. A. A. and S. T. Schy. 2,559,201, July 3.
Distillation apparatus for removing oil from citrus fruit juices. J. A. Cross. 2,558,933, July 3.
Distributor, Electrically operated. H. B. Jaynes. 2,559,437, July 3.
Divided metals, Production of. G. D. Harrison. 2,558,750, July 3.
Door: *See*—
Cabinet door.
Door and ladder in the side of a craft, Combined. A. J. Moreno and C. L. Fenn. 2,558,975, July 3.
Door control system. H. K. Jones. 2,559,301, July 3.
Door fastener. G. E. Dath. 2,558,824, July 3.
Door operating mechanism. H. C. May and E. E. Hewitt. 2,558,867, July 3.
Double-ply leno fabric. S. Brierley. 2,559,341, July 3.
Dowel clasping assembly for poultry crates. T. W. Roberg. 2,559,464, July 3.
Draft tube valve. G. V. Arata. 2,559,336, July 3.
Drapery support. C. F. Hasselwander. 2,559,072, July 3.
Drawer for filing cabinets, Extension. C. W. Wikman. 2,559,380, July 3.
Drawer guide. A. F. Waller. 2,559,237, July 3.
Drill: *See*—
Percussion drill. Rock drill.
Drill set, Transplanter. L. L. Barnett. 2,559,183, July 3.
Drive, H. J. Findley. 2,559,416, July 3.
Drive fastener. O. J. Poupitch. 2,559,570, July 3.
Drum reactor, Rotary. E. G. Judd. 2,559,441, July 3.
Dry gluten, Production of. H. M. Weber. 2,559,551, July 3.
Drying compositions resistant to gas checking and frosting. H. Dannenberg. 2,559,347, July 3.
Drying hops. V. A. Bloxham. 2,559,107, July 3.
Drying machine, Drum. J. Dungler. 2,559,412, July 3.
Dunnaging device. H. E. Wiggin. 2,559,240, July 3.
Duplicating attachment for lathes. A. P. Waterson. 2,559,138, July 3.
Dust filter. H. J. Hersey, Jr. 2,559,428, July 3.
Dusting machine. R. R. Root. 2,558,914, July 3.
Dyestuffs of the anthraquinone series. S. Von Allmen, E. Gutzwiller, and J. Günthart. 2,559,330, July 3.
Dynamoelectric machine. L. W. Wightman. 2,559,382, July 3.
Dynamoelectric machine winding. P. L. Alger. 2,559,335, July 3.
Electrical control system. R. A. Fryklund and W. G. Gorton. 2,559,575, July 3.
Electrical heater. C. C. Doyle. 2,559,410, July 3.
Electrical indicating system. C. M. Crews. 2,558,736, July 3.
Electrical indicating system. G. H. Fritzinger. 2,558,945, July 3.
Electrical resistor. M. A. Thom. 2,558,798, July 3.
Electrochemical proportioning apparatus. R. M. Potter. 2,559,090, July 3.
Electrode with molded insulation. H. M. Richardson. 2,558,878, July 3.
Electroluminescent screens, Manufacture of. D. Charles. 2,559,279, July 3.
Electrolytic process of producing diacetone-keto-gulonic acid. A. Verheyden. 2,559,033–4, July 3.
Electron discharge device of the beam deflection type. H. C. Thompson. 2,559,524, July 3.
Electron discharge device of the focussed-beam type. R. Adler. 2,559,037, July 3.
Electronic counter. A. H. Dickinson. 2,558,936, July 3.
Electronic switch circuit. F. N. Gillette and R. W. Lee. 2,559,499, July 3.
Electropolishing of metals. H. B. Smith. 2,559,263, July 3.
Electrostatic coating method and apparatus. H. P. Ransburg. 2,559,225, July 3.
Electrostatic printing method and apparatus. W. J. Hooper. 2,558,900, July 3.
Engine. C. E. Leja. 2,559,079, July 3.
Engine control apparatus, Reversible. R. T. Whitney. 2,558,891, July 3.
Engine starter for automotive vehicles. G. L. Du Rostu. 2,558,831, July 3.
Engine with compound head, Internal-combustion. E. M. Waring. 2,559,484, July 3.
Ester-amides of amino-hydroxy compounds and derivatives thereof. W. A. Jordan and S. H. Shapiro. 2,559,440, July 3.
Esterlike derivatives of ortho: ortho'-dihydroxy-monoazo dyestuffs, Manufacture of. W. Widmer and A. Heckendorn. 2,559,331, July 3.
Ether esters, Unsaturated. J. R. Roach and H. Wittcoff. 2,559,171, July 3.
Extracting proteins, Method and apparatus for. J. H. Obey. 2,559,257, July 3.
Extractive distillation of alcohols with glycol ethers. P. V. Smith, Jr., and C. S. Carlson. 2,559,519, July 3.
Extractive distillation of alcohols with glycols. P. V. Smith, Jr., and C. S. Carlson. 2,559,520, July 3.
Extractor having separating means, Rotary vegetable juice. M. J. Thomas. 2,558,799, July 3.
Extruding press. A. F. Wnuk. 2,559,207, July 3.
Extrusion die and method. R. L. Templin. 2,559,523, July 3.
Fabric: *See*—
Double-ply leno fabric.
Fastener: *See*— Drive fastener.
Door fastener.
Fastener. G. A. Hansman. 2,558,720, July 3.
Fastener for hinged doors, Door. G. E. Dath. 2,558,825, July 3.
Fastening means for switch terminals. E. N. Jacobi. 2,558,851, July 3.
Faucet. A. A. Wyckoff. 2,559,268, July 3.
Feeding device for shaker conveyers. J. H. Holstein. 2,558,753, July 3.
Feeding of pulverized materials, Aerating. E. G. Bailey and R. M. Hardgrove. 2,559,557, July 3.
Feeler gauge holder. F. Koenig. 2,558,965, July 3.
Filing cabinet. E. C. Welskopf. 2,559,203, July 3.
Filing device, Loose-leaf. R. J. Ambler. 2,559,556, July 3.
Film advancing and guiding means in microfilm projectors. V. E. Pratt and G. F. Gray. 2,558,982, July 3.
Film reel carrying case. L. B. Goldberg. 2,558,839, July 3.
Filter: *See*—
Dust filter. Radio-frequency filter.
Oil sump air filter.
Filter. C. A. Winslow, W. G. Nostrand, and L. L. Moore. 2,559,267, July 3.
Filter unit, Blood transfusion. J. E. B. Shaw. 2,558,987, July 3.
Fireplace with movable reflector. R. Baines. 2,559,271, July 3.

Fishhook setter. S. K. Haynie. 2,559,537, July 3.
Fish lure. C. Mintner. 2,559,542, July 3.
Fish lure. G. G. Norris. 2,559,042, July 3.
Fish lure, Artificial. J. T. Pemberton. 2,559,169, July 3.
Fishing bait. W. F. Sparkman. 2,559,475, July 3.
Fishing float, Illuminated. H. B. McGlade. 2,559,084, July 3.
Fishing leader. J. L. MacAllister. 2,559,080, July 3.
Fishing reel. J. R., H., and E. E. Young. 2,558,896, July 3.
Fitting for flexible containers. M. M. Cunningham. 2,559,064, July 3.
Fixture support. R. G. Bernstein. 2,559,241, July 3.
Flask, Dental. T. A. Webber. 2,559,486, July 3.
Flexible fuel tanks, Making. R. E. Bailey. 2,558,807, July 3.
Flexible member. N. E. Lee. 2,558,763, July 3.
Flight attachment. E. C. C. Miller. 2,559,026, July 3.
Flight control device for model airplanes, Constant tension. O. L. St. Clair. 2,559,049, July 3.
Flight progress board. R. W. Hewes. 2,559,429, July 3.
Floor construction. W. F. Ogden. 2,559,198, July 3.
Flotation recovery of molybdenite. N. Arbiter and O. E. Young. 2,559,104, July 3.
Flotation washer. R. Cover. 2,559,403, July 3.
Fluid engaged and released clutch. N. Balmforth. 2,559,337, July 3.
Fluorine substituted amines. F. G. Pearson. 2,558,875, July 3.
Food, Dry infant. J. Lolkema. 2,559,022, July 3.
Food package, Frozen. F. A. Wool. 2,559,101, July 3.
Foot and leg rest for car seats, Adjustable. J. C. Lyon. 2,559,127, July 3.
Forming cast hollow articles. L. L. Johnston. 2,559,161, July 3.
Forming dyed shaped articles from acrylonitrile polymerization products. A. Cresswell. 2,558,735, July 3.
Fractional separation of air. N. W. Roberts. 2,559,132, July 3.
Fractionation of reduced crude oil. B. C. Benedict. 2,558,809, July 3.
Frame for optical mirrors. M. Engelmann. 2,559,290, July 3.
Freeze-dehydration of liquid bearing substances. E. P. Wenzelberger. 2,559,204, July 3.
Freeze dehydration of liquid substances. E. P. Wenzelberger. 2,559,205, July 3.
Freezer and dispenser, Ice cream and frozen confection. A. J. Tacchella. 2,559,032, July 3.
Freezer, Ice-cube. I. T. Erickson. 2,559,414, July 3.
Frequency control system. L. W. Buechler. 2,558,729, July 3.
Friedel-Crafts metal halide-ether complexes as polymerization catalysts. R. W. Dornte. 2,559,062, July 3.
Fuel control device for internal-combustion engines. J. A. Grant. 2,558,843, July 3.
Fulcrum type ignition contact breaker. F. J. Hooven. 2,559,568, July 3.
Full-stroke mechanism. E. K. Grip. 2,558,950, July 3.
Furnace construction. J. L. Drake. 2,559,350, July 3.
Fused cutout of the exposed link type. D. C. Hubbard. 2,558,956, July 3.
Fused drop-out cutout. D. C. Hubbard and W. L. Hollander. 2,558,957, July 3.
Garment hanger. J. D. Peacock, Sr. 2,558,910, July 3.
Garment hanger rod. H. E. Davis. 2,558,717, July 3.
Garment support. H. A. Tomarin. 2,559,096, July 3.
Gasholder having a ballast actuated piston, Dry. F. K. T. van Iterson. 2,559,137, July 3.
Gas turbine plant. H. C. May and E. E. Hewitt. 2,558,866, July 3.
Gate: *See*—
Adjustable gate.
Gauge: *See*—
Hosiery size gauge.
Gauge for adjusting turret ram feed stop mechanism, Setup. W. A. Meissner. 2,559,311, July 3.
Gear assembly for wrenches, Ratchet. R. O. Wright. 2,559,332, July 3.
Gear box for pumps. H. L. Gordon. 2,558,841, July 3.
Gear for internal-combustion engines, Starting. F. C. Gordon. 2,558,840, July 3.
Gear with drag strut dynamic damper, Landing. J. F. McBrearty. 2,559,451, July 3.
Gearing, Variable-speed frictional. H. Schottler. 2,559,230, July 3.
Generation of a sine wave. A. J. Baracket. 2,559,144, July 3.
Generator: *See*—
Oxygen generator. Shock wave generator.
Glass- and lamp-supporting showcase rail, Combined. P. M. Ressinger. 2,559,371, July 3.
Golf balls, Manufacture of. G. W. T. Leeson. 2,558,860, July 3.
Golf club box. C. D. Welshenbach. 2,559,352, July 3.
Grease, Baker's. R. S. Truesdell. 2,559,481, July 3.
Grinding apparatus, Spherical. D. A. Middaugh. 2,558,771, July 3.
Grinding machine. A. G. Belden. 2,559,531, July 3.
Grinding machine, Piston. C. J. Green. 2,559,534, July 3.
Guard for electric outlets, Safety. E. M. Getzoff. 2,559,151, July 3.
Guide, Drawer. C. M. Skamser. 2,559,322, July 3.
Guitar stand. L. E. Schaf. 2,559,200, July 3.
Gyro erection apparatus. O. H. Schuck. 2,559,094, July 3.
Gyroscopically controlled hydraulic actuating apparatus with follow-up and stabilizing mechanism. J. D. Tear. 2,559,577, July 3.
Hair retainer. A. Florio. 2,559,417, July 3.
Hair treating apparatus. H. N. Brown and S. S. Jones. 2,559,004, July 3.
Halogenated hydroxystilbazoles and derivatives thereof. D. Papa, E. Schwenk, and E. Klingsberg. 2,558,777, July 3.
Handle: *See*—
Can handle.
Handsaw with quick locking adjustments, Rotary power. F. D. Dolan. 2,558,829, July 3.
Hanger: *See*—
Garment hanger. Wall hanger.
Plate hanger.
Hanger for automotive vehicles, Clothes. W. A. Penn. 2,558,911, July 3.
Hanging device, Merchandise. R. A. Walker. 2,559,054, July 3.
Hardening printed ink films. A. F. Schmutzler. 2,558,787, July 3.
Harvester and cleaner, Potato. F. R. Wright. 2,558,894, July 3.
Headlight control, Automatic. D. B. LeCroy. 2,558,969, July 3.
Heat exchange devices, Making. J. R. Hayward. 2,558,952, July 3.
Heat exchanger. B. József. 2,559,272, July 3.
Heat pump and control means. E. J. Dillman and T. E. Noakes. 2,558,938, July 3.
Heater: *See*—
Electrical heater. Water heater.
Heater and burner housing therefor, Water. M. G. Burwell. 2,559,110, July 3.
Heating system controller. R. A. Lingen and L. E. Cross. 2,559,253, July 3.
Helper device. W. Worstenholm. 2,559,059, July 3.
High-discharge and low-charging mixer. E. H. Lichtenberg. 2,558,765, July 3.
Hinge, Folding leg bracket. A. D. Sheffer. 2,558,915, July 3.
Hinge for box covers, Snap-in. J. Coyle and W. F. Punte. 2,559,009, July 3.
Hoist, Portable. U. B. Mayer. 2,559,450, July 3.
Holder: *See*—
Combination bumper and license tag holder. Nursing bottle holder.
Feeler gauge holder. Piezoelectric crystal holder.
Hollow blade for gas turbines and the like. H. Oestrich, H. Rosskopf, A. Renner, and J. Valter. 2,559,131, July 3.
Honing device. G. F. Wagstaff. 2,559,052, July 3.
Hook: *See*—
Live bait hook.
Hosiery size gauge. L. Guild and R. K. Boadwee. 2,558,846, July 3.
Hub for wheels, Nonvibrating. H. J. Young. 2,559,491, July 3.
Hydraulic impact tool. A. L. Stone. 2,559,478, July 3.
Hydraulic power transmitting device. A. E. W. Johnson. 2,558,960, July 3.
Hydraulic unit. C. S. Lee. 2,559,125, July 3.
Hydrocarbon compositions. L. Schmerling. 2,558,882, July 3.
Hydrocarbon synthesis. P. C. Keith. 2,558,760, July 3.
Hydrodesulfurization of petroleum hydrocarbons. C. W. Montgomery, W. I. Gilbert, and S. M. Hazen. 2,559,457, July 3.
Ice-cream dispenser. T. R. Tesiero. 2,558,887, July 3.
Identification and signaling device for vehicles. W. Macdonald. 2,559,163, July 3.
Ignition switch lock. E. N. Jacobi. 2,558,852, July 3.
Imparting water repellency to fibrous materials and resulting products. J. W. Schick, H. D. Hartough, and D. E. Badertscher. 2,559,260, July 3.
Incendiary article. M. E. Barker. 2,558,726, July 3.
Incinerator. A. H. Riebschlager. 2,559,229, July 3.
Incinerator, Electric wall. A. H. Riebschlager. 2,559,228, July 3.
Inclined guide for slicing machine chutes. A. W. Lundell. 2,558,767, July 3.
Indicator: *See*—
Radio velocity indicator.
Indicator for bicycles, Air-speed. D. A. Comstock. 2,559,402, July 3.
Indigo vat dye paste, Producing. D. Zinner. 2,559,269, July 3.
Injector, Fuel. W. H. Mashinter. 2,559,364, July 3.
Insecticidal aerosols, Method and solution for producing. J. R. Reasenberg. 2,559,091, July 3.
Insecticidal and acaricidal composition comprising propylene glycol and an alkali ammonium seleno sulfide. J. B. Moore. 2,558,772, July 3.
Insole assembly for footwear, Removable. M. C. V. Fortier. 2,559,014, July 3.
Instrument, Arc and center point locating. O. F. Graff. 2,559,015, July 3.
Instrument case construction. I. Taegtstroem (Ralph Vidar). 2,559,480, July 3.

Instrument, Drawing. W. H. Schneider. 2,559,470, July 3.
Instrument for vocal amplifications, Musical. L. W. Kerner. 2,559,124, July 3.
Instrument, Multiple recording. W. P. Wills. 2,559,383, July 3.
Instrument, Photoelectric musical. R. E. Campbell. 2,559,276, July 3.
Instrument, String. O. E. Wolff. 2,558,893, July 3.
Instrument, Well surveying. R. Ring. 2,559,373, July 3.
Instrument, Writing. N. Zepelovitch. 2,559,555, July 3.
Insulating refrigerators and the like, Method and apparatus for. L. M. Hedges. 2,559,356, July 3.
Insulation testing device. D. E. Stearns. 2,558,883, July 3.
Insulator, Quick-detachable. W. A. Lewis. 2,559,218, July 3.
Intermittent movement. E. G. Mercier and A. F. Hayek. 2,559,509, July 3.
Iris protection apparatus for high-intensity spotlights. J. Kliegl. 2,558,964, July 3.
Ironing device carrying reversible pressing cloth. S. G. Shapiro. 2,559,550, July 3.
Isotope concentration process. A. V. Grosse and A. F. Reid. 2,559,152, July 3.
Jack: *See*—
Automobile jack.
Jig bushing retainer. O. R. Briney. 2,558,814, July 3.
Jig grinder. F. C. Victory. 2,559,180, July 3.
Joint: *See*—
Constant velocity joint. Universal joint.
Kelly bushing. W. A. Abegg. 2,558,806, July 3.
Kelley drive bushing, Adjustable. W. L. White. 2,559,100, July 3.
Kite rudder. F. O. Pinkham. 2,558,980, July 3.
Kneading apparatus. E. H. Ford. 2,559,418, July 3.
Knee joint for artificial limbs. F. C. and R. P. Lucas. 2,559,446, July 3.
Knitting attachment, Link reducing reciprocating. J. A. Yankeelov. 2,558,895, July 3.
Laminated sheet material for packaging moisture-containing foods. J. H. Bonini. 2,559,109, July 3.
Lamp assembly for printing and developing apparatus, Removable. J. Hruby. 2,559,159, July 3.
Lamp fixture and continuous mounting arrangement therefor, Ceiling. E. F. Guth, Jr. 2,559,424, July 3.
Lantern and reflector support with universally adjustable base. E. O. Brow. 2,559,003, July 3.
Lap changer for combing machines. O. C. Hinson. 2,559,074, July 3.
Latch for refrigerator car doors. J. S. Lundvall. 2,559,304, July 3.
Latch mechanism, Refrigerator door. R. W. Doeg. 2,559,068, July 3.
Letchable seat. F. O. Seigneur. 2,559,548, July 3.
Lathe, Multiple. M. Mialhe. 2,559,025, July 3.
Lay flat tubing, Manufacture of. J. Bailey. 2,559,386, July 3.
Lid, Time saver frying pan. N. J. Medved. 2,559,196, July 3.
Light unit, Marine. N. Michelman. 2,558,870, July 3.
Lighter construction. C. A. Fortin. 2,559,497, July 3.
Lighting device and radio receiver or loudspeaker, Combined. L. L. L. Pétel. 2,559,045, July 3.
Lighting system, Electric. W. B. Greenlee. 2,558,747, July 3.
Line fit connector. J. B. Clapp. 2,559,187, July 3.
Liquid feeding system, Internal-combustion engine. C. B. Pierce. 2,558,979, July 3.
Liquid fuel feeding means. H. B. Townley. 2,559,135, July 3.
Liquid magnesium, Production of. R. Fouquet. 2,558,744, July 3.
Lithium magnesium tungstate phosphor. A. P. Rice. 2,558,913, July 3.
Live bait hook. L. Dohmeyer. 2,559,409, July 3.
Load binder. E. J. Carroll. 2,559,185, July 3.
Loading device. M. A. Hollengreen and W. E. Happel. 2,559,430, July 3.
Lock: *See*—
Igultion switch lock.
Metal scaffold connection lock.
Lock assembly, Automobile hood. H. S. Jandus. 2,558,959, July 3.
Locking device. P. L. Porter and A. D. Armstrong. 2,559,047, July 3.
Loom: *See*—
Pile fabric loom.
Low methoxyl acid pectinate jelly composition. W. E. Barch. 2,559,338, July 3.
Lubricant, Synthetic. P. V. Smith, Jr. and A. H. Popkin. 2,559,521, July 3.
Lubricants, Synthetic. L. A. Mikeska and P. V. Smith, Jr. 2,559,510, July 3.
Lubricating device. W. H. Korn 2,559,041, July 3.
Lubrication system. G. R. Steele. 2,559,134, July 3.
Lumber dipping apparatus. A. E. Downes. 2,559,286, July 3.
Machine for applying pressure to shoe bottoms. H. Gulbrandsen, M. H. Ballard, L. S. Linderoth, Jr., and L. G. Knowles. 2,558,847, July 3.
Machine for assembling ammunition components, including resistance wire. J. P. Catlin, W. S. Reynolds, and H. E. Hutzelman. 2,559,278, July 3.
Machine for making an electrode assembly. P. L. Reed. 2,559,547, July 3.
Machine for making beaded strands. M. H. Stone. 2,559,479, July 3.
Machine for making packing cases. R. A. Muller. 2,558,874, July 3.
Machine for molding. A. M. Penrod. 2,559,545, July 3.
Machine for molding concrete blocks. E. Garnich. 2,559,422, July 3.
Machine for the manufacture of small floor-parquetting blocks. A. Stalder. 2,559,378, July 3.
Machine tool. R. Kurzweil. 2,559,360, July 3.
Magnetic separator. R. E. Crockett and P. S. Haselton. 2,559,565, July 3.
Magnetron. J. Kurshan. 2,559,506, July 3.
Making duplicate magnetic phonograph records. J. Hillier. 2,559,505, July 3.
Making socketed head screw blanks or the like. R. L. Wilcox. 2,559,140, July 3.
Mallet, Chimed. C. E. Anderson, Jr. 2,559,384, July 3.
Manicure and cutting device. W. L. Hewes. 2,559,156, July 3.
Manifold form and envelope, Combination. H. Brechner. 2,558,813, July 3.
Man's jewelry accessory box. L. and S. Eisen. 2,559,289, July 3.
Masher, Potato. C. M. Caylor. 2,559,186, July 3.
Measuring and dispensing device. J. J. Yearout. 2,558,998, July 3.
Measuring device for shortening. J. F. Thomas. 2,559,328, July 3.
Measuring device, Sanitary breast. F. V. Graf. 2,559,501, July 3.
Measuring machine, Yarn. J. K. Cobert. 2,559,113, July 3.
Measuring radiation of neutrons. W. H. Zinn. 2,558,919, July 3.
Meat-tendering machine. S. M. Abbott. 2,559,270, July 3.
Mechanical movement for profile and contour cutting machines. E. B. Swayne. 2,559,176, July 3.
Medical bath. J. Radelicki. 2,558,912, July 3.
Melamine-formaldehyde resin and acetanilide curing catalyst, Mixture of. E. B. Detwiler. 2,559,349, July 3.
Metal frame with inserted pins. K. J. Unwin. 2,559,573, July 3.
Metal scaffold connection lock. H. R. Scheidemantle. 2,559,469, July 3.
Metallizing glass sheets, Method and apparatus for. J. L. Drake and J. P. Pearse. 2,559,351, July 3.
Metals in blast furnaces, Producing. E. Edwin. 2,559,213, July 3.
Method and apparatus for use in knitting. J. P. Mecklenburger. 2,558,974, July 3.
Micrometer caliper with ball pivot and cam. H. Pickett. 2,559,170, July 3.
Mirror and making same. W. H. Harrison. 2,558,848, July 3.
Mixer: *See*—
High-discharge and low-charging mixer.
Mixing device, Fluid. H. Bruynes. 2,558,816, July 3.
Mixing system, Recirculating tank. C. W. Smith. 2,559,518, July 3.
Mixtures comprising polyacrylonitrile and polyvinyl formate. T. E. Stanin and J. B. Dickey. 2,558,793, July 3.
Mold: *See*—
Pipe mold.
Monofuel. J. A. Hannum. 2,559,071, July 3.
Motor and gauge plate control for slicing machines. A. W. Lundell. 2,558,766, July 3.
Motor having a check terminal operation thereof, Fluid pressure. A. J. Bent. 2,558,810, July 3.
Mounting and protecting device for cathode-ray tubes. R. A. Fisch. 2,559,353, July 3.
Mounting for rotary plows, Resilient tooth. H. J. Seaman. 2,559,048, July 3.
Multispeed transmission. C. S. Davis, Jr., G. B. Du Bois and S. W. Baker. 2,558,738, July 3.
Muzzle cover for firearms. J. L. Snowden. 2,558,792, July 3.
N-allyl derivatives of oxazolidine-2:4-diones, Manufacture of. J. S. H. Davies and W. H. Hook. 2,559,011, July 3.
N-substituted N'-nitroguanidines, Preparation of. A. F. McKay. 2,559,085, July 3.
Nitrogenous derivatives of petroleum sulfonic acids. J. L. Harlan. 2,559,503, July 3.
Nozzle for vehicles, Fire extinguisher. F. A. Dodelin. 2,559,408, July 3.
Nozzles for drying or other machines, Blowing. J. Dungler. 2,559,413, July 3.
Nursing bottle holder. F. Pettit. 2,558,978, July 3.
Nylon article and manufacture, Colored. L. L. Stott. 2,558,992, July 3.
Object detection system utilizing radio pulses. W. A. Miller. 2,559,511, July 3.
Odorant dispenser. C. B. Lien. 2,559,126, July 3.
Oil burner. J. D. Pesce. 2,558,779, July 3.
Oil filtering cartridge, Repackable. C. C. Schultz. 2,559,133, July 3.

Oil sump air filter. G. Wallace. 2,559,053, July 3.
On track railway brake. H. L. Bone. 2,559,392, July 3.
Opacifier for vitreous enamels and making. W. W. Coffeen. 2,558,932, July 3.
Optical value-comparing and operation control mechanism. P. H. Allen and B. J. Chromy. 2,558,721, July 3.
Organo-silicon compositions. C. A. Burkhard. 2,559,342, July 3.
Oscillator controlled relay system. W. H. Wannamaker, Jr. 2,559,266, July 3.
Oscillator frequency control for superheterodyne receivers and control devices, Local. C. E. Smith. 2,558,790, July 3.
Oven structure, Infra-red. W. H. Hudson. 2,559,249, July 3.
Oxide of copper rectifiers, Manufacture of. M. Reidel. 2,559,370, July 3.
Oxygen generator. C. B. Jackson and R. M. Bovard. 2,558,756, July 3.
Packaging machine, Sample. F. H. Thompson and W. D. Keith. 2,558,800, July 3.
Packer assembly for overshots. D. W. Osmun. 2,559,315, July 3.
Packing mechanism. C. D. Rice and G. G. Cook. 2,559,318, July 3.
Parking system. W. C. Brinton. 2,558,927, July 3.
Pattern controlled machine tool. A. G. Plimmer. 2,559,089, July 3.
Pen, Drawing. M. A. de Sierra. 2,558,828, July 3.
Pencil lead sharpening device. T. Itano. 2,558,902, July 3.
Percussion drill. E. E. Davis and W. M. Booth. 2,559,012, July 3.
Perspective drafting machine. D. M. Moore. 2,559,222, July 3.
Phase modulation. M. A. McCoy. 2,559,023, July 3.
Phase shifter, Saturable reactor. A. J. Hornfeck. 2,559,158, July 3.
Phenylcyanamides and obtaining the same. C. K. Banks and J. Controulis. 2,559,061, July 3.
Photographic apparatus. E. H. Land. 2,558,858, July 3.
Photographic developer dispensing element. E. H. Land. 2,558,856, July 3.
Photographic developer element. E. H. Land. 2,558,857, July 3.
Photooxidation of aliphatic olefinic hydrocarbons. V. R. Gray and H. Steiner. 2,558,844, July 3.
Piezoelectric crystal holder. H. W. Brown, Jr. 2,559,494, July 3.
Pile fabric loom. S. McKnight. 2,559,507, July 3.
Piling equipment for structural material. E. T. Peterson. 2,559,460, July 3.
Pilot with frictional precession and electric follow-up control, Automatic. F. A. Hayes. 2,559,298, July 3.
Pin: *See*—
Automatic locking coupling pin.
Pipe mold. A. Hansen. 2,559,296, July 3.
Plasticized polyvinyl resin compositions. D. E. Terry and D. H. Wheeler. 2,559,177, July 3.
Plate hanger. L. E. Williams. 2,559,057, July 3.
Plow, Disk. A. E. Rutter. 2,559,517, July 3.
Plow, Subsoil. C. H. Gemberling and R. J. Altgelt. 2,558,948, July 3.
Plugging device for door locks. P. Sevčik. 2,559,549, July 3.
Plural armature relay. H. Perkins. 2,559,199, July 3.
Pneumatic and air sweep closure. C. C. Sperling. 2,559,564, July 3.
Polarized electromagnetic relay. R. E. H. Carpenter. 2,559,399, July 3.
Polymeric polyether polyhydric alcohols. S. O. Greenlee. 2,558,949, July 3.
Polymerization with tetraborohypophosphoric acid catalyst. W. W. Johnstone. 2,559,576, July 3.
Polymers of acrylonitrile, Preparing. E. C. Chapin and G. E. Ham. 2,559,155, July 3.
Polysilicon oxyhalides. R. R. Myers. 2,559,167, July 3.
Positioner, Printing plate. J. S. Daniels. 2,559,533, July 3.
Potentiometer. J. G. Brady and C. H. Jackson. 2,559,394, July 3.
Pouch and making same, Tobacco. T. E. Piazze. 2,558,780, July 3.
Power transmission. R. Bourget. 2,559,393, July 3.
Pregnane 20-cyanohydrins. L. H. Sarett. 2,558,786, July 3.
Preparing and canning cabbages. M. Marinkovich. 2,559,081, July 3.
Preparing resins from diisobutylene and cracked petroleum condensates. J. Garber, W. J. Sparks, and D. W. Young. 2,559,498, July 3.
Preparing shaped products from polymers and copolymers of acrylonitrile. A. Cresswell. 2,558,730, July 3.
Preparing simple tertiary thenylamines. H. D. Hartough and S. J. Lukasiewicz. 2,559,567, July 3.
Press: *See*—
Extruding press. Soap press.
Propeller shank forming press.
Press for vulcanizing mechanical articles. L. E. Soderquist. 2,559,377, July 3.
Pressure measuring. C. P. Yaglou. 2,558,805, July 3.
Preventing loss of cold air from refrigerated spaces. H. H. Voelker. 2,558,997, July 3.
Printing plate and manufacturing. T. I. Ress. 2,558,877, July 3.
Printing system, Electric. W. J. Hooper. 2,558,901, July 3.
Printing thermoplastic sheets. L. H. and F. M. Smith. 2,558,791, July 3.
Producing glass fibers, Method and apparatus for. C. J. Stalego. 2,559,572, July 3.
Producing precision images. A. R. A. Beeber, D. D. Jacobus, and C. W. Keuffel. 2,559,389, July 3.
Producing synthetic fibers from polymers and copolymers of acrylonitrile. A. Cresswell and I. Wizon. 2,558,733, July 3.
Progressively electric resistance butt welding seams at high speed, Method and apparatus for. S. and A. Westin. 2,558,889, July 3.
Projection apparatus for positive and negative image pairs. W. S. Aldrich. 2,558,999, July 3.
Propeller guard for outboard motors. W. W. K. Van Nort. 2,559,179, July 3.
Propeller shank forming press. F. A. Gruetjen. 2,558,845, July 3.
Protector: *See*—
Collar protector.
Pulsator. S. J. Erling. 2,559,244, July 3.
Pulsator, Milking machine. S. P. Wall. 2,559,035, July 3.
Pump: *See*—
Surge type vacuum pump.
Pump. J. R. Frei. 2,558,837, July 3.
Pump. D. O. Manseau. 2,559,255, July 3.
Pumping mercury. R. B. Cox. 2,559,404, July 3.
Purification of chloral. M. T. Goebel, J. W. Langston, D. J. Loder, and H. T. Siefen. 2,559,247, July 3.
Purifying ethylene diamine di-acetic acid. F. C. Bersworth. 2,558,923, July 3.
Push-button contactor. P. M. Christensen. 2,559,112, July 3.
Putty tool. L. Wolff. 2,559,553, July 3.
Rack for bottles, Carrier. R. G. Zenick. 2,559,060, July 3.
Radio direction finding means for aviation trainers, Simulated. G. A. Decker. 2,559,039, July 3.
Radio-frequency filter. A. V. Haeff. 2,558,748, July 3.
Radio velocity indicator. E. T. Jaynes. 2,558,758, July 3.
Ram feeder for burning wood refuse. H. Kreisinger. 2,558,905, July 3.
Razor. J. Lefkowitz. 2,558,859, July 3.
Razor, Safety. R. A. Griffin. 2,559,189, July 3.
Readily locatable magnetic go-devil. J. M. Pearson. 2,558,977, July 3.
Reamer for making dovetail holes, Expansible. M. S. Bencur. 2,559,184, July 3.
Receptacle closure. A. L. Langel. 2,559,361, July 3.
Receptacle for injection syringes. E. A. Ericsson and S. C. Johansson. 2,558,742, July 3.
Receptacle for smoking tobaccos, Humidified. J. J. and R. R. Hasbrook. 2,559,297, July 3.
Reclamation of rubber in the presence of α,α-dialkylarylmethyl hydroperoxide. J. R. Lewis. 2,558,764, July 3.
Reconditioning of phonographic records. F. G. Kelly. 2,559,539, July 3.
Record controlled accumulating mechanism. R. B. Johnson. 2,558,961, July 3.
Record controlled machine. B. M. Durfee. 2,558,941, July 3.
Record controlled register actuating mechanism. W. Henninger and H. J. Hollsberg. 2,558,953, July 3.
Recording system, Seismic. M. D. McCarty. 2,558,868, July 3.
Recovering sulfonates. R. C. Jones and A. W. Clark. 2,559,439, July 3.
Recovering waste cooking oils. W. L. McColm. 2,558,869, July 3.
Reel: *See*—
Advancing reel. Fishing reel.
Casting reel. Yarn advancing reel.
Reel for controlling self-propelled model airplanes, Automatic. O. L. St. Clair. 2,559,050, July 3.
Refining petrol. L. B. Lundquist. 2,558,863, July 3.
Refractory material. M. W. Caton. 2,559,343, July 3.
Refrigerating apparatus. L. A. Philipp. 2,559,087, July 3.
Refrigeration system. F. K. Storm, Jr., and E. H. Smiley. 2,559,095, July 3.
Refrigerator. W. L. Morrison. 2,559,367, July 3.
Refrigerator, Portable. P. Hertzberg. 2,559,121, July 3.
Regenerative heat exchanger. S. Holm. 2,558,752, July 3.
Reinforced cast structure. B. W. Fromson. 2,558,946, July 3.
Relay, Alternating current vane. W. K. Maenpaa. 2,559,448, July 3.
Relay circuits, Time-delay. E. H. Meier. 2,559,508, July 3.
Releasable manual control. C. Norton and P. O. Hooker. 2,559,197, July 3.
Remote-control system. M. T. Blease and E. Schafranik. 2,559,339, July 3.
Remote-control system. C. B. Trimble. 2,558,888, July 3.
Removing gaseous and readily vaporizable materials from liquids, Method and apparatus for. B. D. Miller. 2,559,129, July 3.

Removing scale from steel. J. A. Lotz. 2,559,445, July 3.
Removing sulfate and bicarbonate ions from water. W. C. Bauman. 2,559,529, July 3.
Reproducing machine. D. R. Trinkle. 2,559,097, July 3.
Reservoir for feeding automatic bottle-making machines operating by suction, Supplementary. C. H. A. Salgueiro dos Santos Gallo. 2,559,467, July 3.
Resiliently mounted operator's station for tractors. H. F. Bryan. 2,558,928, July 3.
Resin and process for its manufacture by condensation of a phenol, an alkyl aromatic hydrocarbon, and a polyenic hydrocarbon. H. S. Bloch. 2,558,812, July 3.
Resistance element and preparing same. R. C. Johnson and C. G. Westerberg. 2,559,077, July 3.
Ring form support. E. J. Bradley. 2,559,210, July 3.
Riveting machine for car roof construction. G. T. Harcourt. 2,559,248, July 3.
Road roller, Detachable. G. Hastings. 2,559,427, July 3.
Road sign. T. H. R. Emmerson. 2,558,944, July 3.
Rock drill. J. C. Curtis. 2,559,282, July 3.
Rod: *See*—
Garment hanger rod.
Rod comprising bonded fibrous material and making same. N. W. Knewstubb and C. A. Robb. 2,558,855, July 3.
Rod handle and fishing reel, Combined. E. P. Hurd. 2,559,433, July 3.
Röntgen tube. B. V. Valtersson. 2,559,136, July 3.
Room structure. O. A. Kuhler. 2,559,443, July 3.
Rotary can washer. W. S. Campbell. 2,558,818, July 3.
Rotary hoe wheel. E. R. Simon. 2,559,232, July 3.
Rotary hydraulic swivel. L. W. Stahl and H. E. Young, Jr. 2,558,990, July 3.
Rotary hydrokinetic torque converter with cooling system. C. M. O'Leary. 2,558,976, July 3.
Rotary starting means for rotary engines with cartridge chamber and surplus gas releasing means. T. Clapham. 2,559,006, July 3.
Rotary step switch. A. F. Horlacher. 2,559,075, July 3.
Rotor balancing means. V. L. Darnell. 2,558,737, July 3.
Rubber insulated power cable. S. Bunish and H. C. Wittboft. 2,558,929, July 3.
Safety control equipment for fluid pressure brakes. A. T. Gorman. 2,558,842, July 3.
Sanitary storage cabinet. E. Dornbush. 2,558,939, July 3.
Sanitizing composition. C. Eagleson. 2,558,942, July 3.
Saw. W. Grupp. 2,559,355, July 3.
Saw, Multiple purpose radial. H. Dick, Jr. 2,559,283, July 3.
Saw set for bucksaw blades. E. A. Hyvonen. 2,559,359, July 3.
Scale, Weighing. N. E. Hart. 2,559,566, July 3.
Scanning control system. A. V. Bedford. 2,559,492, July 3.
Screw driver having expandible bit portion. W. F. Wienholtz. 2,559,206, July 3.
Seal for rotary fuel pumps. D. E. Lipfert. 2,558,970, July 3.
Seat: *See*—
Latchable seat.
Seat for cleaning windows, Safety. A. Zukor. 2,559,102, July 3.
Seismographic prospecting apparatus. R. L. Henson, Jr. 2,558,954, July 3.
Seismographic prospecting apparatus for directing explosive energy. N. B. Blake. 2,558,924, July 3.
Selection of oriented seed plates for quartz synthesis. I. I. Friedman and O. F. Tuttle. 2,558,745, July 3.
Separating oxidizable materials from liquids by oxygenation and aerobic biochemical action, Method and apparatus for. M. Pirnie. 2,559,462, July 3.
Separation of isoparaffins. A. E. Hirschler. 2,559,157, July 3.
Separation of sterols from mixtures. J. T. Hackmann. 2,559,153, July 3.
Separator: *See*—
Detachable bust separator. Magnetic separator.
Servicing machine for building tires. E. C. Kastner. 2,558,903, July 3.
Servo system with saturable core component. J. P. Palmer. 2,559,513, July 3.
Set trigger mechanism. E. E. Miller. 2,558,872, July 3.
Sewing machine, Zig-Zag. J. Jocsak and H. F. Fox. 2,559,439, July 3.
Sewing spacer for buttons. E. K. Lane, Jr. 2,558,966, July 3.
Shade, Sliding automobile. J. N. Schrock. 2,559,471, July 3.
Shaft and universal joint assembly, Propeller. A. A. Warner. 2,559,485, July 3.
Sharpener, Knife. G. A. Brinkley. 2,559,273, July 3.
Sheath removable machine. R. S. Baker. 2,559,387, July 3.
Sheet and envelope feeding device. F. J. Furman. 2,558,947, July 3.
Sheet feeding mechanism. E. S. Tascher. 2,559,235, July 3.
Shield and making same. Frost. C. F. Walz. 2,559,098, July 3.
Shield for windshields, Snow, ice, and frost. E. V. Bryant. 2,558,817, July 3.
Shock wave generator. F. Rieber. 2,559,227, July 3.
Shoe tree. W. H. Doherty. 2,558,740, July 3.
Shoe, Ventilated. J. W. Meaker. 2,558,973, July 3.
Sign: *See*—
Road sign.
Sign post. N. Louft. 2,559,302, July 3.
Signaling apparatus, Coded. H. G. Blosser and F. H. Nicholson. 2,559,391, July 3.
Skate, Scooter. R. F. Foran. 2,559,118, July 3.
Skein winding machine. F. Osborne. 2,559,314, July 3.
Ski binding. J. Lehmkuhl. 2,559,020, July 3.
Ski chute, Artificial. R. H. Johnson. 2,558,759, July 3.
Sled, Steerable. M. N. McLellan. 2,559,452, July 3.
Sliding clamp. W. Murray. 2,559,223, July 3.
Soap press. C. Roma, Jr. 2,558,879, July 3.
Socket for bolts, Anchoring. G. F. Croessant. 2,559,281, July 3.
Socket, Rectifier tube. H. Hubbell and J. F. Healey. 2,558,755, July 3.
Soluble copolymers of polymerizable monomers and drying oil acids-unsaturated dicarboxylic acid-polyhydric alcohol esters and making them. F. B. Root. 2,559,465, July 3.
Sound reproducing system and apparatus. C. Gauthier. 2,559,354, July 3.
Source of beta rays, Making a. J. R. Raper. 2,559,259, July 3.
Speed control, Motor. H. S. Jacobs. 2,559,538, July 3.
Speed control with penalty means in continuous inductive train control systems. C. S. Bushnell. 2,559,397, July 3.
Spool. A. J. Weiss. 2,559,056, July 3.
Spool combined with thread guide and axial receptacle, Conical. M. Becker. 2,558,808, July 3.
Spot glue applicator for carton making machines. H. V. H. Stoever, Jr. 2,559,175, July 3.
Spray gun. W. P. Dalrymple. 2,559,407, July 3.
Spray gun, Multicolor. J. A. Paasche. 2,559,544, July 3.
Spray head. S. Isenberg. 2,559,559, July 3.
Spring and the like, Automobile. T. A. Banning, Jr. 2,559,105, July 3.
Spring construction. W. C. Anderson. 2,559,103, July 3.
Spring retainer for balancers. E. W. Stevens. 2,559,264, July 3.
Spring support mechanism. D. V. James. 2,559,251, July 3.
Spring suspension assembly. A. T. Watson. 2,559,239, July 3.
Stabilized compositions containing high molecular weight halogenated materials. F. M. Abell. 2,559,333, July 3.
Stabilizer for wide pressure planes. D. K. Warner. 2,559,036, July 3.
Stake for logging trucks and railroad cars, Bunk. J. S. Cliffe. 2,559,007, July 3.
Stand: *See*—
Guitar stand.
Stand. D. Perlstein. 2,559,317, July 3.
Staple fiber from polymers and copolymers of acrylonitrile, Producing. A. Cresswell. 2,558,732, July 3.
Starch adhesive sheet material and composition therefor. L. R. Nestor. 2,559,043, July 3.
Steering assembly, Three-wheel. O. E. Szekely. 2,559,379, July 3.
Steering mechanism, Short turn. J. O. Woodworth. 2,559,142, July 3.
Stitch separating machine. C. W. Baker. 2,558,725, July 3.
Stitching device. C. L. Mollis. 2,558,873, July 3.
Storm and screen combination, Self-storing. R. L. Brown and R. E. Zehner. 2,559,005, July 3.
Storm window. J. Gea. 2,558,719, July 3.
Stove, Collapsible. J. D. Brown. 2,559,243, July 3.
Structure for weighing apparatus, Dial. J. Bird. 2,559,493, July 3.
Styptic attachment for razors. S. S. Cesar. 2,559,344, July 3.
Styrene copolymers. R. R. Morner and D. T. Mowry. 2,559,166, July 3.
Sulfuric acid regeneration. E. A. Epps, Jr. 2,559,496, July 3.
Support: *See*—
Arch support. Garment support.
Drapery support. Ring form support.
Fixture support.
Support and tightener, Clothesline. W. W. Miller. 2,559,130, July 3.
Surge type vacuum pump. E. M. Hadley. 2,559,502, July 3.
Survey system, Automatic radio listener. W. D. Horn and J. R. Ragazzini. 2,558,754, July 3.
Switch: *See*—
Box cover switch. Rotary step switch.
Circuit breaker switch. Thermostatic switch.
Switch. J. H. Robinson, Jr., and R. D. Scott. 2,558,783, July 3.
Switch and control, Conveyer runway. H. C. Hebert. 2,558,751, July 3.
Switch apparatus. E. M. Warren. 2,559,055, July 3.
Switchboard, Telephone. L. Micha. 2,559,561, July 3.
Switch machine for railroads. J. E. Stephenson. 2,559,477, July 3.
Synthetic fibers from polymers and copolymers of acrylonitrile, Producing. A. Cresswell. 2,558,731, July 3.
Syringe, Hypodermic and spinal. A. J. Son. 2,559,474, July 3.

System for amplifying small direct currents. C. H. Fay. 2,559,245, July 3.
System of fuelless refrigeration and heating for containers. V. Stark. 2,558,794, July 3.
Tabernacle. J. F. Campbell. 2,558,898, July 3.
Table: *See*—
Carry case type folding table.
Table and benches, Folding dinette. J. M. Leonard. 2,559,021, July 3.
Tachymetric sight. S. G. Isserstedt. 2,559,435, July 3.
Tandem office for telephone systems, Crossbar. J. B. Newsom. 2,559,312, July 3.
Tanning substances, Manufacture of. M. Mangold and F. Neuber. 2,559,305, July 3.
Tape and the like, Measuring. J. B. Carroll. 2,559,111, July 3.
Tea sirup and making same. M. Lindsey. 2,559,194, July 3.
Telephone system, Carrier current. I. Molnar. 2,559,165, July 3.
Television system. R. D. Kell. 2,559,078, July 3.
Temperature controlled air throttling apparatus and controlling supply of air to internal-combustion engines. G. Steven and R. R. Fruehauf. 2,558,884, July 3.
Termination for telegraph lines. R. M. M. Oberman. 2,559,562, July 3.
Testing apparatus, Television receiver. B. H. Baldridge. 2,559,388, July 3.
Testing machine, Spring. H. H. Clark. 2,559,400, July 3.
Thermometer. G. E. Ford. 2,558,743, July 3.
Thermometer holder releasably attachable to bedposts. G. M. McCormick. 2,558,768, July 3.
Thermometer, Thermocouple. T. Shedlovsky. 2,559,571, July 3.
Thermostable polymeric vinylidene chloride composition. E. C. Britton and W. J. Le Fevre. 2,558,728, July 3.
Thermostat for water circulating systems. R. B. Head. 2,559,073, July 3.
Thermostatic switch. H. A. Rike. 2,559,372, July 3.
Thiophene preparation from hydrocarbons, alcohols, or monohalo hydrocarbons and sulfur dioxide. L. W. Devaney, J. T. Clarke, and C. H. Culnane. 2,558,716, July 3.
Thiourea-aldehyde sealing agents and making the same. S. S. Kurtz, Jr., and J. S. Sweely. 2,559,162, July 3.
Thread-treating apparatus. A. Cresswell. 2,558,734, July 3.
3-pyridoxy-alkanoic acid compounds. R. P. Perkins. 2,559,546, July 3.
Tie bar for heat exchange headers. W. F. Matheny. 2,559,256, July 3.
Tire curing apparatus and method. P. A. Frank. 2,559,119, July 3.
Tire rim, Separable and demountable. L. J. Ebert. 2,559,288, July 3.
Tool: *See*—
Axial impact type rotary tool. Pattern controlled machine tool.
Hydraulic impact tool. Putty tool.
Machine tool.
Tool for applying antiskid chains. D. G. Trowbridge. 2,558,994, July 3.
Tool for pottery ware, Jiggering. D. M. Edgar. 2,559,352, July 3.
Tool for strips of leather, Cutting. J. Engeln. 2,559,291, July 3.
Tool structure, Boring. O. R. Briney, Jr. 2,558,815, July 3.
Tooth for sulky rakes. P. E. Kamp. 2,559,252, July 3.
Top construction, Folding. J. W. Votypka. 2,559,482, July 3.
Torque transmitting angle coupling. A. H. Rzeppa. 2,559,093, July 3.
Tow bar. V. T. Whitlow. 2,559,487, July 3.
Toy, Bird animal figure. A. J. Stephens. 2,558,795, July 3.
Toy, Counting. C. E. McCormick. 2,559,309, July 3.
Toy parachute and projector therefor. E. L. Orr. 2,559,458, July 3.
Toy with projector, Marble shooting coaster. F. J. Scharkopf. 2,558,881, July 3.
Track unit, Miniature. S. Schaffan, Jr. 2,559,375, July 3.
Traffic control system, Centralized. D. Blaisdell. 2,559,390, July 3.
Trailer hitch. P. R. Leon. 2,558,906, July 3.
Transfer mechanism. H. F. Phillips. 2,559,369, July 3.
Transfer sheet and method. C. Wittgren. 2,558,803, July 3.
Transferring an image and transfer sheet therefor. C. Wittgren. 2,558,804, July 3.
Transformer, High-frequency impedance. W. W. Hansen and J. R. Woodyard. 2,558,749, July 3.
Translating system having a varying reactance, Capacitor type. J. O. Mesa. 2,559,454, July 3.
Transmission. F. R. McFarland. 2,559,128, July 3.
Transmission efficiency tested by modulating carrier with low-frequency and measuring low-frequency modulation component. F. J. D. Taylor and D. G. Tucker. 2,558,886, July 3.
Transmitter, Code. W. A. Dougherty. 2,558,718, July 3.
Transmitting apparatus in track circuit signaling systems, Code. M. A. Scheg. 2,559,468, July 3.
Trap: *See*—
Animal trap.
Tray and grid structure, Ice. K. T. White. 2,558,802, July 3.
Tray, Ice. J. H. Roethel. 2,558,984, July 3.
Treating paper. J. T. Stearn. 2,559,234, July 3.
Treating water-swollen polymers. J. D. Pollard. 2,558,781, July 3.
Treatment of catalytic gas oils. L. B. Goodson. 2,558,838, July 3.
Treatment of sugar. R. T. Northcutt and R. T. Northcutt, Jr. 2,558,775, July 3.
Treatment of sulfur-containing materials. P. X. Spillane. 2,559,324, July 3.
Trigger attachment for firearms. R. E. Cutler. 2,559,010, July 3.
Trigger mechanism. E. E. Miller. 2,558,871, July 3.
Trimethylisothiocyanatosilane. B. A. Bluestein. 2,559,340, July 3.
Trimming board. E. C. Pierce. 2,559,088, July 3.
Truck, Railway. W. H. Meyer. 2,559,456, July 3.
Truck, Railway locomotive driving. W. M. Sheehan. 2,558,988, July 3.
Tube: *See*—
Röntgen tube.
Tube having low tube losses, Controllable electron discharge. W. G. Brown. 2,559,395, July 3.
Tuning fork driver. A. N. Stanton. 2,558,991, July 3.
Turbine wheels, Making. D. P. Eastman and T. L. Swanson. 2,559,013, July 3.
Turntable transfer, Vertically movable. D. C. Robson. 2,559,319, July 3.
20-cyanopregnenes and process. L. H. Sarett. 2,558,785, July 3.
Umbrella for use on boats. J. M. Garrett. 2,559,421, July 3.
Universal joint. A. Boge, Sr., and A. Boge, Jr. 2,559,108, July 3.
Upper trimming machine. J. W. Pratt. 2,558,876, July 3.
V-shaped expansible harrow. C. R. Brock. 2,559,002, July 3.
Vacuum cleaner with selective nozzles and brushes. J. A. C. Malchus. 2,558,864, July 3.
Valve: *See*—
Dispensing valve. Draft tube valve.
Valve. W., G., and M. Crevatin 2,559,405, July 3.
Valve. N. J. Peters and K. W. Flentje. 2,559,046, July 3.
Valve having pressure responsive means for varying the superheat setting thereof, Thermostatic expansion. F. Y. Carter. 2,558,930, July 3.
Valve structure, Fluid. L. A. Kempton. 2,558,962, July 3.
Vase, Illuminated artificial flower. H. T. Nordstrom. 2,559,313, July 3.
Vegetable treatment process. D. D. Peebles, P. D. Clary, Jr., and R. K. Meade. 2,559,459, July 3.
Vehicle: *See*—
Articulated railway vehicle. Collapsible wheeled vehicle.
Vehicle body, Removable. A. A. Randolph. 2,559,029, July 3.
Vehicle brake. T. K. Mace. 2,559,363, July 3.
Vehicle wheel with improved hub cap mounting. A. G. Feldman. 2,559,040, July 3.
Velocity control for aircraft, Vertical. R. Hofstadter. 2,558,850, July 3.
Ventilating assemblage, Storm sash. W. C. Hansen. 2,559,535, July 3.
Ventilating system for vehicles. L. S. Greenmun. 2,559,120, July 3.
Vessel having means for cutting open and holding a metallic container, Drinking. E. H. Langfeld. 2,559,362, July 3.
Vinyl chloride resins plasticized with chloro phenoxy acetates. J. Dazzi. 2,559,146, July 3.
Volatilizable metals, Continuous production of. R. Fouquet. 2,559,419, July 3.
Voltage variator control. H. E. Carson. 2,559,277, July 3.
Wall covering. J. van Hulst. 2,559,051, July 3.
Wall hanger. H. W. West. 2,559,099, July 3.
Washer: *See*—
Airplane washer. Rotary can washer.
Flotation washer.
Washing machine supporting carriage. A. R. Oberwegner. 2,559,028, July 3.
Watch band attachment. E. Wallin. 2,559,238, July 3.
Water heater. A. W. Lundstrum. 2,558,971, July 3.
Wax compositions and making same. R. G. Capell. 2,559,398, July 3.
Web-flexing apparatus. G. S. Siliars. 2,558,788, July 3.
Weighing device, Compensating. E. O. Martinson. 2,559,308, July 3.
Welding together metallic members. R. Walsh. 2,559,483, July 3.
Wells, Lining. J. D. Haynes and O. W. Lyons. 2,559,536, July 3.
Welting of styrene-butadiene copolymer. A. R. Olson and E. B. McMillan. 2,558,776, July 3.
Wet strength paper, Manufacture of. C. S. Maxwell and C. G. Landes. 2,559,221, July 3.

Wheel: *See*—
Rotary hoe wheel.
Wheel for garden tractors, Traction. H. C. Esch. 2,558,833, July 3.
Wheeled disk harrow. W. W. White. 2,558,890, July 3.
Window. R. J. Dilg. 2,559,212, July 3.
Window. J. E. Hines. 2,559,300, July 3.
Window device for garment bags and like containers. W. R. Kohl. 2,558,904, July 3.
Window, Louvered. J. R. Klein. 2,559,442, July 3.
Window shade assembly. G. M. Marsh. 2,559,306, July 3.
Window shield. O. H. Combe. 2,559,008, July 3.
Window with removable pane. I. D. Stillman. 2,558,789, July 3.
Windshield wiper mechanism. L. Zaiger. 2,559,208, July 3.
Wire clothespin. W. Wheeler. 2,559,139, July 3.
Work locating device. M. A. Hollengreen and D. F. Price. 2,559,431, July 3.
Wrapper, Cigar. J. B. Back. 2,559,000, July 3.
Wrench: *See*—
Booster socket wrench.
Yarn advancing reel. W. G. Esmond. 2,558,836, July 3.

CLASSIFICATION OF PATENTS

ISSUED JULY 3, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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Condition of Applications Under Examination at Close of Business June 15, 1951

Total number of patent applications awaiting action, 110,611. Date of oldest new application, July 13, 1950; date of oldest amended application, July 15, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Power Plants (Internal generation, Special motive and mixed fluids)			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	7-21-50	7-21-50	2499
2. HERMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	9-22-50	8-4-50	1459
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Fluid Treatment of Textiles (Apparatus).	10-10-50	10-4-50	1587
4. BISHOP, W. C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	7-26-50	7-20-50	1988
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	10-12-50	10-3-50	961
6. SURLE, H., Carbon Chemistry (part)	9-27-50	9-14-50	1701
7. GONSALVES, J. E., Optics; Photography (part)	11-20-50	11-18-50	1131
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	8-14-50	8-11-50	1989
9. BRANSON, J. H., (Acting), Pumps and Fans; Fluid Motors	8-14-50	8-14-50	1621
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	8-7-50	8-16-50	1204
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	8-14-50	8-17-50	1042
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	9-13-50	8-15-50	1280
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	7-19-50	7-15-50	1381
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	7-28-50	7-21-50	1555
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	12-5-50	11-24-50	1139
16. LOVEWELL, N. N., Television; Telephony	8-14-50	8-24-50	1340
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	7-17-50	7-17-50	2039
18. KURZ, J. A., Power Plants; Speed Responsive Devices	10-26-50	10-9-50	1201
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	8-4-50	7-31-50	1247
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	7-29-50	7-26-50	1595
21. MADER, R. C., Textiles; Package and Article Carriers	7-19-50	7-19-50	1781
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	8-2-50	8-3-50	1288
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	7-17-50	7-19-50	946
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	10-26-50	10-21-50	1656
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	9-18-50	9-15-50	1459
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	8-2-50	8-1-50	1148
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-18-50	8-16-50	2125
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Springs, Weights, and Horsepower Motors; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	8-21-50	8-8-50	1433
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	8-1-50	7-18-50	1925
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	10-16-50	10-16-50	1696
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	9-22-50	9-25-50	1958
32. NEFF, P. R., (Acting), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	9-13-50	8-4-50	1394
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	7-13-50	8-11-50	2132
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	8-3-50	7-29-50	1381
35. BROMELY, E. D., Dispensing; Filing and Closing Receptacles	8-3-50	8-9-50	1682
36. McFADYEN, A. D., Measuring and Testing	8-1-50	8-8-50	1376
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	9-11-50	9-12-50	1403
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Composition (part); Rubber, Preserving Apparatus (part).	10-4-50	10-16-50	1182
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	8-1-50	7-31-50	2765
40. DRUMMOND, E. J., Receptacles (part); Packages	8-18-50	8-17-50	2689
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	8-3-50	8-2-50	1473

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 110,611. Date of oldest new application, July 13, 1950; date of oldest amended application, July 15, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	8-24-50	8-14-50	2028
43. ASP, N. A., (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	11-30-50	10-13-50	1032
44. HARVEY, L. P., Beds; Chairs, Seats	7-19-50	7-21-50	1565
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	7-28-50	7-31-50	1676
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structure (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	8-11-50	8-12-50	1160
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	9-1-50	9-1-50	1425
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	10-10-50	10-3-50	969
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	9-2-50	9-7-50	1319
50. LEVIN, S., Synthetic Resins	12-8-50	11 6-50	1331
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	8-11-50	8-3-50	1307
52. FELTON, B. H., (Acting), Supports; Joint Packing; Pipe and Rod Joints or Coupling; Tool Handle Fastenings; Pipes and Tubular Conduits.	8-11-50	8-10-50	3275
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	9-22-50	9-18-50	950
54. DOUGLAS, G. R., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-4-50	7-29-50	1693
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	10-5-50	10-4-50	1135
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	9-27-50	10-3-50	1661
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	11-17-50	11-9-50	1020
58. DQWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	8-1-50	8-23-50	1256
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	9-12-50	9-15-50	1253
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	8-24-50	8-18-50	1387
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	8-3-50	7-29-50	1723
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	8-1-50	8-2-50	1999
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	10-26-50	11-2-50	1381
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	11-13-50	11-14-50	1758
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	9-25-50	9-18-50	1616
66. LISANN, L., Geometrical Instruments; Automatic Weighers; Weighing Scales	7-17-50	7-17-50	1307
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	10-4-50	9-25-50	1451
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	9-12-50	9-11-50	1726
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	8-9-50	8-8-50	1447
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	7-31-50	7-28-50	1770
DESIGNS: A. BREHM, G. L., Industrial Arts	3-9-51	2-15-51	788
DESIGNS: B. ANDREWS, D. D., Household, Personal and Fine Arts	1-12-51	3-16-51	1352

Total number of trade-mark applications awaiting action (including renewals and republications), 19,438. Date of oldest new application, Oct. 16, 1950; date of oldest amended application, Oct. 9, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 18, 27, 28, 29, 30, 31, 33, 35, 44, 50, 51, 52	10-20-50	10-20-50	5903
II. SUMMERS, G. S., Classes 19, 21, 22, 23, 24, 25, 26, 34	12-2-50	10-18-50	3142
Renewals (All Classes)	4-13-51	5-16-51	596
Republications (All Classes)	4-24-51	5-16-51	265
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	10-24-50	10-18-50	4864
IV. KEYS, O. M., Classes 2, 16, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	10-16-50	10-9-50	4668

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE STRAIN

No. 5737. Decided March 6, 1951

[187 F.2d 737; 89 USPQ 156]

1. RULES OF PRACTICE IN U. S. PATENT OFFICE—RULES NOT SET ASIDE UNLESS UNREASONABLE.

The Patent Office Rules may not be lightly disregarded, nor is any one of them to be set aside unless found unreasonable and prejudicial to an inventor's rights under the statutes enacted for the administration of the constitutional provision for the encouragement of invention.

2. PATENTABILITY—ANTICIPATION—FACTS TO OVERCOME PRIOR JOINT APPLICATION MUST BE SHOWN.

In order that an applicant be entitled to the filing date of an earlier filed application in which he is a joint inventor, where the joint application disclosed but did not claim the subject matter of the sole application, he must present facts to show that the assertion of joint invention implicit in the joint application was due to inadvertence or mistake, and he must offer explanation of any delay in filing the sole application to establish diligence.

3. SAME—SAME—USE OF OLD RULE 75 TO OVERCOME PRIOR JOINT APPLICATION.

The burden of establishing the essential facts which will entitle a sole applicant to the filing date of an earlier joint application rests upon the sole applicant, or upon the assignee, and Patent Office old rule 75 offers a simple and convenient method for doing so.

APPEAL from Patent Office. Serial No. 508,259.

AFFIRMED.

Edmund H. Parry, Jr. (*Olen E. Bee* and *Raymond S. Chisholm* of counsel) for appellant.

E. L. Reynolds (*J. Schimmel* of counsel) for the Commissioner of Patents.

GARRETT, *Chief Judge*:

This appeal brings before us for review the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner, hereinafter referred to as the Examiner, denying all the claims numbered 15 to 19, inclusive, of appellant's application for patent relating, according to the specification, "to a new group of unsaturated esters capable of polymerization to form valuable resinous products." The application, Serial No. 508,259, was filed October 29, 1943.

The issue presented by this appeal involves only a question of law relating to Patent Office practice, and it is, therefore, unnecessary to quote or analyze the claims or to describe the alleged invention in detail.

All the claims are product claims, and, apparently, it is agreed now (although counsel for appellant appear to have argued otherwise before the Board of Appeals at one time) that their subject matter is sufficiently disclosed but not claimed in a patent, No. 2,379,251, issued June 26, 1945, to Irving E. Muskat and appellant as joint inventors upon an application, Serial No. 403,703, filed July 23, 1941.

To state the situation somewhat differently, appellant, alleging that he is the sole inventor of certain subject matter disclosed but not claimed in a patent issued to himself and Muskat jointly, is seeking to obtain patent for such subject matter as a sole inventor.

Both the patent and the application stand assigned to a common assignee, which is the actual party in interest here.

We note that the application for the patent and the application here involved were copending in the Patent Office for more than a year and a half.

Nevertheless, the patent was cited as a reference and claims 10–15, inclusive, were rejected by the Examiner as being fully met by it. Claims 16–19, inclusive, were rejected "as not reading on the elected species." The Board made no specific reference to that ground of rejection of the latter group, but its affirmation of the decision of the Examiner was expressed in general terms and appellant's reasons of appeal do not embrace any allegation of error as to that ground. Hence, those claims are not before us. See *In re Boyce*, 32 CCPA (Patents) 718, 144 F.2d 896, 63 USPQ 80, 1944 C. D. 609, 568 O. G. 568.

It is noted also that Strain's application as sole inventor of the subject matter not claimed in the joint application was not filed until more than two years after the filing of the joint application of himself and Muskat, which matured into the patent.

It is said in the brief for appellant:

> • • • The issue presented here involves the propriety of the rejection of claims 10 to 19, inclusive, upon the unclaimed disclosure of the copending patent in which appellant and Muskat are joint patentees.

The brief of the Solicitor for the Patent Office states:

> • • • the sole issue before the court is whether the rejection on the unclaimed disclosure of the prior copending patent in which appellant and one Muskat are joint patentees was proper.

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For reasons hereinafter appearing, old Patent Office Rule 75 (the substance of which is embodied in new rule 131) is here quoted:

> 75. When an original or reissue application is rejected on reference to an expired or unexpired domestic patent which substantially shows or describes but does not claim the rejected invention, or on reference to a foreign patent or to a printed publication, and the applicant shall make oath to facts showing a completion of the invention in this country before the filing of the application on which the domestic patent issued, or before the date of the foreign patent, or before the date of the printed publication, and shall also make oath that he does not know and does not believe that the invention has been in public use or on sale in this country, or patented or described in a printed publication in this or any foreign country for more than one year[1] prior to his application, and that he has never abandoned the invention, then the patent or publication cited shall not bar the grant of a patent to the applicant, unless the date of such patent or printed publication be more than one year[1] prior to the date on which application was filed in this country.

The following is taken from the statement of the Examiner made in the instant case after the appeal to the Board:

> It is the position of the Examiner that in order to overcome the Muskat et al. patent applicant must do two things
> 1. File an appropriate affidavit under rule 75 overcoming the filing date of Muskat et al.
> 2. Obtain a disclaimer by Muskat as to the common subject [matter] between the claims of the present application and the disclosure of the Muskat et al. patent.
> Applicant has done neither of these things but instead argues that he is entitled to the filing date of the Muskat et al. [application].

Counsel for appellant seem to have interpreted the position of the Examiner to be that appellant was required either (*a*) to file affidavits, or, in the alternative, (*b*) to secure the disclaimer of Muskat. We do not so understand the Examiner's statement. As we understand it, the Examiner was of opinion that it was incumbent upon appellant to do both. In support of his view, he cited the decision of the Board of Appeals in *Ex parte Harris*, reported in 70 USPQ 552, and the Manual of Office Procedure, 9th Edition by C. L. Wolcott, quoting from both the decision and the manual.

The brief for appellant states, in substance, that no affidavit was filed under old rule 75 because it was desired to test the soundness of the rejection based upon disclosure of the patent.

Certain of the facts in the Harris case, supra, the decision in which does not appear to have been appealed, are analogous to those in the case at bar, but one distinction seems to be that certain of the matter claimed by Harris as sole inventor had been claimed previously as well as disclosed in a patent issued to Harris and a party named Epstein as joint inventors, while here the subject matter now claimed by Strain was not claimed in the patent although disclosed.

Neither the Harris case, supra, nor the Wolcott manual was discussed in either the decision of the Board or in the brief of the Solicitor for the Patent Office before us, but there are other citations to which we refer hereinafter.

It may be said that in the Harris case, supra, the Board held that neither the affidavit of Harris filed under old rule 75 of the Patent Office nor the affidavit of Epstein in the nature of a disclaimer were found sufficient to support the claim of Harris to be the sole inventor. Hence, the joint patent was sustained as a valid reference. With respect to the disclaimer the Board said:

> • • • The disclaimer by Epstein • • • is regarded as of no weight in the situation. The controversy is not between applicant and Epstein but one in which rights of the public are involved.

In the instant case, where the subject matter concededly was not claimed in the patent, the Board, while sustaining the Examiner's holding that an affidavit under old rule 75 was necessary, in effect, overruled the latter's holding with respect to the necessity for a disclaimer on the part of Muskat, saying that consideration of various pertinent decisions indicate that:

> Where the invention of the sole applicant was *not* claimed in the joint application, no disclaimer by the other joint applicant is necessary since he should not be required to disclaim an invention which he never claimed as his own to begin with. • • • [Italics quoted.]

In appellant's reasons of appeal to us it is stated:

> 8. The Board of Appeals erred in failing to hold that a copending sole application is a continuation of, and entitled to the effective date of, an earlier filed joint application for an invention disclosed in the joint application under the circumstances that the invention was a divisible invention and had never been claimed in the joint application.

In respect of this contention, the brief of the Solicitor for the Patent Office states:

> At this point it is necessary to point out that though appellant earnestly urges that the presently involved application is a continuation-in-part of the reference patent, and thereby entitled to the benefit of the filing date of the reference • • •, the application itself does not indicate by any language therein and the record does not show, except for assignment of error No. 8, that applicant stated that the presently involved application is a continuation-in-part of the reference patent.

The statement of the Solicitor is correct and, since appellant did not see fit to state in his application, as customarily is done, that his application was either a continuation-in-part, or a division, of the joint application, it is difficult to discern any justification for the allegation of error on the part of the Board. The Examiner made no reference to that subject matter and it was not referred to in the reasons of appeal accompanying the appeal from the Examiner to the Board.

Appellant places reliance upon the decision of the Court of Appeals of the District of Columbia (now the United States Court of Appeals for the District of Columbia Circuit) in the case of *In re Roberts*, 49 App. D. C. 250, 263 Fed. 646, 1920 C. D. 158, 273 O. G. 410.

We had occasion to study and apply that decision in the case of *Manny* v. *Garlick et al.*, 30 CCPA (Patents) 1008, 135 F.2d 757, 57 USPQ 377, 553 O. G. 370, where (pp. 1021–1022) we said:

> • • • In that [the Roberts] case it appears that a joint application made by Roberts and his son was involved in an interference with one Bruckman. Priority was awarded to Bruckman, upon the ground that the testimony showed that Roberts and his son were not joint inventors. After such award of priority a patent was issued to Bruckman. It appears that more than two years after the issue of said patent Roberts filed a sole application for the invention as a continuation of the former joint application which was presumably still pending in the Patent Office. His claims were rejected upon the ground that the patent to Bruckman was a statutory bar to their allowance, the Patent Office tribunals declining to consider said sole application as a continuation of said joint application. This the court found to be error and held that Roberts was entitled to the filing date of the joint application for conception and reduction to practice of the invention; that the joint application was filed through mistake or inadvertence and without fraudulent intent. Therefore, the decision appealed from was reversed. However, in concluding its opinion the court stated:
>
> It perhaps is unnecessary to add that a party who seeks to correct his own mistake must act with reasonable diligence, and also assume the burden of establishing his good faith.

Other cases to which we therein referred in connection with the question of diligence were *Briggs et al.* v. *Kaisling*, 53 App. D. C. 49, 288 Fed. 254, 311 O. G. 3; and *Crane* v. *Grier and Warren*, 21 CCPA (Patents) 1163, 71 F.2d 180, 22 USPQ 31, 448 O. G. 268.

In the case of *In re Perrin*, 31 CCPA (Patents) 1041, 142 F.2d 277, 61 USPQ 418, 565 O. G. 151, we again emphasized the necessity for a sole applicant, in order to obtain the benefit of the filing date of an application in which he was joint claimant, showing that the joint application was made through inadvertence or mistake, and that he acted with reasonable diligence to correct it. We indicated also, as stated in the third headnote of the decision, that the sole applicant should present the exact line of division between matters of joint invention and matters claimed in the sole application.

It may be said that in the Roberts case, supra, the subject matter seems to have been both disclosed and claimed in the joint application, and the court indicated the necessity of an admission by one joint applicant that the subject matter was the sole invention of the other applicant. This would be a disclaimer in fact whether or not formally so designated.

In the instant case the Board of Appeals held, in effect, that that rule is applicable in the cases where the subject matter is claimed in a joint application, but not applicable in cases where it is not claimed. Hence, it did not regard it applicable in the instant case.

The Board also held that no affidavit by a sole applicant under old rule 75 is necessary where the matter has been claimed in a joint application, but that it is necessary where, as here, the matter has not been claimed in the joint application.

In a supplemental brief, filed with the consent of the court, it is argued on behalf of appellant that he is entitled to the benefit of the joint patent under rulings made by this court in the cases of *Teter* v. *Kearby*, 36 CCPA (Patents) 706, 169 F.2d 808, 79 USPQ 65, 617 O. G. 903; and *Ware* v. *Carlton et al.*, 36 CCPA (Patents) 957, 173 F.2d 366, 81 USPQ 196, 622 O. G. 956, but, as is pointed out in the brief of the Solicitor for the Patent Office, we did not deviate in either of those cases from our holdings in the Perrin case, supra, where we followed the Manny case, supra, which accorded, insofar as here pertinent, with the Roberts case, supra.

Several cases other than those which have been discussed herein are cited in the respective briefs filed before us, but they relate principally to questions which are only collateral to the ultimate issue and it is unnecessary to review them.

[1] What is really involved here is a practice of the Patent Office under a rule, or rules, of long standing evolved out of years of experience by highly trained specialists and experts. The Patent Office Rules may not be lightly disregarded, nor is any one of them to be set aside unless found unreasonable and prejudicial to an inventor's rights under the statutes enacted for the administration of the constitutional provision for the encouragement of invention.

[2] We are of opinion that appellant here failed to make the showing necessary to establish that his application is a continuation-in-part or a division of the joint application which matured into patent so that he is entitled to the benefit of the filing date of the joint application.

He failed to present facts which, under all the pertinent decided cases, should have been presented. His oath to the application is strictly conventional. There is no statement that the assertion of joint invention implicit in the joint application was due to inadvertence or mistake; no statement as to when it was discovered that he was the sole inventor; nor any explanation of why some twenty-seven months elapsed between the filing of the joint application and the filing of the sole application. The tribunals of the Patent Office and the court are asked to presume those things from a conventional oath and thus disregard the oath, also conventional, attached to the joint application. Why should the tribunals of the Patent Office and the courts be asked to assume essential but unproven facts which lie peculiarly within the knowledge of a claimant and which he does not divulge? We think the answer is that they are not required to assume them.

[3] The burden rests upon the sole applicant, or in this particular case, probably upon the assignee, to establish the essential circumstances in some manner and Patent Office old rule 75 seems to have furnished a simple and convenient method for doing so.

The brief for appellant states:

> Not infrequently, obtaining affidavits of this [old rule 75] character is a burdensome and expensive problem. In assigned applications, the burden frequently rests entirely upon the assignee to obtain such affidavit from an inventor having no remaining interest in the invention who may in the course of subsequent employment by others even have acquired adverse interests in a perfectly honest and ethical manner.

It is recognized that under some circumstances difficulties may arise, but rules of procedure may not be predicated upon mere expediency to exclusion of a requisite principle of procedure. So far as the instant case is concerned, there is no claim that the assignee would have had any difficulty in securing the testimony of either the applicant, Strain, or his co-patentee, Muskat, had the testimony of the latter been essential.

We are of opinion that there was no error in the holding of the Board of Appeals to the effect that an affidavit under Patent Office old rule 75, in force at the time the involved application was under prosecution in the Patent Office, was necessary and that without one sufficient in character and content to establish the essential facts hereinbefore outlined, the joint patent is a valid reference against the sole application.

[1] In the case of applications for patent filed prior to August 5, 1940, this period is two years instead of one year.

There was, of course, no assignment of error relative to the Board's holding that no disclaimer was required under the facts here appearing and no issue respecting that is before us. We deem it not inappropriate, however, to say that while we agree that in the instant case no disclaimer was required, we can conceive of situations arising (even in cases where subject matter is disclosed in a joint application but not claimed) which might require a statement, not necessarily in the form of a technical disclaimer, of a co-patentee showing that he had no interest in it. That is not the situation here however, and we refrain from further comment concerning it.

An incident of the case requiring notice is that in the brief of the Solicitor for the Patent Office there was suggested a certain "reason for denying appellant the benefit of the filing date of the reference," which appellant moved to strike, alleging, in substance, that it raised an issue not considered by the Board of Appeals, nor by the Primary Examiner, and that this issue was based upon reasons not in the record before us and ignored by the Board. In the motion it was requested that "if the matter were not stricken" appellant be permitted to file a supplemental brief.

The Solicitor for the Patent Office filed opposition to the motion to strike and in connection therewith moved correction of alleged diminution of the record by having certified to the court certain pages of appellant's brief before the Board.

Acting at chambers, we granted the motion for diminution of the record, costs to be taxed at the final disposition of the case; declined to grant the motion of appellant to strike; and granted appellant's request to file supplemental brief.

We find that in the course of its decision the Board of Appeals did refer to the arguments made in the brief for appellant before it and alluded to in the brief of the Solicitor before us, and that instead of ignoring the reasons advanced for appellant, which were to the effect that the products claimed in the sole application were not disclosed in the patent, expressly held that they were disclosed, and said:

> • • • This being the case, it must be held that the patent does disclose the compounds of the invention being claimed in this case and therefore constitutes a proper reference. *In re Stoll et al.*, 161 F.2d 241; 73 USPQ 440.

We have not found it necessary to consider the reason so advanced in the brief of the Solicitor for the Patent Office and purposely have avoided discussing the matter of disclosure of the compounds because appellant now concedes it, but we do not think the motion to strike was justified, and, under the state of facts shown, we think it was proper to have the matter appearing in the brief for appellant before the Board made a part of the record before us, although it is not customary so to treat briefs.

Such costs as may have accrued incident to the correction of the record, therefore, will be taxed to appellant.

The decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE ASHMAN

No. 5770. Decided April 3, 1951

[188 F.2d 398; 89 USPQ 317]

PATENTABILITY — PARTICULAR SUBJECT MATTER — EAR WAX REMOVER.

Certain claims to an ear wax remover *Held* properly rejected as unpatentable over the cited prior art.

APPEAL from Patent Office. Serial No. 656,693

AFFIRMED.

J. Calvin Brown and *Lee L. Townshend* for appellant.

E. L. Reynolds (*S. Wm. Cochran* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

Appellant filed in the Patent Office under date of March 23, 1946, an application for a patent, Serial No. 656,693, alleging new and useful improvements in an article of manufacture called an "Ear Wax Remover."

The Primary Examiner finally rejected all of the claims, 6 and 7, as unpatentable over a patent to Metzger entitled "Ear and Finger-Nail Cleaner," No. 1,138,967, dated May 11, 1915, upon an application, Serial No. 830,736, filed April 9, 1914.

The Board of Appeals affirmed the decision of the Examiner and from the decision of the Board this appeal was taken.

The appealed claims read as follows:

> 6. An ear wax remover, including a stem provided at one end with a part for removing ear wax, a handle secured to said stem, and a disc fixedly carried by the stem and of a diameter sufficient to fit within the concha without permitting entrance thereof within the external acoustic meatus, to space the ear wax removing part from the tympanic membrane, the said stem being fully inserted within the external acoustic meatus.
>
> 7. An ear wax remover including a stem, a small disc for removing the wax carried at one end of the stem, a handle secured to the stem, and a large disc fixedly positioned between said handle and the stem, said large disc being spaced less than 2.5 centimeters from the small disc and said large disc adapted to engage the concha for spacing the small disc from the tympanic membrane when the stem is fully inserted within the external acoustic meatus.

As may be observed from the claims, the alleged invention has reference to an instrument for removing wax from the ear. On one end of a stem there is a handle. On the opposite end there is an ear wax scraper and between the two there is a disc placed at a predetermined distance from the scraper. The distance between the disc and the scraper is calculated so that when in use the scraper will not touch the tympanic membrane. The disc is of such a size as to fit within the concha or shell of the outer ear but large enough so that it will not enter into the external acoustic meatus or canal extending from the tympanum or ear drum to the orifice of the concha.

The Metzger patent discloses an instrument which comprises a stem, at one tapered extremity of which there is a circular ear wax scraper and at the opposite tapered end a curved, seemingly sharp nail cleaner. Between the two tapered parts the stem is screw-threaded to permit engagenient with a cylindrical head or stop. Thus, the distance between the ear scraping disc and the stop may be varied so that the depth of the insertion of the instrument into the ear may be limited.

The Primary Examiner, in his decision, held that the difference between the structure defined by the involved claims and the Metzger device is merely in that in the device of appellant the spacing disc is fixed to the stem, whereas, in that of the Metzger patent, it is adjustably mounted thereon. The Examiner was of opinion that the change from the adjustable spacing disc of the reference to the fixed disc of appellant would require mechanical skill only and therefore did not involve invention.

The Board of Appeals agreed with the reasoning of the Examiner. It was argued below and is argued here by counsel for appellant that the patentee seemingly realized the danger of using an ear wax instrument for the reason that he provided a means to prevent the scraping disc from contacting the ear drum. It also has been argued that even though the patentee understood that his ear wax instrument is normally dangerous, he did not realize that an adjustable nut or stop would necessarily be adjusted to such position as to insure the ear drum against injury.

The patentee points out in his specification that by reason of his structure the depth of the insertion of the device into the ear may be limited so as to prevent injury and that is precisely the function of the middle disc of the apparatus of appellant.

It is argued that because the middle disc or guard in appellant's device is placed at a predetermined point that such placing involved invention for the reason that it is a safety feature not found in the reference.

It is stated in appellant's specification that the external acoustic meatus in the average adult extends approximately 2.50 centimeters in length and that in children the length is much less. It is clear to us that if the adjustable member in the reference is so set as to be left at a distance of less than 2.50 centimeters from the scraping member and kept in that position the patented device must operate in exactly the same way as that of appellant and perform the same function with safety.

It may be noted here that the only substantial difference between the rejected claims is that in claim 7 the space of less than 2.50 centimeters is expressed, whereas, such measurement does not appear in claim 6.

We find no novel or unexpected result from the mere fact that in appellant's instrument the outer disc is part of the stem structure, whereas, in the instrument of the patent, the stop is adjustable.

It may well be that the device defined by the claims can be considered as dangerous under certain circumstances. For instance, if used by a child or by an adult with a shorter ear canal than that which appellant states to be the distance in the average adult ear, it would not be safe.

We find nothing in the appealed claims which touches anything to the art and the decision of the Board of Appeals is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,881,328, R. D. Read, Decoy unit; 1,981,678, H. B. Staver, Dog racing apparatus, filed June 1, 1951, D. C., S. D. Fla. (Tampa), Doc. 2035, *G. C. Monckmeier et al.* v. *Associated Outdoor Clubs, Inc.*

1,912,410, W. Shotey, Device for dressing grinding wheels, filed May 28, 1951, D. C., E. D. Mich. (Detroit), Doc. 10601, *W. Shotey* v. *Dale Corp.*

1,973,421, M. Wallace, Garment, filed May 29, 1951, D. C. Minn. (Minneapolis), Doc. 3742, *Outdorables, Inc.* v. *Minnesota Sportswear Mfg.*

1,981,678. (See 1,881,328.)

2,000,014, A. B. Du Mont, Telautograph; 2,338,336, S. J. Koch, Cathode-ray tubes and processes; 2,398,535, same, Contact terminals for electron tubes; 2,451,590, Tidik & Steadman, Process of forming a luminescent screen, filed May 31, 1951, D. C. N. J. (Newark), Doc. 508/51, *Allen B. Du Mont Laboratories, Inc.* v. *Tel-O-Tube Corp.*

2,167,268, G. J. Sanger, Rotary sewer cleaning machine, filed June 5, 1951, D. C., N. D. Tex. (Fort Worth), Doc. 2161, *Sanger Steel Products et al.* v. *Acme Electric Sewer & Plumbing Service.*

2,219,865, C. E. Fitch, Impact wrench; 2,219,883, L. A. Amtsberg, same, D. C., N. D. Ill. (Chicago), Doc. 47c855, *Independent Pneumatic Tool Co.* v. *Chicago Pneumatic Tool Co.* Judgment enjoining defendant from further contending that patents have been infringed; counterclaim dismissed Mar. 5, 1951.

2,219,883. (See 2,219,865.)

2,284,664, K. Kissling, Shears, C. C. A., 2d Cir., Doc. 21934, *Philbeck Corp.* v. *The Acme Shear Mfg. Co.* Decree affirmed May 9, 1951.

2,338,336. (See 2,000,014.)

2,352,210, N. Kraft, Cheese forming method and apparatus; 2,361,775, same, Cheese production, filed June 1, 1951, D. C., E. D. Wis. (Milwaukee), Doc. 5310, *Kraft Foods Co.* v. *The Borden Co.*

2,361,775. (See 2,352,210.)

2,371,756, J. Gomberg, Yarn bobbin, D. C., N. D. Ill. (Chicago), Doc. 47c1453, *Merit Mfg. Co.* v. *Marshall Field & Co. et al.* Cause dismissed with prejudice Dec. 21, 1950.

2,398,535. (See 2,000,014.)

2,402,723, R. N. Bean, Means and method of sealing and testing well head connections; 2,443,944, same, Means for sealing and testing well head connections, filed May 29, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13147–HW, *Cameron Iron Works, Inc.* v. *Baash-Ross Tool Co.*

2,422,834, J. L. Kleinman, Shoulder pad, C. C. A., 2d Cir., Doc. 21965, *J. L. Kleinman* v. *Betty Dain Creations, Inc.* Affirmed (notice May 17, 1951).

2,443,944. (See 2,402,723.) 2,451,590. (See 2,000,014.)

2,500,280, Des. 153,778, S. Feldman, Combination cap and sunshade, D. C., S. D. N. Y., Doc. 60/364, *Clearasite Corp. of America, Inc.* v. *Adam Hat Stores, Inc.* Stipulation and judgment terminating action without prejudice (notice May 31, 1951).

2,512,480, R. Calmy, Fire screen, filed May 31, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13156–HW, *R. Calmy* v. *R. C. Bott et al.*

2,538,167, T. G. Schmeiser, Earth working roller unit; Des. 137,446, same, Cultivator ring, filed May 28, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 1082, *E. R. Schmeiser et al.* v. *Thomas Welding & Mfg. Co.*

2,541,637, Christopher & Spear, Method of vaporising lindane in ventilated rooms, filed May 31, 1951, D. C., W. D. Mich. (Grand Rapids), Doc. 1777, *American Aerovap, Inc.* v. *De-Bug-Er, Inc.*

Des. 107,538. (See Des. 162,857.)

Des. 137,446. (See 2,538,167.)

Des. 151,732, W. G. Bley, Lady's stocking, C. C. A., 4th Cir., Doc. 6218, *Glen Raven Knitting Mills, Inc.*, v. *Sanson Hosiery Mills, Inc., et al.* Judgment of district court affirmed May 11, 1951.

Des. 153,778. (See 2,500,280.)

Des. 162,857, T. J. McCann, Selective ringing telephone unit; Des. 107,538, same, Telephone casing, filed May 31, 1951, D. C., S. D. N. Y., Doc. 67/74, *Hose-McCann Telephone Co., Inc.* v. *Henschel Corp. et al.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T M. 330,059. (See T. M. 442,600.)

T. M. 442,600, Hussco Shoe Co., Footwear; T. M. 330,059, Honesdale Union Stamp Shoe Co., Men's leather shoes, D. C., S. D. N. Y., Doc. 64/224, *Hussco Shoe Co.* v. *Chester H. Roth Co., Inc.* Consent judgment that defendant has infringed; injunction (notice June 2, 1951).

NOTICES

Application for Extension of Patent

VETERANS

PUBLIC LAW 598—*81st Congress*

An application for extension of the following patent has been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066).

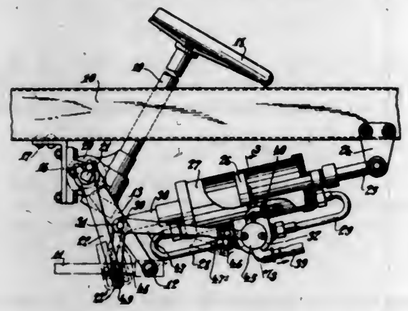
Any person who believes that he would be injured by the extension of the patent cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentee.

Walter S. Davidson 1,991,597 February 19, 1935

JOHN A. MARZALL,
Commissioner.

1,991,597
POWER STEERING GEAR
Walter S. Davidson, Newport, R. I. Granted Feb. 19, 1935
1 Claim. (Cl. 121—41)



A servomotor mechanism comprising a rotatable shaft, a lever journaled at one end on the shaft and connected at the other end to the motor mechanism, a piston and cylinder pivotally connected between the lever intermediate the ends thereof and a relatively stationary element, a source of fluid pressure, a valve to introduce the fluid pressure into the cylinder, a control lever secured at one end to the shaft, an arm on the valve, a rocking member journaled for rocking movement on the first lever intermediate the ends thereof and having a portion lying adjacent the arm on the valve, means connecting the adjacent portion of the rocking member and the arm on the valve, the rocking member also having a portion adjacent a portion of the control lever, a pin and slot connection between the control lever and the adjacent portion of the rocking member, the journal connection of the rocking member on the first lever lying at a different distance from the axis of the rotatable shaft than the distance of the axis of the pin and slot connection therefrom, the axis of the slot of the last named connection forming an angle with a line perpendicular to a line passing between the axis of the journal connection of the rocking member on the first lever and the axis of the pin of the pin and slot connection, and the lines between the axis of the journal connection of the rocking member on the first lever and the respective pin and slot connections to said rocking member lying at angles to one another.

Adjudicated Patents

(C. A. Md.) Wilson Patent No. 2,294,434, for a method and apparatus for forming Venetian blind slats and strip material therefor, *Held* valid and infringed. *Eastern Venetian Blind Co.* v. *Acme Steel Co.*, 188 F.2d 247; 89 USPQ 93.

(C. A. Md.) Morse et al. Patent No. 2,315,640, for a Venetian blind slat, *Held* invalid. *Id.*

(C. A. Md.) Hunter Patent No. 2,337,047, for a method and apparatus for stretching metal strips, *Held* valid and infringed. *Id.*

(C. A. Md.) Wilson Patent No. 2,338,678, for a method of and apparatus for forming Venetian blind slats, *Held* valid and infringed. *Id.*

(D. C. Md.) Fleischel Reissue Patent No. 23,326, for a device for control and operation by fluid servomotor, *Held* not infringed. *Specialty Equipment & Machinery Corp.* v. *Zell Motor Car Co.*, 96 F. Supp. 904.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

2,475,635, E. C. Parsons, Multiple conduit, decided May 2, 1951, claim 1.

2,483,195, H. Goldberg, Frequency and phase modulation detector, decided May 9, 1951, claims 1, 5, 6, 7, 8, 9, 10, and 11.

2,501,090, A. Politzer, Process for the treatment of viscose yarn, decided May 3, 1951, claims 1, 3, 4, and 6.

2,506,403, E. Witzel, Burner control system and control means therefor, decided Mar. 9, 1951, claims 9, 11, and 14.

Cancellation Notice

Dixon Flavor & Extract Co., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the petition of Nehi Corporation, 10th Street and 9th Avenue, Columbus, Georgia, to effect the cancellation of trade-mark registration of Dixon Flavor & Extract Co., No. 381,155, dated September 10, 1940. The assignment records of this Office show a transfer of title to this registration to House-Hold-Pac Corporation, San Francisco, California, who has been substituted for said Dixon Flavor & Extract Co. to defend the registration concerned. The notice of such proceeding sent by registered mail to said House-Hold-Pac Corporation, at its address of record, San Francisco, California, having been returned by the Post Office undeliverable, notice is hereby given that unless said Dixon Flavor & Extract Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

June 12, 1951. ERNEST F. KLINGE,
Assistant Commissioner of Patents.

Interference Notices

Kurt Schlesinger, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Patent No. 2,458,532, granted January 11, 1949, to Kurt Schlesinger, 328 West 88th Street, New York, N. Y., and the application for patent of Otto H. Schade, 32 Francisco Avenue, West Caldwell, New Jersey, and a notice of such declaration sent by registered mail to said Schlesinger at the said address having been returned by the Post Office as undeliverable, notice is hereby given that unless said Schlesinger, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

June 8, 1951. THOMAS F. MURPHY,
Assistant Commissioner.

Pallmall Knitting Mills, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of H. H. Brown Shoe Co., Inc., 45 Grand Street, Worcester, Massachusetts, No. 580,121, for registration of a trade-mark and Registration No. 334,410, issued May 5, 1936, to Pallmall Knitting Mills, 1217 Spring Garden Street, Philadelphia, Pennsylvania, and the notice of such declaration sent by registered mail to the said Pallmall Knitting Mills at the said address having been returned by the Post Office undeliverable, notice is hereby given that unless Pallmall Knitting Mills, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

June 12, 1951. ERNEST F. KLINGE,
Assistant Commissioner of Patents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Carboloy Company, Inc. will grant non-exclusive licenses under the following three patents on reasonable terms. Applications for license may be addressed to the President, Carboloy Company, Inc., Box 237, Roosevelt Park P. O., Detroit 32, Mich.

Pat. 2,474,643. Method of Brazing Cemented Carbides to Steel. Patented June 28, 1949. Method of brazing a cemented tungsten carbide cutting tip to a steel shank of a tool prevents overflowing of the brazing material onto shank. A shim, blanked out of a strip of copper coated on each side with a silver base solder, is placed between shank of tool and carbide tip, and the assembly heated to a temperature above the melting point of the silver, but below the melting point of copper, to firmly bond the assembly together. Group 35—41—43. Reg. No. 42,046.

Pat. 2,491,346. Fixture for Grinding Twist Drill Tips. Patented Dec. 13, 1949. Fixture for use with a conventional grinding machine facilitates rapid and accurate grinding of twist drill tips of various sizes from cemented tungsten carbide blanks. Half the grinding surface of a wheel to be used with fixture is radially curved to grind the helical faces. Fixture comprises a body portion having the cylindrical portion of a work holder slidably and rotatably journaled therein so that the forward flat end of holder on which a blank is held by a spring clamp will advance in a helical path when holder is rotated. The body portion has a series of circumferentially spaced tapped holes, and the cylindrical portion of holder has a series of helical cam grooves. Fixture may be adjustably set to grind tips of various sizes by inserting a key into a selected hole to slidably engage a selected cam groove. Group 35—41—43. Reg. No. 42,047.

Pat. 2,517,231. Spindle and Bearing Assembly. Patented Aug. 1, 1950. Shaft and bearing assembly, in which radial clearance and end play can be easily maintained, is particularly suitable for grinding wheels or the like. Substantially identical bearings comprising inner and outer bearing rings having cooperating tapered surfaces are mounted on opposite ends of the shaft. The outer rings are stationarily secured to the bearing housing, and the inner rings, each having an outwardly extending flange, are slidably and rotatably mounted on the shaft. Driving connections are provided to cause the inner rings to rotate with shaft. One of the driving connections includes a torque bushing slidably mounted on the shaft so that lateral keys of bushing engage keyway slots in one of the inner rings. A spring acting between an abutment on the shaft and the bushing controls contact between the surfaces of the bearings. Group 35—41—43. Reg. No. 42,048.

Pat. 2,293,549. Method and Apparatus for Heating Billets. Patented Aug. 18, 1942. A furnace for uniformly heating solid cylindrical metal billets preparatory to piercing to produce seamless tubes. A circular furnace has a continuous rotary hearth positioned between the inner and outer walls. Openings are provided in the outer wall with a charging machine opposite each opening to move the billets into and out of the furnace. The heated billets enter a conveyor and are transferred to a piercing mill adjacent the furnace. (Owner) Salem-Brosius, Inc. Correspondence to Salem Engineering Company, Salem, Ohio. Groups 33—12—99; 35—59. Reg. No. 42,049.

Pat. 2,296,791. Rotary Furnace. Patented Sept. 22, 1942. A metal-heating furnace of the rotary hearth type has concentric inner and outer side walls and an annular roof spanning the walls. An annular hearth is rotatably mounted intermediate the side walls. Spaced baffle walls span the side walls and extend downwardly from the roof a short distance from the upper surface of the hearth, dividing the furnace chamber into independently controllable heating zones. Sealing sand troughs secured to the inner and outer edges of the hearth are each made in sections, which may be independently removed and replaced from outside the furnace chamber. The refractory hearth portion is floatingly mounted on the base of the hearth, and the hearth is guided for rotation around its geometric center in substantially a fixed path by a series of circumferentially arranged adjustable guide rolls engaging a guide member of base of hearth. (Owner) Salem-Brosius, Inc. Correspondence to Salem Engineering Company, Salem, Ohio. Groups 33—12—99; 35—59. Reg. No. 42,050.

Pat. 2,512,135. Removable Level Unit With Clamping Means. Patented June 20, 1950. Degree level has cooperating parts held in position by spring retaining members and an adjustable weight for setting an indicator to zero. A stock has a level-receiving opening with inwardly extending slots. Spring members are anchored in the slots to removably secure the level dial in position. A locking spring engages wall of opening and forces level outwardly against locking detents and secures level in opening. Level may be easily released from the locking detents to disassemble. (Owner) Victor M. Bridy, 404 West Saylor St., Box 45, Atlas, Pa. Group 39—11. Reg. No. 42,051.

United States Government Owned Patents

The following U. S. Letters Patent owned by the United States Atomic Energy Commission have been made available for licensing by the Commission. Licenses will be granted to applicants on a non-exclusive, royalty-free basis. Applicants for licenses should apply to the Chief, Patent Branch, Office of the General Counsel, U. S. Atomic Energy Commission, Washington 25, D. C., identifying the subject matter by patent number and title.

Pat. 2,547,409. Guiding Means for Movement of Solid Materials. Patented Apr. 3, 1951. This patent describes a device useful in removing incrustations or sublimate from the interior of a vessel by an apparatus operable from the outside of the vessel through appropriate seals. Group 28—88—89. Reg. No. 42,052.

Pat. 2,547,874. Hydrogen Purification Method. Patented Apr. 3, 1951. This patent discloses a method for purifying hydrogen which comprises passing the hydrogen over a hydride of calcium or titanium at a temperature of at least 250° C. Group 28—86. Reg. No. 42,053.

Pat. 2,548,283. Ion Gauge. Patented Apr. 10, 1951. This patent covers an improved ion gauge of high sensitivity wherein the bombardment of the filament and the formation of a carbonaceous deposit thereon are minimized. Groups 36—61—62—92; 39—11. Reg. No. 42,054.

Pat. 2,548,449. Sensitivity Modulator. Patented Apr. 10, 1951. The invention disclosed in this patent is an improved feedback amplifier, the sensitivity of which is adapted to be modulated in response to an introduced signal. Group 36—61—62—92. Reg. No. 42,055.

Pat. 2,548,452. Corona Triode Voltage Regulator. Patented Apr. 10, 1951. An improved grid control for a corona discharge voltage regulator used to regulate the potential of the high voltage shell of a Van de Graaff electrostatic generator is described in this patent. Group 36—19—61—62—92. Reg. No. 42,056.

Pat. 2,549,565. Method of Fluorinating Organic Compounds With Molten Silver Fluorides. Patented Apr. 17, 1951. An organic compound is fluorinated, according to the method of this patent, by injecting the organic compound and elemental fluorine into a molten mass of silver monofluoride and silver difluoride maintained at a temperature of 200° C. to 500° C. Groups 28—86—88—89; 36—12. Reg. No. 42,057.

Pat. 2,549,596. Beryllium Target and Method of Manufacture. Patented Apr. 17, 1951. This patent describes a method of manufacturing a cyclotron target of beryllium bonded to copper which comprises bonding a beryllium plate or beryllium filings to a copper block by means of an intermediate layer of copper and beryllium, the bonding being accomplished by the use of pressure and heat. Group 36—61—62—92. Reg. No. 42,058.

Pat. 2,549,609. Separation of Fluorinated Hydrocarbons by Distillation With Hydrogen Fluoride. Patented Apr. 17, 1951. In accordance with the process described in this patent, fluorinated hydrocarbons having the same carbon skeleton but differing from one another in the number of hydrogen atoms replaced by fluorine atoms are separated by distillation in the presence of hydrogen fluoride to provide an overhead product containing two liquid phases. Group 28—86—88—89. Reg. No. 42,059.

Pat. 2,549,899. Process for the Preparation of Neptunium Tetrafluoride. Patented Apr. 24, 1951. In accordance with the teachings of this patent, neptunium tetrafluoride is prepared by contacting neptunium dioxide with hydrogen fluoride in the presence of an oxidizing agent at a temperature between 300° C. and 1000° C. Group 28—86—88—89. Reg. No. 42,060.

Pat. 2,549,988. Manufacture of Organic Fluorine Compounds. Patented Apr. 24, 1951. Perfluorinated alkanes are produced, according to this invention, by a process which comprises a progressive replacement of chlorine by fluorine in a halogenated aliphatic hydrocarbon by means of a pentafluoride of antimony or arsenic, with intermediate separation of more highly fluorinated fractions and inorganic salts, after which the highly fluorinated fractions are further treated with a higher fluoride of cobalt, silver, or manganese. Groups 28—86—88—89; 36—12. Reg. 42,061.

Pat. 2,550,445. Electrolytic Cell With Welded Anode Assembly. Patented Apr. 24, 1951. This patent covers an anode-supporting structure which will resist the corrosive action of fluorine and hydrogen fluoride in an electrolytic cell for manufacturing fluorine by fused salt electrolysis. Group 36—61—62—92. Reg. No. 42,062.

Pat. 2,550,460. Monitoring Circuit. Patented Apr. 24, 1951. This patent covers a monitoring circuit for parallel operated mercury-pool gas tubes which is designed to differentiate between arcback and misfire failures in the tubes and to register the number of each of such failures. Groups 36—13—62; 39—11. Reg. No. 42,063.

Pat. 2,550,488. Radiation Counter. Patented Apr. 24, 1951. The invention set forth in this patent is a pulse type survey instrument for detecting radiation which employs a proportional counter and permits the use of an amplifier of low gain for reducing microphonic effects. Groups 36—13—62; 39—11. Reg. No. 42,064.

Pat. 2,550,878. Pulsing Circuit. Patented May 1, 1951. This patent describes a simple pulsing system in which the amplitude of the output pulses may be made to vary cyclically in accordance with a predetermined pattern. Group 36—61—62—92. Reg. No. 42,065.

Pat. 2,551,529. Pulse Amplitude Discriminator. Patented May 1, 1951. The pulse amplitude discriminator described in this patent is responsive to pulses varying in amplitude and varying in rate, and is so designed that the amplitude response characteristics may be adjusted without altering or impairing the rate of respondability. Group 36—61—62—92. Reg. No. 42,066.

Pat. 2,551,531. Radiation Counters. Patented May 1, 1951. This patent relates to a gas-filled radiation counter so designed that a radioactive sample may be introduced without introducing any air or other foreign gases. Groups 36—13—62; 39—11. Reg. No. 42,067.

Pat. 2,551,541. Vacuum Pumping Method With Mechanical Oil Sealed Pumps. Patented May 1, 1951. This patent describes a method in high vacuum pumping systems using rotary mechanical pumps wherein dry air or gas is introduced into the outlet of the pump to prevent condensation of otherwise condensable vapors therein to thereby avoid the mixing of such condensate with the pump oil being returned to the pump. Group 35—61. Reg. No. 42,068.

Pat. 2,551,542. Fluorophotometer. Patented May 1, 1951. A fluorophotometer for measuring intensity of fluorescence is described in this patent; reflectors are used to restrict the travel of the light waves and to direct them along predetermined paths, thus reducing loss of light to a minimum while increasing sensitivity. Groups 36—13—61—62—92; 39—11. Reg. No. 42,069.

Pat. 2,551,543. Production of Uranium Peroxide. Patented May 1, 1951. Uranium peroxide is precipitated, according to the method of this patent, by the simultaneous addition of hydrogen peroxide and a water soluble base such as ammonium hydroxide to a solution containing a uranyl salt in such a manner as to maintain a pH of 2.5 to 4.0. Group 28—88—89. Reg. No. 42,070.

Pat. 2,551,544. Mass Spectrometer. Patented May 1, 1951. The mass spectrometer which is described in this patent is of simple and relatively inexpensive construction and is capable of analyzing light gases or isotopes thereof with a comparatively high degree of resolution. Groups 36—13—61—62—92; 39—11. Reg. No. 42,071.

Pat. 2,553,217. Cyclic Organic Fluorine Compounds and Methods of Making. Patented May 15, 1951. In the process described in this patent, organic compounds containing one or more chlorinated aromatic nuclei are acted upon by a fluorinating agent such as antimony pentafluoride or arsenic pentafluoride to effect a simultaneous replacement of chlorine by fluorine and saturation of double bonds to produce progressively more saturated compounds. Groups 28—86—88—89; 36—12. Reg. No. 42,072.

Pat. 2,554,316. Production of Radioactive Halogens. Patented May 22, 1951. A radioactive halogen having a high ratio of radioactive atoms to inactive atoms is produced, according to this patent's disclosure, by bombarding with neutrons an organic halide to which has been added a free halogen which is chemically distinct from the halogen in the organic halide. Group 28—88—89. Reg. No. 42,073.

Pat. 2,554,476. Radioactive Product and Method of Producing the Same. Patented May 22, 1951. The element americium is removed from solution, according to this patent's teachings, by mixing a carbonate solution of pentavalent tantalum with a solution containing pentavalent americium and heating to precipitate tantalum as a hydrated oxide to carry americium from the solution. Group 28—88—89. Reg. No. 42,074.

Pat. 2,554,649. Separation of Radium From Barium. Patented May 29, 1951. An adsorption-chromatographic elution process for separating radium values from barium or other materials is described in this patent. Group 28—88—89. Reg. No. 42,075.

Pat. 2,554,792. Pressure Measuring Device. Patented May 29, 1951. The invention covered by this patent is a pressure measuring device of the Phillips ion gauge type consisting principally of two Phillips gauges so connected to a source of A. C. or D. C. power supply that corresponding electrodes of the two gauges are opposite in polarity. Groups 36—13—61—62—92; 39—11. Reg. No. 42,076.

Pat. 2,554,933. Photo-Multiplier Circuit. Patented May 29, 1951. This patent describes a photomultiplier circuit useful as a scintillation counter wherein a pair of photomultiplier tubes are positioned to receive light from a single source, with the electrodes of the tubes interconnected so the output of one tube controls the output of the other tube. Groups 36—13—62; 39—11. Reg. No. 42,077.

General Electric Company offers the patents listed below for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Included among the following 304 patents are various control systems, such as controls for electric switches, fuel burners and furnaces, machine tools, motors, dynamo-electric machines, brakes, conveyors, refrigerators, crane hoists, spinning machines, etc. Also included are: Temperature control devices, a method of producing flexible corrugated tubular members or bellows, a shock-responsive latch, sectional casings for electrical switches and the like, and a device for measuring lengths and correcting skew and bow in woven material. Groups 35—52—84; 36—11—13—19—31—41—99. Reg. Nos. 42,078 through 42,381.

Pat. 1,966,214. Control System. July 10, 1934.

Pat. 1,967,090. Electric Motor Control. July 17, 1934.

Pat. 1,968,576. Control Apparatus for Alternating Current Circuits. July 31, 1934.

Pat. 1,968,639. Motor Control System. July 31, 1934.

Pat. 1,969,536. Apparatus for Controlling the Thickness of Strip Material. Aug. 7, 1934.

Pat. 1,969,587. Electrical Control System. Aug. 7, 1934.

Pat. 1,970,517. Double Acting Electrohydraulic Operator. Aug. 14, 1934.

Pat. 1,971,204. Electrical Resistance Device. Aug. 21, 1934.

Pat. 1,971,811. Control System. Aug. 28, 1934.

Pat. 1,974,318. Electrical System Providing Sequence Operation. Sept. 18, 1934.

Pat. 1,974,984. Control System. Sept. 25, 1934.

Pat. 1,974,991. Combined Automatic and Manual Circuit Controller. Sept. 25, 1934.

Pat. 1,977,341. Machine Tool. Oct. 16, 1934.

Pat. 1,980,796. Motor Starter and Control System. Nov. 13, 1934.

Pat. 1,981,528. System of Motor Control. Nov. 20, 1934.

Pat. 1,983,342. Carrier Conveyer System. Dec. 4, 1934.

Pat. 1,983,387. Method of Working Metal. Dec. 4, 1934.

Pat. 1,985,978. Oil Burner Control. Jan. 1, 1935.

Pat. 1,985,986. Oil Burner Control. Jan. 1, 1935.

Pat. 1,986,031. Oil Burner Control. Jan. 1, 1935.

Pat. 1,988,930. Cold Strip Rolling Mill. Jan. 22, 1935.

Pat. 1,991,232. Electrical System Providing Sequence Operation. Feb. 12, 1935.

Pat. 1,994,324. Electric Circuit Control Means. Mar. 12, 1935.

Pat. 1,994,326. Electric Circuit Control Means. Mar. 12, 1935.

Pat. 1,996,599. Repulsion Relay. Apr. 2, 1935.

Pat. 1,996,606. Repulsion Relay. Apr. 2, 1935.

Pat. 1,997,468. Humidity Responsive Device. Apr. 9, 1935.

Pat. 1,998,939. Contouring Device. Apr. 23, 1935.

Pat. 2,001,543. Control System. May 14, 1935.

Pat. 2,002,374. Control System. May 21, 1935.

Pat. 2,004,770. Bridge Control System. June 11, 1935.

Pat. 2,006,966. Electric Switch. July 2, 1935.

Pat. 2,006,970. Control of Constant Current Circuits. July 2, 1935.

Pat. 2,009,120. Brake. July 23, 1935.

Pat. 2,009,121. Brake Apparatus. July 23, 1935.

Pat. 2,009,853. Brake Mechanism. July 30, 1935.

Pat. 2,010,614. Electric Pulsating Apparatus. Aug. 6, 1935.

Pat. 2,011,022. Speed Control Means for Spinning Machines. Aug. 13, 1935.

Pat. 2,011,023. Speed Control Means for Spinning Machines. Aug. 13, 1935.

Pat. 2,011,065. Speed Controlling Means for Spinning Machines. Aug. 13, 1935.

Pat. 2,011,371. Control System. Aug. 13, 1935.

Pat. 2,011,380. Electrical System Providing Sequence Operation. Aug. 13, 1935.

Pat. 2,011,381. Electrical System Providing Sequence Operation. Aug. 13, 1935.

Pat. 2,014,943. Humidity Responsive Device. Sept. 17, 1935.

Pat. 2,014,972. Apparatus for and Method of Making Metallic Bellows. Sept. 17, 1935.

Pat. 2,016,890. Electrical Load Control System. Oct. 8, 1935.

Pat. 2,021,752. Electric Circuit Resistance-Sensitive Apparatus. Nov. 19, 1935.

Re. 20,353. Motor Control System. May 4, 1937. (Original No. 2,021,757, dated Nov. 19, 1935.)

Pat. 2,022,535. Motor Control System. Nov. 26, 1935.

Pat. 2,023,243. Control System. Dec. 3, 1935.

Pat. 2,025,572. Electrohydraulic Pressure Operating Mechanism. Dec. 24, 1935.

Pat. 2,025,573. Hydraulic Operating Mechanism. Dec. 24, 1935.

Pat. 2,025,575. Control Sytem. Dec. 24, 1935.

Pat. 2,029,164. Rolling Mill Drive. Jan. 28, 1936.

Pat. 2,037,565. Control System. Apr. 14, 1936.

Pat. 2,050,863. Motor Driven System. Aug. 11, 1936.

Pat. 2,051,018. Speed Ratio Indicating Device. Aug. 11, 1936.

Pat. 2,051,379. Thermal Relay. Aug. 18, 1936.

Pat. 2,053,156. Selector Relay System. Sept. 1, 1936.

Pat. 2,053,951. Control System. Sept. 8, 1936.

Pat. 2,055,323. Processing System for Rayon and the Like. Sept. 22, 1936.

Pat. 2,056,019. Speed Controlling Means for Spinning Machines. Sept. 29, 1936.

Pat. 2,056,040. Control System. Sept. 29, 1936.

Pat. 2,056,049. Speed Controlling Means for Spinning Machines. Sept. 29, 1936.

Pat. 2,059,028. Brake Apparatus. Oct. 27, 1936.

Pat. 2,059,057. Differential Time Delay System. Oct. 27, 1936.

Pat. 2,060,672. Control System. Nov. 10, 1936.

Pat. 2,060,774. Control Means for Refrigerator Systems. Nov. 10, 1936.

Pat. 2,064,631. Contactor. Dec. 15, 1936.

Pat. 2,064,632. Electromagnetic Switch. Dec. 15, 1936.

Pat. 2,064,657. Control Device. Dec. 15, 1936.

Pat. 2,066,131. Electric Brake. Dec. 29, 1936.

Pat. 2,070,473. Control System. Feb. 9, 1937.

Pat. 2,070,476. Circuit Controlling Device. Feb. 9, 1937.

Pat. 2,071,176. Machine Tool Control Arrangement. Feb. 16, 1937.

Pat. 2,072,747. Carrier System. Mar. 2, 1937.

Pat. 2,078,109. Timing Control for Oil Burners and the Like. Apr. 20, 1937.

Pat. 2,078,802. Heating Control. Apr. 27, 1937.

Pat. 2,082,660. Circuit Breaker. June 1, 1937.

Pat. 2,084,206. System of Motor Control. June 15, 1937.

Pat. 2,085,577. Burner Control. June 29, 1937.

Pat. 2,088,420. Thermal Release Device. July 27, 1937.

Pat. 2,090,522. Electrical Control Device. Aug. 17, 1937.

Pat. 2,090,526. Circuit Controlling Device. Aug. 17, 1937.

Pat. 2,095,818. Control System. Oct. 12, 1937.

Pat. 2,095,846. Thermostatically-Controlled Switch. Oct. 12, 1937.

Pat. 2,097,319. Safety Control Mechanism. Oct. 26, 1937.

Pat. 2,098,070. Electromagnetic Relay. Nov. 2, 1937.

Pat. 2,098,804. Control System. Nov. 9, 1937.

Pat. 2,099,576. Control System. Nov. 16, 1937.

Pat. 2,103,907. Time Switch. Dec. 28, 1937.

Pat. 2,104,674. Control System. Jan. 4, 1938.

Pat. 2,105,384. Control System. Jan. 11, 1938.

Pat. 2,106,100. Circuit Controlling Means. Jan. 18, 1938.

Pat. 2,106,604. Resistor. Jan. 25, 1938.

Pat. 2,110,707. Control System. Mar. 8, 1938.

Pat. 2,110,716. Control System. Mar. 8, 1938.

Pat. 2,112,736. Flame Detector. Mar. 29, 1938.

Pat. 2,115,582. Time Delay Undervoltage Protective System. Apr. 26, 1938.

Pat. 2,116,420. Control System. May 3, 1938.

Pat. 2,117,869. Circuit Controlling Device. May 17, 1938.

Pat. 2,123,055. Method of Starting Electric Motors. July 5, 1938.

Pat. 2,124,410. Relay Apparatus. July 19, 1938.

Pat. 2,124,415. Driving Means for Spinning Machines. July 19, 1938.

Pat. 2,125,792. Control System. Aug. 2, 1938.

Pat. 2,131,607. Control System. Sept. 27, 1938.

Pat. 2,134,514. Control System. Oct. 25, 1938.

Pat. 2,134,550. Burner Control. Oct. 25, 1938.

Pat. 2,136,256. Furnace Control System. Nov. 8, 1938.

Pat. 2,138,658. Driving Means for Spinning Machines. Nov. 29, 1938.

Pat. 2,145,809. Elevator System. Jan. 31, 1939.

Pat. 2,146,568. Boiler Low Water Cut-Off. Feb. 7, 1939.

Pat. 2,146,608. Time Relay. Feb. 7, 1939.

Pat. 2,155,268. Control System. Apr. 18, 1939.

Pat. 2,158,878. Electric Control System. May 16, 1939.

Pat. 2,158,887. Electrical Sequencing Control. May 16, 1939.

Pat. 2,160,635. Electric Controller. May 30, 1939.

Pat. 2,165,111. Control System. July 4, 1939.

Pat. 2,168,178. Temperature Control System. Aug. 1, 1939.

Pat. 2,175,929. Electric Discharge Lamp. Oct. 10, 1939.

Pat. 2,178,508. Electrical Switch Contact. Oct. 31, 1939.

Pat. 2,185,043. Electric Drive System. Dec. 26, 1939.

Pat. 2,186,839. Control System. Jan. 9, 1940.

Pat. 2,186,843. Control System. Jan. 9, 1940.

Pat. 2,188,804. Control System. Jan. 30, 1940.

Pat. 2,194,325. Classifier Control System. Mar. 19, 1940.

Pat. 2,196,032. Screw Threaded Fastening. Apr. 2, 1940.

Pat. 2,198,477. Control System. Apr. 23, 1940.

Pat. 2,205,900. Electromagnetic Shuttle Stopping Device. June 25, 1940.

Pat. 2,207,572. Electromagnet. July 9, 1940.

Pat. 2,213,080. Bimetallic Thermal Release. Aug. 27, 1940.

Pat. 2,214,640. Control Device. Sept. 10, 1940.

Pat. 2,216,588. Control Device. Oct. 1, 1940.

Pat. 2,218,390. Control System. Oct. 15, 1940.

Pat. 2,220,748. Control System. Nov. 5, 1940.

Pat. 2,221,528. Electric Switch. Nov. 12, 1940.

Pat. 2,223,195. Control System. Nov. 26, 1940.

Pat. 2,223,278. Motor Starter. Nov. 26, 1940.

Pat. 2,223,974. Control System. Dec. 3, 1940.

Pat. 2,224,619. Motor Control System. Dec. 10, 1940.

Pat. 2,229,968. Electric Valve Circuits. Jan. 28, 1941.

Pat. 2,230,726. Circuit Breaker. Feb. 4, 1941.

Pat. 2,230,737. Electric Switch. Feb. 4, 1941.

Pat. 2,230,864. Control System. Feb. 4, 1941.

Pat. 2,232,519. Timing Device. Feb. 18, 1941.

Pat. 2,233,356. Control System. Feb. 25, 1941.

Pat. 2,233,925. Magnetically Operated Device. Mar. 4, 1941.

Pat. 2,233,926. Electric Switch. Mar. 4, 1941.

Pat. 2,235,551. Electric Control System. Mar. 18, 1941.

Pat. 2,236,282. Controller. Mar. 25, 1941.

Pat. 2,236,283. Time Delay Device. Mar. 25, 1941.

Pat. 2,236,981. Timing Device. Apr. 1, 1941.

Pat. 2,237,006. Electric Hygrometer. Apr. 1, 1941.

Pat. 2,237,985. Control System. Apr. 8, 1941.

Pat. 2,238,810. Electric Control System. Apr. 15, 1941.

Pat. 2,239,438. Condition Responsive Device. Apr. 22, 1941.

Pat. 2,240,207. Protective System. Apr. 29, 1941.

Pat. 2,243,071. Furnace Control System. May 27, 1941.

Pat. 2,243,563. Control Device. May 27, 1941.

Pat. 2,245,253. Control System. June 10, 1941.

Pat. 2,247,792. Operating Mechanism. July 1, 1941.

Pat. 2,252,444. Thermal Relay. Aug. 12, 1941.

Pat. 2,253,162. Refrigerator Control System. Aug. 19, 1941.

Pat. 2,256,468. Refrigerator Control Device. Sept. 23, 1941.

Pat. 2,258,228. Solenoid Device. Oct. 7, 1941.

Pat. 2,259,115. Control System. Oct. 14, 1941.

Pat. 2,259,127. Electromagnet. Oct. 14, 1941.

Pat. 2,266,569. Temperature Control System. Dec. 16, 1941.

Pat. 2,266,618. Electromagnet. Dec. 16, 1941.

Pat. 2,272,763. Circuit Controller. Feb. 10, 1942.

Pat. 2,275,192. Control System. Mar. 3, 1942.

Pat. 2,276,803. Control System. Mar. 17, 1942.

Pat. 2,282,833. Electric Protective Device. May 12, 1942.

Pat. 2,282,844. Control Device. May 12, 1942.

Pat. 2,282,865. Electric Switch. May 12, 1942.

Pat. 2,283,706. Protective System and Device. May 19, 1942.

Pat. 2,285,202. Protective System. June 2, 1942.

Pat. 2,285,204. Condition Control System. June 2, 1942.

Pat. 2,285,229. Control System. June 2, 1942.

Pat. 2,287,617. Motor Starter. June 23, 1942.

Pat. 2,289,973. Sensitive Condition Responsive Control Switch. July 14, 1942.

Pat. 2,290,632. Electromagnetic Control Device. July 21, 1942.

Pat. 2,291,364. Control Device. July 28, 1942.

Pat. 2,291,365. Circuit Controller. July 28, 1942.

Pat. 2,291,465. Circuit Breaker. July 28, 1942.

Pat. 2,291,466. Circuit Breaker. July 28, 1942.

Pat. 2,293,474. Control for Automatic Heating Systems. Aug. 18, 1942.

Pat. 2,295,336. Control System for Induction Motors. Sept. 8, 1942.

Pat. 2,296,123. Electroresponsive Device. Sept. 15, 1942.

Pat. 2,297,352. Contactor. Sept. 29, 1942.

Pat. 2,299,501. Control System. Oct. 20, 1942.

Pat. 2,302,399. Thermal Relay. Nov. 17, 1942.

Pat. 2,303,112. Control System. Nov. 24, 1942.

Pat. 2,303,169. Control System. Nov. 24, 1942.

Pat. 2,305,407. Pulsation Apparatus. Dec. 15, 1942.

Pat. 2,305,415. Electromagnet. Dec. 15, 1942.

Pat. 2,306,810. Protective System. Dec. 29, 1942.

Pat. 2,307,484. Thermoresponsive Circuit Controller. Jan. 5, 1943.

Pat. 2,307,497. Thermoresponsive Circuit Controller. Jan. 5, 1943.

Pat. 2,310,730. Circuit Controller. Feb. 9, 1943.

Pat. 2,311,406. Measuring Lengths and Correcting Skew and Bow in Woven Material. Feb. 16, 1943.

Pat. 2,312,110. Rheostat. Feb. 23, 1943.

Pat. 2,312,974. Electric Control Means. Mar. 2, 1943.

Pat. 2,313,597. Thermal Overload Relay. Mar. 9, 1943.

Pat. 2,314,191. Control Device. Mar. 16, 1943.

Pat. 2,314,210. Condition Responsive Control. Mar. 16, 1943.

Pat. 2,314,211. Condition Responsive Control. Mar. 16, 1943.

Pat. 2,315,918. Control Device. Apr. 6, 1943.

Pat. 2,315,960. Circuit Controller. Apr. 6, 1943.

Pat. 2,318,358. Condition Control System. May 4, 1943.

Pat. 2,319,000. Electric Switch. May 11, 1943.

Pat. 2,319,610. Electric Contact Member. May 18, 1943.

Pat. 2,320,117. Electric Control Means. May 25, 1943.

Pat. 2,322,069. Relay. June 15, 1945.

Pat. 2,322,080. Control for Runout Tables of Reversing Mills. June 15, 1943.

Pat. 2,322,560. Safety System. June 22, 1943.

Pat. 2,322,574. Electromagnet. June 22, 1943.

Pat. 2,324,876. Controller Operating Mechanism. July 20, 1943.

Pat. 2,325,440. Sequential Control System and Apparatus. July 27, 1943.

Pat. 2,327,159. Control Device. Aug. 17, 1943.

Pat. 2,330,060. Safe Load Indicator for Crane Hoists. Sept. 21, 1943.

Pat. 2,331,131. Electric Regulating Circuit. Oct. 5, 1943.

Pat. 2,332,325. Electric Control Circuit. Oct. 19, 1943.

Pat. 2,333,978. Control System. Nov. 9, 1943.

Pat. 2,335,071. Control System. Nov. 23, 1943.

Pat. 2,336,871. Electric Switch. Dec. 14, 1943.

Pat. 2,336,908. Time Delay Device. Dec. 14, 1943.

Pat. 2,339,125. Electromagnetic Time Element Device. Jan. 11, 1944.

Pat. 2,339,618. Selective Rate Control System. Jan. 18, 1944.

Pat. 2,340,877. Thermal Responsive Circuit Controller. Feb. 8, 1944.

Pat. 2,341,901. Circuit Controller. Feb. 15, 1944.

Pat. 2,341,931. Circuit Maker and Breaker. Feb. 15, 1944.

Pat. 2,343,648. Control System. Mar. 7, 1944.

Pat. 2,344,809. Electromagnetically Operated Switch. Mar. 21, 1944.

Pat. 2,348,055. Electric Translating Apparatus. May 2, 1944.

Pat. 2,351,968. Refrigerator Control Device. June 20, 1944.

Pat. 2,354,911. Furnace Control System. Aug. 1, 1944.

Pat. 2,361,808. Electromagnet. Oct. 31, 1944.

Pat. 2,361,810. Operating Mechanism. Oct. 31, 1944.

Pat. 2,362,855. Electric Switch. Nov. 14, 1944.

Pat. 2,364,486. Control System. Dec. 5, 1944.

Pat. 2,372,491. Condition Responsive Control. Mar. 27, 1945.

Pat. 2,374,615. Electric Switch. Apr. 24, 1945.

Pat. 2,375,216. Electric Switch. May 8, 1945.

Pat. 2,376,652. Control Device. May 22, 1945.

Pat. 2,377,137. Electromagnetically Operated Switch. May 29, 1945.

Pat. 2,378,173. Latch Mechanism. June 12, 1945.

Pat. 2,379,772. Electromagnetic Relay. July 3, 1945.

Pat. 2,380,782. Housing for Electric Apparatus. July 31, 1945.

Pat. 2,382,849. Cam. Aug. 14, 1945.

Pat. 2,383,805. Electric Switch. Aug. 28, 1945.

Pat. 2,383,806. Temperature Control System. Aug. 28, 1945.

Pat. 2,384,372. Time and Condition Responsive Interlocking Control System. Sept. 4, 1945.

Pat. 2,385,616. Sequence Control System. Sept. 25, 1945.

Pat. 2,388,555. Automatic Pattern Controlled Machine Tool. Nov. 6, 1945.

Pat. 2,392,134. Electric Switch. Jan. 1, 1946.

Pat. 2,392,700. Operating Mechanism. Jan. 8, 1946.

Pat. 2,393,599. Condition Responsive Control System and Apparatus. Jan. 29, 1946.

Pat. 2,394,090. Electric Switch. Feb. 5, 1946.

Pat. 2,394,103. Electromagnet. Feb. 5, 1946.

Pat. 2,398,993. Protective System. Apr. 23, 1946.

Pat. 2,398,994. Control Device. Apr. 23, 1946.

Pat. 2,399,020. Thermomotive Device. Apr. 23, 1946.

Pat. 2,399,517. Shockproof Electromagnet. Apr. 30, 1946.

Pat. 2,399,920. Electric Switch. May 7, 1946.

Pat. 2,401,153. Electric Switch. May 28, 1946.

Pat. 2,401,598. Sectional Enclosing Casing. June 4, 1946.

Pat. 2,402,866. Electric Switch. June 25, 1946.

Pat. 2,404,227. Electromagnetic Control Apparatus. July 16, 1946.

Pat. 2,404,643. Electronic Electroresponsive Apparatus. July 23, 1946.

Pat. 2,405,396. Electromagnet. Aug. 6, 1946.

Pat. 2,407,100. Drafting of Fibers. Sept. 3, 1946.

Pat. 2,409,492. Thermal Time Sequencing Control System. Oct. 15, 1946.

Pat. 2,410,283. Screw-Down Control System. Oct. 29, 1946.

Pat. 2,410,295. Automatic Pattern Controlled Machine Tool. Oct. 29, 1946.

Pat. 2,411,447. Shockproof Switch. Nov. 19, 1946.

Pat. 2,414,331. Motor Overload Protection. Jan. 14, 1947.

Pat. 2,414,961. Electromagnetic Device. Jan. 28, 1947.

Pat. 2,418,329. Switch. Apr. 1, 1947.

Pat. 2,422,040. Magnetic Drive. June 10, 1947.

Pat. 2,423,316. Electric Timer. July 1, 1947.

Pat. 2,425,155. Coil Support. Aug. 5, 1947.

Pat. 2,432,782. Electric Switch. Dec. 16, 1947.

Pat. 2,434,096. Shockproof Electromagnet With Armature. Jan. 6, 1948.

Pat. 2,435,076. Electrically Actuated Valve. Jan. 27, 1948.

Pat. 2,435,484. Electric Contact Device. Feb. 3, 1948.

Pat. 2,436,224. Differential Electromagnet Having Snap Action. Feb. 17, 1948.

Pat. 2,442,587. Electrical Coil and Method of Making the Same. June 1, 1948.

Pat. 2,444,797. Magnetic Coupling. July 6, 1948.

Pat. 2,446,831. Thermal Timing Switch Apparatus. Aug. 10, 1948.

Pat. 2,446,855. Double-Acting Solenoid. Aug. 10, 1948.

Pat. 2,449,800. Refrigeration Control Apparatus. Sept. 21, 1948.

Pat. 2,451,834. Phase Shifting Circuit. Oct. 19, 1948.

Pat. 2,451,887. Keying Control System for Oscillators. Oct. 19, 1948.

Pat. 2,454,552. Temperature Responsive Device. Nov. 23, 1948.

Pat. 2,456,463. Motor Protective Device. Dec. 14, 1948.

Pat. 2,458,939. Control Device. Jan. 11, 1949.

Pat. 2,460,116. Control Device. Jan. 25, 1949.

Pat. 2,461,080. Electric Contact Device. Feb. 15, 1949.

Pat. 2,475,331. Electromagnetically Operated Switch. July 5, 1949.

Pat. 2,480,161. Electric Switch. Aug. 30, 1949.

Pat. 2,489,853. Insulation Coil for Electric Apparatus. Nov. 29, 1949.

Pat. 2,491,822. Maximizing or Minimizing Control System. Dec. 20, 1949.

Pat. 2,499,963. Phase Failure Protective Device. Mar. 7, 1950.

Patent Removed from Register

The following patent listed by General Electric Company as available for licensing is hereby withdrawn from the Register.

Pat. 2,218,398. Electric Line Tapping Apparatus. Listed in the OFFICIAL GAZETTE, May 29, 1951.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 3, 1951

[VOL. 648. No. 1]

ACT OF 1905

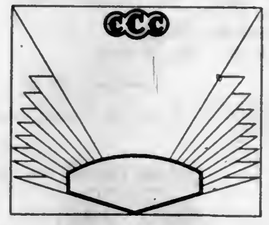
The following trade-marks are published in compliance with section 6 of the act of February 20, 1905 as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 523,567. Color Craft Corporation, Baltimore, Md. Filed June 5, 1947.



For Paints and Industrial Finishes, Specifically, Oil Paints, Exterior Paints, Interior Paints, Water Thinned Paints, Paint Enamels, Varnishes, Paste Paints, Baking Enamels, Protective Paint Coatings, and Resistant Paint Linings.

Claims use since Apr. 28, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,120. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed July 3, 1947.



The words "Linen Fabric" are disclaimed. The drawing is lined for shading only.

For Paper Tablets, and Papeteries—i. e., Stationery Comprising Envelopes and/or Paper, Either Flat or Folded, Put Up in Boxes, Portfolios, or Banded Packages.

Claims use since Mar. 10, 1902, as to "Signature"; and since May 14, 1946, as to the mark shown.

CLASS 39

CLOTHING

Ser. No. 520,105. Olda V. Klein, Washington, D. C. Filed Apr. 3, 1947.

the Stork Set

Fashions FOR THE TIME OF YOUR LIFE

The terminology "Fashions for the Time of Your Life" is disclaimed.

For Maternity Garments—Namely, Dresses, Suits, Skirts, Jackets, Slips, Brassières, Panties, Night Gowns, Pajamas, Short Sleeping Garments, Petticoats, Girdles, Playsuits, Bathing Suits, Outer and Under Shorts.

Claims use since Mar. 11, 1947.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 524,907. Schenley Distillers Corporation, New York, N. Y., now by change of name Schenley Industries, Inc., a corporation of Delaware. Filed June 26, 1947.

AMERIOCA

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.

Claims use since July 24, 1941.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 554,913. Monsanto Chemical Company, St. Louis, Mo. Filed Apr. 17, 1948. (Classified in Class 6.)

MONSANTO

For Synthetic Resins and Plastics in the Form of Solids, Solutions, Emulsions, Sheets, Tubes, Rods and Molding Powders for General Use in the Industrial Arts.
Claims use since January 1940.

Ser. No. 558,946. Société Anonyme des Terres Décolorantes Françaises Franterre, Paris, France. Filed June 10, 1948.

FRANTEX

Applicant claims ownership of French Registration No. 411,190, dated July 15, 1947.
For Clays, Coal, Absorbent and Adsorbent Decolorizing Earths, Rubber in Bulk Sold for Use in the Manufacture of a Wide Variety of Rubber or Rubber Containing Articles of Commerce, All for General Use in the Industrial Arts.

Ser. No. 573,389. Washington State Hop Producers, Inc., Yakima, Wash. Filed Feb. 5, 1949. COLLECTIVE MARK.



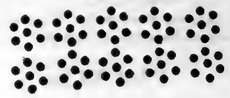
The drawing is lined for green and orange, but no claim is made to color. The representation of the map of the State of Washington and all wording except the word "Chinook" are disclaimed.
For Hops.
Claims use since Sept. 1, 1947.

Ser. No. 584,259. All-America Selections, Harrisburg, Pa. Filed Aug. 31, 1949. CERTIFICATION MARK.

ALL-AMERICA SELECTIONS

The words "America" and "Selections" are disclaimed.
For Flower and Vegetable Seeds.
Claims use since Jan. 1, 1938.

Ser. No. 595,693. Thoroughbred Racing Protective Bureau, Inc., New York, N. Y. Filed Apr. 13, 1950. CERTIFICATION MARK.



The mark consists of double rows of clusters made by tattoo needles, each cluster mark resulting from imprint of seven tattoo needles and each cluster mark being in a distinctive form from the imprint of six tattoo needles arranged in a circle with one tattoo needle in the center of the circle.
For Thoroughbred Horses.
Claims use since Aug. 15, 1946.

Ser. No. 596,644. S. M. Arnold, Inc., St. Louis, Mo. Filed May 1, 1950.

Golden Fleece



For Sponges and Chamois.
Claims use since Feb. 3, 1950.

Ser. No. 604,521. Crossett Chemical Company, Crossett, Ark. Filed Oct. 6, 1950.

CHEF'S FAVORITE

For Charcoal.
Claims use since May 31, 1950.

Ser. No. 604,726. Kuhlke Seed & Grain Company, Augusta, Ga. Filed Oct. 11, 1950.

Tri-Chek

For Field and Garden Seeds.
Claims use since Aug. 15, 1950.

CLASS 2

RECEPTACLES

Ser. No. 597,893. Mirax Chemical Products Corporation, St. Louis, Mo. Filed May 22, 1950.

JUG-LEE



The word "Jug" is disclaimed.
For Thermally Insulated Picnic Jugs.
Claims use since Mar. 29, 1950.

Ser. No. 604,529. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Oct. 6, 1950. (Sec. 2f.)

Dus-Pruf

For Paper Bags.
Claims use since Feb. 8, 1929.

Ser. No. 604,530. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Oct. 6, 1950. (Sec. 2f.)

STURDY

For Paper Bags.
Claims use since June 1923.

Ser. No. 604,686. Cesco Container Company, New York, N. Y. Filed Oct. 10, 1950.



The words "Container Company" are disclaimed. Applicant claims ownership of Registration No. 530,540.
For Metal and Wooden Crates and Cases for Milk and Other Type Bottles.
Claims use since June 1, 1948.

Ser. No. 604,706. Thomas M. Royal & Co., Philadelphia, Pa. Filed Oct. 10, 1950.

ROYLENE

For Paper Bags.
Claims use since Sept. 28, 1950.

Ser. No. 604,779. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Oct. 12, 1950.

IRON OAK

Applicant claims ownership of Registration No. 229,665.
For Paper Bags.
Claims use since Feb. 8, 1929.

Ser. No. 604,839. Chicago Bridge & Iron Company, Chicago, Ill. Filed Oct. 13, 1950. (Sec. 2f.)

HEMISPHEROID

Applicant claims ownership of Registration No. 191,132.
For Liquid Storage Tanks.
Claims use since July 29, 1939.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 581,632. The Winsted Company, Winsted, Conn. Filed July 7, 1949.

TWINCO

For Dog Grooming Supplies—Namely, Combs.
Claims use since Apr. 4, 1949.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 547,906. Hefco Laboratories, Inc., Detroit, Mich. Filed Jan. 24, 1948.

Glo Chrome

Applicant disclaims the word "Chrome."
For Metal Polish.
Claims use since Apr. 15, 1947.

Ser. No. 558,000. Berry Brothers, Inc., Chicago, Ill., and Detroit, Mich. Filed May 28, 1948.

TOP-FLIGHT

For Bowling Alley Cleaner and Polish and Bowling Alley Lacquers, Varnishes, Paints, Enamels, and Shellac.
Claims use since Feb. 1, 1939.

Ser. No. 569,828. Dow Corning Corporation, Midland, Mich. Filed Dec. 3, 1948.



For Silicone Treated Polishing Tissues To Be Used in the Cleaning and Polishing of Glass Surfaces.
Claims use since August 1947.

Ser. No. 582,759. Windsor Wax Company, Inc., Hoboken, N. J. Filed July 30, 1949.

Kare

For Floor Waxes.
Claims use since Jan. 13, 1947.

Ser. No. 595,788. Karseal Corporation, Los Angeles, Calif. Filed Apr. 15, 1950.

SILIKAR

For Automobile Body Polish.
Claims use since Feb. 8, 1949.

Ser. No. 597,990. The Beacon Company, Boston, Mass., assignor to The Beacon Company, Boston, Mass., a corporation of Massachusetts. Filed May 24, 1950.

LIB

For Liquid Wax Having Polishing and Cleaning Properties for Floors, Linoleum, Automobiles, Furniture, Porcelain, Finished Woodwork, and Metalware.
Claims use since Apr. 8, 1950.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 551,836. The White Sea & Baltic Company P. & I. Danischewsky Ltd., London, England. Filed Mar. 12, 1948.

ALPID

Applicant claims ownership of British Registration No. 454,052, dated Nov. 28, 1924.
For Pine Oils, Turpentines, Dipentenes, Camphenes, and Pinenes.

Ser. No. 554,285. Continental Merchandise Corporation, Chicago, Ill., assignor to M. H. Jacobs, Inc., Chicago, Ill., a corporation of Illinois. Filed May 12, 1948.

SKIDOO

For Insecticides.
Claims use since Mar. 8, 1948.

Ser. No. 554,913. Monsanto Chemical Company, St. Louis, Mo. Filed Apr. 17, 1948.

MONSANTO

For Synthetic Resins and Plastics in the Form of Solids, Solutions, Emulsions, Sheets, Tubes, Rods and Molding Powders for General Use in the Industrial Arts.
Claims use since January 1940.

Ser. No. 571,620. Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Filed Jan. 4, 1949.

RED SPOT

Rid-Rot

The words "Rid-Rot" are disclaimed.
For Copper Naphthenate Preparations for Use in the Preservation of Wood and of Textiles.
Claims use since Dec. 14, 1948.

Ser. No. 575,703. General Dyestuff Corporation, New York, N. Y. Filed Mar. 19, 1949. (Sec. 2f.)

AZO FUCHSINE

Applicant claims ownership of Registration No. 150,391.
For Dyes and Dyestuffs.
Claims use since December 1890.

Ser. No. 595,952. Harry L. Goldwag, doing business under the firm name and style of Pedinol Laboratories, New York, N. Y. Filed Apr. 19, 1950. (Classified in Class 18.)

Shufung

For Medicinal Preparation Which Is Sprayed on Articles of Wearing Apparel for Use in the Prevention of Athlete's Foot.
Claims use since May 5, 1947.

Ser. No. 603,577. D-Con Company, a Division of United Enterprises, Inc., Chicago, Ill., assignor, by mesne assignments, to D-Con, Inc., Chicago, Ill., a corporation of Illinois. Filed Sept. 15, 1950.

d-CON

For Rodent Poison.
Claims use since Aug. 16, 1950.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 538,051. Tempo Company, Kansas City, Mo. Filed Oct. 16, 1947. (Sec. 2f.)



For Inks, Driers for Use in Inks, Solvents for Inks, Gelatin Ink-Transfer Media (Namely, Gelatin Pads, Rolls and Sheets) for Hectographs, Ink-Transfer Master Sheets for Spirit Duplicators, Carbon Paper (Including Hectograph Carbon Paper and Spirit Duplicator Carbon Paper), Spirit Duplicator Master Units Comprising Spirit Duplicator Carbon Paper and Ink Transfer Master Sheets Fastened Together, and Typewriter Ribbons (Including Hectograph Typewriter Ribbons).
Claims use since Mar. 3, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 549,646. Metal Tile Products, Inc., Hastings, Mich. Filed Feb. 13, 1948.

HASTINGS

Alumitile

The word "Hastings" is disclaimed.
For Metal Wall Tiles Used To Form a Durable and Decorative Surface.
Claims use since Apr. 15, 1947.

Ser. No. 555,926. Dahlstrom Metallic Door Company, Jamestown, N. Y. Filed Apr. 30, 1948. (Sec. 2f.)



The words "Metal Door" and the sectional view of the goods are disclaimed. Applicant claims ownership of Registration No. 95,605.
For Metallic Doors, Metallic Interior and Exterior Building Trim, Hollow Metal Elevator Entrances, Metallic Mouldings and Windows in Metallic Partitions on Inside Walls.
Claims use since October 1910.

Ser. No. 558,800. Marvin Frederick Druckenbrod, Atlanta, Ga. Filed June 9, 1948.

ALUMITILE

The drawing is lined for blue. The representation of the goods is disclaimed.
For Tile Made of Aluminum With a Baked Enamel Finish.
Claims use since July 30, 1947.

Ser. No. 574,354. Servicised Products Corporation, Chicago, Ill., assignee of Wallace C. Fischer and Cecile G. Fischer, executors of the estate of Albert C. Fischer. Filed Feb. 23, 1949.



For Expansion Joint Sealing Compounds, Fillers and Premolded Expansion Joints and Sealing Strips for Street Pavements, Roads, Floors, and Other Monolithic Constructions, Waterproofing Cements for Concrete Constructions, Roofing Cements, Rubberized Bituminous Materials for Various Construction Purposes, Sheet Cork Building Materials Comprising a Mixture of Asphalt and Cork, Rubberized Tapes, Stair Treads Made of a Rubber Compound With an Abrasive Aggregate Imbedded in the Top Surface and Cut to Size, Rubber Flooring Made of a Rubber Compound With an Abrasive Aggregate Imbedded in the Top Surface and Sold in Tile Form, Asphalt Composition and Mineral Surfaced Planking, Compounds for Sealing Sewer Joints, Rubberized Asphalt Crack Filler, Cork, Asphalt and Rubber Corrugated Strips, Composition Corrugated Strips, Composition Wall Boards, and Roofing Asphalts.
Claims use since 1920.

Ser. No. 580,383. Hiram S. Towns, Fort Wayne, Ind. Filed June 13, 1949.

TOWNSTONE

For Building Construction Material —Namely, Building Blocks and Stucco To Be Used in the Facade of a Building.
Claims use since Aug. 11, 1947.

Ser. No. 586,197. Edward G. Snyder, doing business as Snyder's Super Seal, R. D. 2, Muhlenberg Township, Berks County, Pa. Filed Oct. 12, 1949.

SNYCO

For Roof Coatings of a Blend of Long Staple Canadian Fibers Together With Asphalt and Oils, Roof Coatings of a Plastic Mixture of Asbestos and Oils, Roof Coatings of a Metallic Mixture of Iron Oxide Filings and Portland Cement, Roof Coatings of Coke Oven Tar; Waterproofing Compounds of a Blend of Long Staple Canadian Fibers

Together With Asphalt and Oils, Waterproofing Compounds of a Plastic Mixture of Asbestos and Oils, Waterproofing Compounds of a Metallic Mixture of Iron Oxide Filings and Portland Cement, Waterproofing Compounds of Coke Oven Tar; Caulking Compounds of a Blend of Long Staple Canadian Fibers Together With Asphalt and Oils, Caulking Compounds of a Plastic Mixture of Asbestos and Oils, Caulking Compounds of a Metallic Mixture of Iron Oxide Filings and Portland Cement, Caulking Compounds of Coke Oven Tar; and Cartridges Filled With Said Goods.
Claims use since July 9, 1949.

Ser. No. 588,242. United States Steel Corporation, New York, N. Y. Filed Nov. 23, 1949.

USS

For Steel Flooring, Piling and Structural Shapes; Steel Roofing and Siding Sheets; Fabricated Steel Structural Elements, Concrete Reinforcing Bars and Fabric, Hydraulic Cement, and Flexible Steel Mats.
Claims use since 1934.

Ser. No. 590,470. Vetter Manufacturing Company, Stevens Point, Wis. Filed Jan. 6, 1950.

"weather snug"

No claim is made to the word "Snug."
For Pre-Assembled Windows.
Claims use since Apr. 3, 1946.

Ser. No. 591,861. Pinol Manufacturing Co. Inc., Philadelphia, Pa. Filed Feb. 2, 1950.

PINOL

For Pipe Dope, Patching Plaster, and Roofing Cement.
Claims use since 1915.

Ser. No. 596,637. Baldwin-Hill Company, Trenton, N. J. Filed Mar. 3, 1950.

POWERHOUSE CEMENT

The word "Cement" is disclaimed.
For Finishing Insulating Cement.
Claims use since Apr. 20, 1949.

Ser. No. 602,084. The Columbia Mills, Inc., Syracuse, N. Y. Filed Aug. 11, 1950.

Columbia-matic

Applicant claims ownership of Registration No. 398,459.
For Rolling and Stationary Window Screens.
Claims use since Mar. 1, 1950.

Ser. No. 602,323. Lindgren Company, Inc., San Francisco, Calif. Filed Aug. 17, 1950.

SEMICRETE

For Liquid To Be Added to Cement or Mortar for the Purpose of Making the Cement or Mortar Highly Air-Entrained.
Claims use since July 17, 1950.

Ser. No. 605,853. The Flintkote Company, New York, N. Y. Filed Nov. 3, 1950.

AUDICANE

For Acoustical Tile.
Claims use since Dec. 17, 1947.

Ser. No. 607,051. L. Sonneborn Sons, Inc., New York, N. Y. Filed Nov. 28, 1950.

AEROLITH

For Entraining Agent To Be Mixed With Portland Cement.
Claims use since March 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 531,019. Cock'n Bull Products, Los Angeles, Calif. Filed Aug. 11, 1947.



The words "Moscow Mule" are disclaimed.
For Copper Mugs.
Claims use since March 1942.

Ser. No. 533,531. The Buckeye Aluminum Company, Wooster, Ohio. Filed Sept. 5, 1947.



The words "Wooster, Ohio" and "Aluminum Ware" and the outline representation of the map of Ohio are disclaimed.
For Aluminum Cooking Utensils and Kitchen Utensils—Namely, Egg Poachers, Colanders, Strainers, Inclosed Nested Pans, Roasters, French Fryers, Double Boilers, Dish Pans, Wash Basins, Pie Plates, Cake Pans, Cookie Sheets, Sauce Pans, Sauce Pots, Percolators, Drip Coffee Makers, Deep Receptacles for Sterilizing Canning Jars, Teakettles, Fry Pans, Griddles, Broilers; and Aluminum Waterless Cookware—Namely, Chicken Fryers, Dutch Ovens, Combination Cookers, Sauce Pans, and Sauce Pots.
Claims use since Oct. 28, 1946.

Ser. No. 537,193. Henry Valve Company, Chicago, Ill. Filed Oct. 8, 1947.



For Fluid Treating and Control Devices—Namely, Packless and Packed Fluid Control Valves, Manually Operated and Automatically Operated.
Claims use since January 1946.

Ser. No. 540,281. Illinois Tool Works, Chicago, Ill. Filed Nov. 6, 1947. (Sec. 2f.)

SHAKEPROOF inc.
"fastening Headquarters"

For Thread Cutting Screws, Locking Screws, Assembled Screws and Washers, Lock Washers, Plain Metal Washers, Nuts, Quick Opening Fasteners for Industrial Installations, Snap Fasteners for Industrial Use, Machine Screws, Set Screws, Drive Screws, and Molding Clips.
Claims use since December 1939.

Ser. No. 541,321. N. & M. Zips, Inc., New York, N. Y. Filed Nov. 15, 1947.



Applicant disclaims the representation of the goods.
For Kits for Assembling Slide Fasteners — Namely, Lengths of Slide Fastener Stringers and Scoops, Actuators, Stops, and Separators, Unassembled.
Claims use since Nov. 5, 1947.

Ser. No. 548,265. Kewaskum Utensil Co., Kewaskum, Wis., assignor to Household Guild, Inc., New York, N. Y., a corporation of New York. Filed Jan. 29, 1948.

GUILD-EDGE

For Cooking Utensils—Namely, Aluminum Complete Meal Cookers, Double Boilers, Chicken Fryers, Dutch Ovens, Steamers, Fry Pans, Covered Sauce Pans.
Claims use since Dec. 1, 1947.

Ser. No. 553,737. Pittsburgh Valve and Fittings Corporation, Barberton, Ohio. Filed Apr. 2, 1948.

HYDRO LUBE

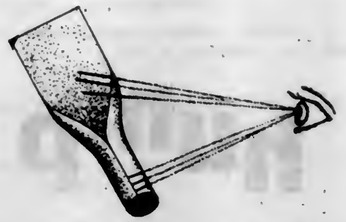
For Plug Valves.
Claims use since Dec. 30, 1947.

Ser. No. 567,473. John B. Traylor, doing business as Creative Engineering, Denver, Colo. Filed Oct. 22, 1948.

Convert-O-Clip

The word "Clip" is disclaimed.
For Metal Clips for Attachment to Cross Tapes of Venetian Blinds To Prevent Shifting of Slats Yet Permit Ready Removal Thereof.
Claims use since June 21, 1948.

Ser. No. 585,079. Republic Steel Corporation, Cleveland, Ohio. Filed Sept. 20, 1949.



For Welded Steel Tubular Articles—Namely, Pipe, Tubing and Casing.
Claims use since Mar. 31, 1949.

Ser. No. 586,598. Integrated Supply Corp., New York, N. Y. Filed Oct. 20, 1949.

Waterwhip

For Sprinklers for Irrigation of Lawns, Gardens, Farms, and the Like.
Claims use since Aug. 15, 1949.

Ser. No. 602,009. The Weatherhead Company, Cleveland, Ohio. Filed Aug. 9, 1950.

ER

For Tube Fittings.
Claims use since Jan. 1, 1946.

Ser. No. 604,301. Earl A. Harris, Orange, N. J. Filed Oct. 2, 1950.

HAND E LAV

The word "Hand" is disclaimed.
For Small Hand-Washing Lavatories for Shops and Garages.
Claims use since Apr. 1, 1950.

Ser. No. 606,008. Stanley G. Flagg & Co., Inc., Philadelphia, Pa. Filed Nov. 7, 1950.

FF-A

The drawing is lined for shading. Applicant claims ownership of Registrations Nos. 351,499 and 539,050.
For Metal Pipe Fittings.
Claims use since July 15, 1950.

Ser. No. 607,378. Decker Manufacturing Company, Keokuk, Iowa. Filed Dec. 7, 1950.

hump

For Hog Rings.
Claims use since Feb. 3, 1950.

Ser. No. 607,966. Selfix Products Co., Chicago, Ill. Filed Dec. 21, 1950.

Selfix

For Hooks.
Claims use since Aug. 8, 1950.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 576,335. F. L. Jacobs Co., Detroit, Mich. Filed Mar. 30, 1949.

CDC

For Die Castings, Plate Die Castings, and the Like.
Claims use since June 1, 1934.

Ser. No. 578,435. A. M. Byers Company, Pittsburgh, Pa. Filed May 9, 1949.

For Metal Blooms, Slabs, Billets, Bars, Plates, and Strips.
Claims use since Mar. 22, 1949.

CLASS 15

OILS AND GREASES

Ser. No. 541,025. The Pure Oil Company, Chicago, Ill. Filed Nov. 13, 1947. (Sec. 2f as to "Pure.")

PURE TORQUE-DRAULIC OIL

The words "Oil" and "Torque" are disclaimed. Applicant claims ownership of Registration No. 514,028.
For Hydraulic Torque Oils.
Claims use since Oct. 23, 1947.

Ser. No. 606,364. Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Filed Nov. 14, 1950. (Sec. 2f.)

BOWES SEAL FAST

The drawing is lined for the color red.
For Upper Cylinder and Valve Lubricant To Be Added to Fuel in Automotive Engines.
Claims use since June 1, 1935.

Ser. No. 606,967. Bigham Gin Supply Co., Lubbock, Tex. Filed Nov. 27, 1950.

BIGSCO

For Lubricating Oils and Greases.
Claims use since July 27, 1950.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 557,992. Berry Brothers, Inc., Detroit, Mich., and Chicago, Ill. Filed May 28, 1948.

BERRYFAST

Applicant claims ownership of Registrations Nos. 98,997, 106,141, 158,612, 194,111, 248,521, 248,522, and 298,009.
For Lacquers and Waterproof Resinous Plastic Wood and Metal Surface Sealer and Finish.
Claims use since May 1, 1943.

Ser. No. 557,996. Berry Brothers, Inc., Detroit, Mich., and Chicago, Ill. Filed May 28, 1948.

BERRYTONE

Applicant claims ownership of Registrations Nos. 98,997, 106,141, and others.
For Wood Finishes—Namely, Oil Stains.
Claims use since July 1, 1935.

Ser. No. 558,000. Berry Brothers, Inc., Chicago, Ill., and Detroit, Mich. Filed May 28, 1948. (Classified in Class 4.)

TOP-FLIGHT

For Bowling Alley Cleaner and Polish and Bowling Alley Lacquers, Varnishes, Paints, Enamels, and Shellac.
Claims use since Feb. 1, 1939.

Ser. No. 589,272. Pierce & Stevens, Inc., Buffalo, N. Y. Filed Dec. 13, 1949.

PRONTO

For Liquid Chemical Composition for Use As a Paint and Varnish Remover.
Claims use since Nov. 4, 1949.

Ser. No. 595,742. The Sargent-Gerke Co., Indianapolis, Ind. Filed Apr. 14, 1950.

GOLD LABEL

Applicant disclaims the right to the exclusive use of a label colored gold.
For House Paint, Varnish, Spar Varnish, Black Asphaltum Varnish, Natural Rubber Tire Paint, and Linoleum Varnish Finish.
Claims use since 1927.

Ser. No. 595,744. The Sargent-Gerke Co., Indianapolis, Ind. Filed Apr. 14, 1950.

SAR-TONER

The term "Toner" is disclaimed.
For Wall Paint.
Claims use since Jan. 1, 1915.

Ser. No. 596,473. Atlantic Paint & Varnish Works, Inc., Wilmington, N. C. Filed Apr. 28, 1950. (Sec. 2f.)

TENACITY

For Semi-Paste Paints, Ready Mixed Paints, Flat Paints, Interior Enamels, Exterior Enamels, and Varnishes.
Claims use since 1920.

Ser. No. 599,800. Allied Chemical & Dye Corporation, New York, N. Y. Filed June 27, 1950.

Skimmer

For Preparation for Use in Paints to Prevent Skinning.
Claims use since Mar. 23, 1950.

Ser. No. 603,653. Stuart-Huard, Inc., Inglewood, Calif. Filed Sept. 16, 1950.

MX-800

For Silicone Containing Additive Compounds for Paints, Enamels, Varnishes, and the Like.
Claims use since June 23, 1950.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 557,206. Parke, Davis & Company, Detroit, Mich. Filed May 17, 1948.

STERI-VIAL

No claim is made to the word "Vial." Applicant claims ownership of Registration No. 375,423.
For Pharmaceutical Preparations—Namely, Hormones, Narcotics, Vitamins, Local Anesthetics, Antihistamines, Antiluetics, Excepients, Ganglionic Blocking Agents, and Antianemia Preparations Sold in Containers for Parenteral Use.
Claims use since Apr. 26, 1939.

Ser. No. 565,444. Montgomery Ward & Co., Incorporated, also doing business as Montgomery Ward & Co., Chicago, Ill. Filed Sept. 18, 1948. (Sec. 2f.)

WARDS

For Vitamins and Vitamin Preparations, Cod Liver Oil and Cod Liver Oil Capsules, and Halibut Liver Oil Capsules, Iron and Yeast Tablets, Liver and Iron Capsules, Ascorbic Acid Tablets, Riboflavin Tablets, Niacinamide Tablets, Thiamin Hydrochloride Tablets, Dry Liver Extract, Oleum Percomorphum, and Douche Tablets.
Claims use since Feb. 1, 1934.

Ser. No. 569,370. The R. T. French Company, Rochester, N. Y. Filed Nov. 24, 1948.



No claim is made to the lining which represents the color green. Applicant claims ownership of Registration No. 370,521.

For Personal Antiseptic and Germicide.

Claims use since May 1935.

Ser. No. 574,866. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Mar. 3, 1949.

CILINATOR

For Antibiotic Inhalator.

Claims use since Feb. 17, 1949.

Ser. No. 575,302. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Mar. 11, 1949.

RESPIHALOR

For Antibiotic Inhalator.

Claims use since Feb. 23, 1949.

Ser. No. 575,544. Nyrope Laboratories, Inc., New York, N. Y. Filed Mar. 16, 1949.

PACITONE

For Vitamin Sedatives in Liquid Form.

Claims use since Feb. 11, 1949.

Ser. No. 575,985. Dowlider J. Gregory, San Francisco, Calif. Filed Mar. 24, 1949.

GREGGRO

For Hair Preparations—Namely, Hair and Scalp Ointment.

Claims use since Dec. 4, 1948.

Ser. No. 576,330. Imperial Chemical (Pharmaceuticals) Limited, Slough, England. Filed Mar. 30, 1949.

PALUDRINE

Applicant claims ownership of British Registration No. 625,967 dated Oct. 22, 1943.

For Derivatives of Chlorophenylisopropyl-Biguanide for the Treatment of Malaria.

Ser. No. 576,701. Hoffmann-La Roche, Inc., Nutley, N. J. Filed Apr. 6, 1949.



Applicant claims ownership of Registration No. 75,372.

For Agents Used in Allergy, Analgesics, Analeptics, Antiinfectives, Antispasmodics, Anesthetics, Autonomic Drugs, Cardiovascular Agents, Suppositories, Diagnostic Aids, Biochemicals, Gastrointestinal Drugs, Hematics, Medicinal Tablets, Powders, and Solutions, Hormone Active Preparations, Agents Used in Metabolic Disorders, Sedatives, Hypnotics, Tonics, Vitamin Active Preparations, Prophylactics, Cough Preparations, Extracts, and Unguents.

Claims use since Nov. 17, 1947.

Ser. No. 581,721. John V. Knight, Minneapolis, Minn. Filed July 9, 1949.

PHEN-OCIN

For Medicinal Preparation for Internal Use in Cases of Headache, Neuralgia, and Pains Centering on the Trigeminal Nerve.

Claims use since Nov. 1, 1924.

Ser. No. 586,143. Commercial Solvents Corporation, New York, N. Y. Filed Oct. 12, 1949.



The word "Ointment" is disclaimed.

For Antibiotic Ointment for Veterinary Use Only Containing Penicillin and Bacitracin.

Claims use since Oct. 7, 1949.

Ser. No. 586,484. Horton & Converse, Los Angeles, Calif. Filed Oct. 18, 1949.

HISTAPYRAN

For Anti-Histaminic Pharmaceutical Preparation Containing Pyranisamine Maleate.

Claims use since Sept. 20, 1949.

Ser. No. 588,128. Fred A. Blust, doing business as The Reed Products Company, St. Louis, Mo. Filed Nov. 21, 1949.

CORBEX

For Analgesic Tablets for the Relief of Muscular Aches and Pains.

Claims use since Aug. 26, 1949.

Ser. No. 590,100. S. B. Penick & Company, New York, N. Y. Filed Dec. 29, 1949.

PENITRACIN

For Medicinal Compositions Having Antimicrobial Properties.

Claims use since Aug. 19, 1949.

Ser. No. 590,815. Kuster Laboratories, Inc., San Francisco, Calif. Filed Jan. 13, 1950.

NUTRI-TASTE

The word "Taste" is disclaimed.

For Concentrated Solution of Amino Acids, Vitamins, and Minerals To Be Added to Animal Food for Dogs and Small Breed Fur-Bearing Animals.

Claims use since Nov. 15, 1949.

Ser. No. 595,194. The Foot-Ill Co., Inc., Norwalk, Conn. Filed Apr. 4, 1950. (Classified in Class 51.)

PORRON

For Antiseptic, Medicated, and Deodorant Lotion for Use in the Treatment of Athlete's Foot and Minor Skin Irritations—Namely, Insect Bites.

Claims use since Feb. 28, 1950.

Ser. No. 595,903. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 18, 1950. (Sec. 2f.)

MASSENGILL POWDER

The word "Powder" is disclaimed.

For Pharmaceutical Preparation Suitable for Regular Use in Personal Hygiene and for Therapeutic Use in a Wide Range of Gynecologic Disorders.

Claims use since Jan. 1, 1930.

Ser. No. 595,952. Harry L. Goldwag, doing business under the firm name and style of Pedinol Laboratories, New York, N. Y. Filed Apr. 19, 1950.

Shufung

For Medicinal Preparation Which is Sprayed on Articles of Wearing Apparel for Use in the Prevention of Athlete's Foot.

Claims use since May 5, 1947.

Ser. No. 596,594. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

GLYPHEN

For Pharmaceutical Preparation Suggested for Treatment of Obesity of Glandular Origin.

Claims use since Jan. 1, 1938.

Ser. No. 596,595. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

GLYSUFED

For Pharmaceutical Preparation Suggested for Treatment of Turgid and Inflamed Mucous Membranes of the Nose and Throat, Especially in Hay Fever, Colds, Coryza, and Some Types of Asthma.

Claims use since Jan. 1, 1939.

Ser. No. 596,697. Abbott Laboratories, North Chicago, Ill. Filed May 2, 1950.

VI-DAYLIN

For Multiple Vitamin Preparation in the Form of a Homogenized Mixture of Both Oil-Soluble and Water-Soluble Vitamins Intended for Oral Administration in the Treatment or Prevention of Certain Nutritional Disorders.

Claims use since Aug. 24, 1944.

Ser. No. 600,570. Clinical Products Limited, Richmond, England. Filed July 13, 1950.

CLINILAX

Applicant claims ownership of British Registration No. B657,853, dated Apr. 1, 1947.

For Laxative Preparation.

Ser. No. 600,657. Casimir Funk Laboratories, Inc., New York, N. Y. Filed July 14, 1950.

MERCURASCORB

Applicant claims ownership of Registration No. 532,179.

For Medicinal Preparation for Use in the Oral Treatment of Conditions Requiring Prompt and Sustained Diuresis.

Claims use since June 7, 1950.

Ser. No. 602,649. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Aug. 23, 1950.

NEORESPIVAC

Applicant claims ownership of registration No. 405,217.

For Preparations Useful in the Prevention and Treatment of Bacterial Infections and Allergic Manifestations, Including Antigenic and Antiallergenic Preparations Effective in the Prevention and Treatment of Allergic Manifestations and/or Infections of the Respiratory Tract.

Claims use since June 9, 1950.

Ser. No. 602,767. F. Harold Lewis, doing business as Rogers Park Drug Company, Baltimore, Md. Filed Aug. 25, 1950.

ARRYL

For Antiseptic Mouth Wash.

Claims use since Jan. 15, 1950.

Ser. No. 604,770. Crookes Laboratories, Inc., New York, N. Y. Filed Oct. 12, 1950.

GENTEXIN

For Analgesic Pharmaceutical Preparation.
Claims use since Sept. 25, 1950.

Ser. No. 605,497. Scorber Distributing Co., Inc., Denver, Colo. Filed Oct. 27, 1950.

greenz *

The drawing is lined for green.
For Body and Breath Deodorant for Internal Use.
Claims use since Oct. 3, 1950.

Ser. No. 605,817. The Upjohn Company, Kalamazoo, Mich. Filed Nov. 2, 1950.

Berubifol

Applicant claims ownership of Registration No. 532,133.
For Medicinal Preparation for Use as a Hematinic.
Claims use since Aug. 22, 1950.

Ser. No. 605,874. Schenley Laboratories, Inc., New York, N. Y. Filed Nov. 3, 1950.

DANTHRON

For Chemical Laxative.
Claims use since Sept. 27, 1950.

Ser. No. 605,876. Schenley Laboratories, Inc., New York, N. Y. Filed Nov. 3, 1950.

LANTHRIN

For Chemical Laxative.
Claims use since Sept. 27, 1950.

CLASS 19
VEHICLES

Ser. No. 598,220. Surface Combustion Corporation, Toledo, Ohio. Filed May 26, 1950.

JANITROL

Applicant claims ownership of Registrations Nos. 278,558 and 284,020.
For Aircraft Heaters, by Which Is Meant a Heater Designed to Heat Aircraft for Passenger Comfort.
Claims use since Feb. 1, 1943.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 562,743. Alhydro, Inc., Baltimore, Md. Filed Aug. 4, 1948.

Alhydro

For Electrolytic Floc Producer Used to Clarify Water.
Claims use since May 14, 1948.

Ser. No. 575,114. Acro Welder Mfg. Co., Milwaukee, Wis. Filed Mar. 9, 1949.

ACRO

For Heavy Duty High Power Stationary and Semi-Portable Electrical Welders and Brazers.
Claims use since 1937.

Ser. No. 581,841. Television Equipment Corporation, New York, N. Y. Filed July 12, 1949.

TEC

For Television Cameras and Parts Thereof, Television Antennae and Parts Thereof, Particularly Multiple Antenna Apparatus Permitting the Simultaneous Operation of a Large Number of Television or Frequency Modulation Receivers From One Antenna.
Claims use since Dec. 1, 1948.

Ser. No. 584,571. Castlelight Company, Castle Shannon, Pittsburgh, Pa. Filed Sept. 8, 1949.

CASTLELIGHT

For Electric Lighting Fixtures—Namely, Fluorescent Lamps for Attachment to the Music Rack of an Organ or a Piano Console.
Claims use since Mar. 17, 1949.

Ser. No. 585,327. Hartwig, Incorporated, Milwaukee, Wis. Filed Sept. 26, 1949.

PIXO-LITE

The word "Lite" is disclaimed.
For Electrically Illuminated Nursery Pictures.
Claims use since Aug. 11, 1949.

Ser. No. 585,633. The Color Lighting Corporation, New York, N. Y. Filed Oct. 1, 1949.

ROLLOCOLOR

For Electric Lighting Apparatus and Parts Thereof—Namely, Electric Lighting Control Apparatus, Spot Lighting Apparatus, Lighting Strips, Rheostats, and Dimmers Therefor.
Claims use since January 1949.

Ser. No. 586,262. Admiral Corporation, Chicago, Ill. Filed Oct. 14, 1949.

Roto-Scope

For Radio and Television Antennas.
Claims use since Sept. 7, 1949.

Ser. No. 591,647. Remington Products Corporation, Elizabeth, N. J. Filed Jan. 18, 1950.

Fly-Master

For Electrically-Heated Vaporizer for Disinfectants.
Claims use since Dec. 10, 1949.

Sr. No. 592,737. The Cleveland Container Company, Cleveland, Ohio. Filed Feb. 14, 1950.

CLEVELITE

Applicant claims ownership of Registration No. 521,575.
For Spirally Laminated Paper Tubing Impregnated With a Thermosetting Plastic for Use in Forms for Radio Coils and General Electrical Insulation, Such as Bushings, Switches, Grommets, and the Like.
Claims use since Jan. 10, 1950.

Ser. No. 593,277. Kisco Company, Inc., St. Louis, Mo. Filed Mar. 2, 1950.

RegalAire

The suffix "Aire" is disclaimed.
For Deflector Type Air Circulator Employing Electrically Driven Fans, Including Floor Models, Desk Models, and Vertical or Column Type Circulators, and Ceiling Circulators.
Claims use since Jan. 19, 1950.

Ser. No. 594,268. General Transformer Corporation, Chicago, Ill., assignor to Nathan Goldman, Chicago, Ill. Filed Mar. 20, 1950.

PERMA-POWER

The word "Power" is disclaimed.
For Rectifiers.
Claims use since May 13, 1947.

Ser. No. 594,864. Stern Brown Inc., Long Island City, N. Y. Filed Mar. 29, 1950.

TWIN SNACKETTE

The word "Twin" is disclaimed.
For Electric Toasters, Waffle Irons, Sandwich Toasters, and Broilers.
Claims use since Feb. 21, 1950.

Ser. No. 597,037. Anchor Appliance Mfg. Co., Columbus, Ohio. Filed Apr. 19, 1950.

Anchor

The drawing is lined for shading only.
For Fluorescent, Slimline, and Incandescent Light Fixtures.
Claims use since July 15, 1945.

Ser. No. 599,191. Raytheon Manufacturing Company, Newton, Mass. Filed June 15, 1950.

For Electrically Operated Communication Apparatus, Particularly Marine Radio Telephones, and Parts Thereof.
Claims use since November 1947.

Ser. No. 603,123. Mullins Manufacturing Corporation, Salem and Warren, Ohio. Filed Sept. 2, 1950.

JET-TOWER

The word "Jet" is disclaimed.
For Automatic Electric Dishwashers and Combined Sinks and Electric Dishwashers.
Claims use since May 15, 1950.

Ser. No. 603,947. The Union Switch and Signal Company, Swissvale, Pa. Filed Sept. 23, 1950.

INFOMAT

For Electrical Apparatus and Equipment in a Correlated System for Posting, and/or Visibly Indicating, and/or Orally Announcing Information at One Point as the Result of Circuit Connections With Recorded Indices at Another Point, for Use in Providing Information as to Train Space Availability or Similar Adaptations, and Parts Thereof.
Claims use since Mar. 10, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 503,518. Hurd Lock & Manufacturing Company, Detroit, Mich. Original filed, act of 1905, June 8, 1946; amended to application under act af 1946, Principal Register, Nov. 19, 1947. (Sec. 2f.)

HURD Super Caster

The word "Caster" is disclaimed.
For Fishing Reels.
Claims use since Mar. 12, 1946.

Ser. No. 540,674. Hurd Lock & Manufacturing Company, Detroit, Mich. Filed Nov. 10, 1947. (Sec. 2f.)

Super Caster

The word "Caster" is disclaimed.
For Fishing Reels.
Claims use since Mar. 12, 1946.

Ser. No. 547,440. The Gangler-Gentry Company, Catonsville, Md. Filed Jan. 19, 1948.



The drawing is lined for yellow, red, and black.
For Game Similar to Tit-Tat-To, Using Playing Pieces and Transparent Superposed Playing Surfaces.
Claims use since June 23, 1947.

Ser. No. 562,650. Lutz Pork Bait Co., Kansas City, Mo. Filed Aug. 2, 1948. (Sec. 2f.)



The trade-mark comprises a continuous colored edge on the goods, which edge is colored black. The drawing is lined for black. The representation of the fish bait is disclaimed.
For Pork Rind Fish Bait.
Claims use since 1925.

Ser. No. 581,435. The New England Box Company, Greenfield, Mass. Filed July 1, 1949.



The words "Knotty Pine Line" and the representation of the outline of New England are disclaimed. Applicant claims ownership of Registration No. 380,932.
For Wooden Toy Blocks, Block Wagons, Nesting Play Boxes With and Without Hinged Covers for Use as Building Blocks and the Like, Toy Tool Boxes and Kits, Wood Modeling Sets, Toy Artists' Easel Boards and Palettes, Toy Trays, Toy Chests, and Disc Ring Toss Games.
Claims use since Apr. 1, 1939.

Ser. No. 584,473. Vanguard Corporation, Springfield, Mass. Filed Sept. 3, 1949.

CHRIS JINGLE

The word "Jingle" is disclaimed.
For Inflatable Toy Figures.
Claims use since June 7, 1949.

Ser. No. 598,693. Tex Tan of Yoakum, Yoakum, Tex. Filed June 6, 1950.

TEXAS RANGER

For Toy Pistol Holsters, Toy Cartridge Belts, and Toy Pistol Holster Sets.
Claims use since May 1947.

Ser. No. 599,352. The United States Playing Card Company, Cincinnati, Ohio. Filed June 17, 1950.

TALLY-HO

Applicant claims ownership of Registration No. 523,258.
For Playing Cards.
Claims use since 1890.

Ser. No. 602,893. Lester M. Davis, doing business as Davis Fishing Tackle Co., Tacoma, Wash. Filed Aug. 29, 1950.

Cutplug

For Fishing Tackle, Viz., Artificial Baits or Lures, Including Types of Lures Which Are Generally Termed Dodgers, Plugs, Spoons, and Spinners.
Claims use since Aug. 10, 1950.

Ser. No. 603,705. Thayer, Inc., Gardner, Mass. Filed Sept. 18, 1950.

"DREAMLINER"

For Doll Carriages.
Claims use since June 19, 1950.

Ser. No. 603,709. The Arnold Tackle Corporation, Paw Paw, Mich. Filed July 28, 1950.

SILVERJIG

For Artificial Bait.
Claims use since Dec. 1, 1949.

Ser. No. 603,711. The Arnold Tackle Corporation, Paw Paw, Mich. Filed July 28, 1950.

"HOPALONG"

For Artificial Bait.
Claims use since May 1, 1950.

Ser. No. 603,743. J. E. Lawrence Co., Portland, Oreg. Filed Sept. 19, 1950.

DRIFT

For Salmon Eggs Used for Bait.
Claims use since Aug. 29, 1950.

Ser. No. 603,958. Laxivators, Inc., Largo, Fla. Filed Sept. 25, 1950.

LAXIVATOR

For Manually Operated Mechanical Rocker Exercising Device.
Claims use since Mar. 1, 1950.

Ser. No. 604,242. Wright & McGill Co., Denver, Colo. Filed Sept. 29, 1950.

NYLA GLASS

The word "Glass" is disclaimed.
For Fishing Rods.
Claims use since Mar. 1, 1949.

Ser. No. 609,000. E. F. Payne Rod Company, Inc., Highland Mills, N. Y. Filed Jan. 19, 1951. (Sec. 2f)

PAYNE

Applicant claims ownership of Registration No. 279,501.
For Split Bamboo Fishing Rods.
Claims use since Jan. 1, 1929.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 522,854. Braden Winch Company, Tulsa, Okla. Original filed, act of 1905, May 22, 1947; amended to application under act of 1946, Principal Register, Apr. 12, 1951. (Sec. 2f.)



The representation of the goods, the word "Winches" and any geographical significance of the representation of the continents of North and South America are disclaimed.
For Automotive Truck Winches, Automotive Truck Power Takeoff Machinery and Power Divider Transmission Machinery.
Claims use since January 1945.

Ser. No. 544,703. The Clayton Manufacturing Company, Bristol, Conn. Filed Dec. 18, 1947.

COLUMBIA

For Scissors and Shears of General Household Utility.
Claims use since Feb. 1, 1915.

Ser. No. 544,704. The Clayton Manufacturing Company, Bristol, Conn. Filed Dec. 18, 1947.

COMMANDER

For Scissors and Shears of General Household Utility.
Claims use since Feb. 1, 1915.

Ser. No. 548,270. Link Manufacturing Company, Inc., Fargo, N. Dak. Filed Jan. 29, 1948.



The representation of the twins are fanciful portraits. The words "Twin-Feed Grain Mover" are disclaimed.
For Blower Type Grain Mover.
Claims use since July 1, 1946.

Ser. No. 565,436. J. M. Lehmann Company, Inc., Lyndhurst, N. J. Filed Sept. 18, 1948. (Sec. 2f.)



For Machines for the Production of Paint and Ink—Namely, Roller Mills for Dispersion of Pigments in Vehicles, and Mechanical Mixing Equipment—Namely, Heavy Duty Mill Paste Mixing Tanks With Vertical Agitators; Machines for the Production of Chocolate—Namely, Roller Mills for Refining of Chocolate Liquor and Paste; Cocoa

Bean Cracking and Separating Machines; Grinding Mills for Reduction of the Cocoa Nib to Chocolate Liquor; Mechanical Mixers for Mixing Chocolate Liquor, Milk, Sugar, and Other Ingredients To Form Chocolate Paste; Mechanical Emulsifiers; Tempering Equipment—Namely, Water Jacketed Tanks With Agitators, Thermal Equalizers Consisting of Twin Interlocking Screw Worms for Conveying Chocolate Through Water Jacketed Double Steel Cylinder Permitting Transfer of Heat So As To Temper the Chocolate to the Required Temperature for Depositing; and Mechanical Conching Equipment—Namely, Disc Conches for Taste Development of Chocolate Through Controlled Aeration, Temperature, and Mixing; Machines for the Production of Soap—Namely, Roller Mills for Milling of Toilet Soap and Soap Flakes; Soap Plodders for Preliminary Extrusion and Final Forming of Soap Bar Ribbon (Prior to Cutting, Stamping, and Wrapping of Soap Cake); Amalgamators for Mixing Soap With Perfume and Essential Oils.

Claims use since Jan. 1, 1935.

Ser. No. 581,479. Hubbard and Company, Pittsburgh, Pa. Filed July 2, 1949.



For Hand Tools and Similar Devices—Namely, Mauls, Hammers, Sledges, Mattocks, Picks, Hoes, Wedges, Bars, Crowbars, Spike Bars, Digging Bars, Tamping Bars, Wrenches, Punches, Chisels, Drift Pins, Fullers, Tongs, and Rail Forks.

Claims use since 1913.

Ser. No. 582,577. Officine G. G. Bossetti Società per Azioni, Novara, Italy. Filed July 27, 1949.

PROFILOMATIC

Priority under sec. 44(*d*). Italian application S. N. 2,870, filed Apr. 12, 1949, Reg. No. 93,167, dated Dec. 19, 1949.

For Machine Tools—Namely, Lathes, Grinding Machines, Planing Machines, and Shaping Machines.

Ser. No. 585,396. Riker Welding Works, doing business as Riker Manufacturing, Toledo, Ohio. Filed Sept. 27, 1949.

RIKER JET

The name "Riker" is disclaimed.

For Mufflers for Internal Combustion Engines.

Claims use since Aug. 16, 1949.

Ser. No. 588,323. Sanzio Pio Vencenzo Piatti, Milan, Italy. Filed Nov. 25, 1949.

MINI MOTOR

Applicant disclaims the word "Motor". Applicant claims ownership of Italian Registration No. 69,597, dated Dec. 19, 1945.

For Internal Combustion Engines, Auxiliary Engines, and Motor Units for Cycles and Outboard Motors, and Parts of All the Foregoing Goods.

Ser. No. 590,044. Wilton Tool Mfg. Co., Chicago, Ill. Filed Dec. 28, 1949.

JUNO

For Bench Vises.

Claims use since Nov. 30, 1949.

Ser. No. 591,689. Morehouse Industries, Los Angeles, Calif. Filed Jan. 30, 1950. (Sec. 2f as to "Morehouse.")



Applicant claims ownership of Registrations Nos. 225,297 and 508,693.

For Industrial Grinding Mills, Mixers, and Parts Thereof for Grinding, Mixing, Emulsifying, Homogenizing, Disintegrating, and Dispersing All Types of Products Including Paints, Inks, Chemicals, Foods, Plasters, Etc.

Claims use since 1948.

Ser. No. 591,987. Great Lakes Industries, Inc., Duluth, Minn. Filed Feb. 4, 1950.

WHIRLPOOL

For Parts Washing Machines—Namely, Degreasing Machines.

Claims use since Dec. 22, 1949.

Ser. No. 592,427. International Business Machines Corporation, New York, N. Y. Filed Feb. 14, 1950.

EXECUTIVE

For Typewriting Machines.

Claims use since October 1947.

Ser. No. 594,927. Timm Industries, Inc., Los Angeles, Calif. Filed Mar. 30, 1950.

FrankOmat

For Coin Operated Sandwich Vending or Dispensing Machine.

Claims use since Mar. 6, 1950.

Ser. No. 595,449. A. M. Collot Supplies, Inc. Miami, Fla. Filed Apr. 8, 1950. (Sec. 2f.)



The words "Supplies, Inc." and "Miami Fla." are disclaimed.

For Lawnmower Parts—Namely, Cast Portions Thereof, Handles, Rollers, Cutting Blades.

Claims use since December 1944.

Ser. No. 597,856. The Wiesner-Rapp Company, Inc., Buffalo, N. Y. Filed May 20, 1950. (Sec. 2f.)

FARNHAM

For Milling Machines, Routers, Profilers, Suction Rolls, Carriage Drills, Countersink Drilling Machines, and Sheet Metal Forming Rolls.

Claims use since 1909.

Ser. No. 598,031. Nuclotex Limited, Bolton, England. Filed May 24, 1950.

NUCLOTEX

Applicant claims ownership of British Registration No. 621,783, dated Jan. 19, 1943.

For Opening, Scutching, Carding, Drawing, Spinning, Twisting, and Winding Machinery for Textile Fibres.

Ser. No. 600,609. News-O-Mat, Ltd., Ottawa, Ontario, Canada. Filed July 13, 1950.

NEWS-O-MAT

The word "News" is disclaimed. Applicant claims ownership of Canadian Registration No. 134 NS 34,316, dated Feb. 1, 1950.

For Newspaper Vending Machines.

Ser. No. 604,389. Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y. Filed Oct. 3, 1950. (Sec. 2f.)

ROSS

For Steam Jet Ejectors.

Claims use since Nov. 28, 1933.

Ser. No. 604,391. Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y. Filed Oct. 3, 1950. (Sec. 2f.)

ROSS

For Steam Jet Ejectors.

Claims use since Oct. 29, 1943.

Ser. No. 604,889. Globe Machine Company, Philadelphia, Pa. Filed Oct. 11, 1950.

GENERAL

For Sewing Machine Heads.

Claims use since May 1, 1950.

Ser. No. 605,805. National Automatic Tool Company, Inc., Richmond, Ind. Filed Nov. 2, 1950. (Sec. 2f.)

BORFACE

For Automatic and Semi-Automatic Metal Working Machine Tools for Turning, Boring, and Facing Operations.

Claims use since Oct. 4, 1945.

Ser. No. 606,071. Brütsch & Co., Zurich, Switzerland. Filed Nov. 8, 1950.

TURISSA

Applicant claims ownership of Swiss Registration No. 132,910, Dated Mar. 20, 1950.

For Sewing and Darning Machines and Parts Thereof.

Ser. No. 606,126. William Boyd, Beverly Hills, Calif. Filed Nov. 9, 1950.

Hopalong Cassidy

The name "Hopalong Cassidy" is wholly fictitious and not the name of any known individual.

For Bicycle Horns.

Claims use since May 15, 1950.

Ser. No. 606,400. The Terrell Machine Company, Charlotte, N. C. Filed Nov. 14, 1950.

Termacomber

Applicant claims ownership of Registrations Nos. 147,704 and 342,148.

For Textile Fiber Combing Machines.

Claims use since Oct. 15, 1948.

Ser. No. 608,881. The National Cash Register Company, Dayton, Ohio. Filed Jan. 17, 1951.

NCR

Applicant claims ownership of Registrations Nos. 148,174, 366,404, and 368,485.

For Hand Stamps.

Claims use since Dec. 14, 1950.

Ser. No. 609,887. Sprague & Henwood, Incorporated, Scranton, Pa. Filed Feb. 9, 1951.

ROSSSET

The drawing is lined for the color green.
For Diamond Bits.
Claims use since Nov. 15, 1950.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 594,635. Falco Products Co., Philadelphia, Pa. Filed Mar. 25, 1950.

Falco

For Clothes Dryers, Clothes Line Props, Clothes Line Poles, Clothes Line Posts.
Claims use since July 1, 1947.

Ser. No. 598,078. Gerry Nufoam Products Corp., New York, N. Y. Filed May 25, 1950.

Gerry Nufoam Ha-ha

The word "Nufoam" and the surname "Gerry" are disclaimed. Applicant claims ownership of Registration No. 510,781.
For Ironing Board Pad.
Claims use since Mar. 1, 1950.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 574,778. Charles B. Kamiss, doing business under the trade name of Kamiss Manufacturing Company, Whitestone, N. Y. Filed Mar. 2, 1949.

KAM-GRIP

The word "Grip" is disclaimed.
For Photographic and X-Ray Film Processing Clamp.
Claims use since Oct. 21, 1948.

Ser. No. 574,857. The Ohio Thermometer Co., Inc., Springfield, Ohio. Filed Mar. 3, 1949.

Household Chef



The words "Household" and "The Magic Wand of a Good Cook" and the representation of the two Thermometers are disclaimed.
For Cooking Thermometers Sold as Sets in Containers.
Claims use since Sept. 15, 1948.

Ser. No. 577,624. Etta Mae Wallace, San Diego, Calif. Filed Apr. 23, 1949.

KALEIDOLIGHT-SHOW PRODUCTIONS

The word "Productions" is disclaimed.
For Series of Shadow Motion Picture Films.
Claims use since Nov. 26, 1948.

Ser. No. 589,895. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed Dec. 24, 1949.

PONY

For Photographic Cameras.
Claims use since Dec. 7, 1949.

Ser. No. 594,676. Westinghouse Electric Corporation, Pittsburgh, Pa., and Buffalo, N. Y. Filed Mar. 25, 1950.

TIMATIC

For Electronic Indicators for Electric Welders Used To Determine "Weld Time" in Accordance With the Combined Thickness of the Pieces To Be Welded.
Claims use since Oct. 17, 1949.

Ser. No. 596,955. Philip F. B. Stahl, Chicago, Ill. Filed May 5, 1950.

STUDIETTE

For Utility Cabinets Containing a Built-In Drawing Table and Designed for Use by Artists and Draftsmen.
Claims use since Feb. 14, 1950.

Ser. No. 600,193. Russell Sabor, Minneapolis, Minn. Filed July 3, 1950.

DOORMASTER

For Electrical Time Controlled Release Actuator for Momentarily Retracting and Releasing a Retaining Element Such as a Bolt or Latch Member at the End of a Pre-Determined Period.
Claims use since June 14, 1950.

Ser. No. 600,844. Natural Colors, Inc., Pompton Lakes, N. J. Filed July 18, 1950.



The representation of the goods and the representation of color are disclaimed. The drawing is lined for purple, dark blue, light blue, green, yellow, orange, and red.
For Photographic and Optical Lenses.
Claims use since July 10, 1950.

Ser. No. 603,721. The Imperial Optical Company Ltd., Toronto, Ontario, Canada. Filed Sept. 6, 1950.

PREMEX

For Ophthalmic Lenses of All Types.
Claims use since Jan. 3, 1923; and since June 15, 1940, in commerce between Canada and the United States.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 570,960. Grand Products Company, Chicago, Ill. Filed Dec. 22, 1948.



For Purse Size Perfume Containers and Dispensers, All Made in Whole or in Part of Precious Metals or Plated With the Same.
Claims use since Feb. 10, 1943.

Ser. No. 607,760. Oneida Ltd., Sherrill and Oneida, N. Y. Filed Dec. 16, 1950.

DAMASK ROSE

The word "Rose" is disclaimed.
For Sterling Silver Hollow Tableware.
Claims use since Nov. 2, 1950.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 603,321. Jenshiro Teruya, New York, N. Y. Filed Sept. 8, 1950.

UNI-BRUSH

The word "Brush" is disclaimed.
For Brushes for Cleaning Bottles.
Claims use since Aug. 8, 1950.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 595,731. Marcellus S. Miller, Norfolk, Va. Filed Apr. 14, 1950.

I Love You

For Plates Made of China.
Claims use since Feb. 20, 1950.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 595,640. Metalcraft Manufacturing Corporation, Memphis, Tenn. Filed Apr. 10, 1950.

Magikooler

For Insulated Portable Chests and Boxes for Ice.
Claims use since Mar. 6, 1950.

Ser. No. 598,334. Tyler Fixture Corporation, Niles, Mich. Filed May 29, 1950. (Sec. 2f.)

DRY-KOLD

For Refrigerated Cases for Bottled Beverages.
Claims use since January 1940.

Ser. No. 598,335. Tyler Fixture Corporation, Niles, Mich. Filed May 29, 1950. (Sec. 2f.)

DRAW-KOLD

For Refrigerated Beverage Dispensing Cases.
Claims use since January 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 566,669. Superior Table Novelties Corporation, Brooklyn, N. Y. Filed Oct. 7, 1948. (Sec. 2f.)

Superior Table Novelties

The words "Table Novelties" are disclaimed.
For End Tables, Folding Chairs, Tables for Household and Office Use.
Claims use since Oct. 28, 1938.

Ser. No. 571,272. Hooker Glass & Paint Mfg. Co., Chicago, Ill. Filed Dec. 29, 1948. (Sec. 2f.)

ON-A-DOOR

The word "Door" is disclaimed.
For Mirrors for Installation on Doors and Furniture.
Claims use since Oct. 27, 1943.

Ser. No. 577,809. Owen Silent Spring Company, Inc., Bridgeport, Conn., assignor to American Chain & Cable Company, Inc., a corporation of New York. Filed Apr. 27, 1949. (Sec. 2f.)

OWEN

For Metallic Coil Springs and Assemblies Thereof for Use in Mattresses and Furniture Seats.
Claims use since April 1936.

Ser. No. 579,424. International Business Machines Corporation, New York, N. Y. Filed May 24, 1949.

IBM

Applicant claims ownership of Registration No. 529,943.
For Time Card Racks.
Claims use since Dec. 1, 1947.

Ser. No. 580,514. The Redlich Manufacturing Company, Pittsburgh, Pa. Filed June 15, 1949.

RED

The drawing is lined for red. The word "Line" is disclaimed.
For Bars—Namely, Front Bars, Back Bars, and Soda Bars; Counters, Bar and Counter Tops, Bar and Counter Bases, Buffets, Buffet Servers, Tables, Table Tops, Table Bases, Pedestal Table Bases, Table Legs, Chairs, Stools, Upholstered Booths, and Costumers.
Claims use since Nov. 1, 1946.

Ser. No. 583,099. S. H. Kress and Company, New York, N. Y. Filed Aug. 6, 1949. (Sec. 2f.)

WASHADE

Applicant claims ownership of Registrations Nos. 266,515 and 341,355.
For Window Shades.
Claims use since Jan. 1, 1932.

Ser. No. 593,912. Falconer Plate Glass Corporation, Falconer, N. Y. Filed Mar. 14, 1950.

FALCON

Applicant claims ownership of Registration No. 289,151.
For Mirrors, More Particularly, Hand, Wall, Dresser, Vanity, Door, and Easel Mirrors.
Claims use since 1938.

Ser. No. 595,307. The Columbia Mills, Inc., Syracuse, N. Y. Filed Apr. 6, 1950.

POLY-PLASTIC

The word "Plastic" is disclaimed.
For Window Shades.
Claims use since Mar. 16, 1950.

Ser. No. 604,099. The Kroger Co., Cincinnati, Ohio. Filed Sept. 27, 1950.

CHECK'N SACK

For Check-Out Counters for Chain Stores and Structural Parts Thereof.
Claims use since Aug. 31, 1950.

Ser. No. 604,351. G. H. Bishop Company, Chicago, Ill. Filed Oct. 3, 1950. (Sec. 2f.)

BISHOP

For All-Purpose Tables and Invoice Desks.
Claims use since 1893.

Ser. No. 604,605. Virtue Bros. Mfg. Co., doing business under the fictitious name of Virtue Brothers of California, Los Angeles, Calif. Filed Oct. 7, 1950.

Tele-Party

For Tables.
Claims use since Sept. 1, 1950.

CLASS 33

GLASSWARE

Ser. No. 582,556. The British Heat Resisting Glass Company Limited, Bilston, England. Filed July 27, 1949.

CLEAR AND STAYS CLEAR

No claim is made to the words "Clear and Stays Clear."
Applicant claims ownership of Registration No. 370,849 and British Registration No. 603,940, dated Jan. 20, 1939.
For Glass Ovenware and Fireproof Cooking Ware.
Claims use since Jan. 20, 1939; and first used in commerce between foreign nations and the United States since Jan. 20, 1939.

Ser. No. 588,644. Hamilton Glass Company, Inc., Chicago, Ill. Filed Dec. 1, 1949. (Sec. 2f.)

HAMILTON

For Plate Glass, Glass for Mirrors and Glass Store Fronts.
Claims use since Feb. 4, 1917.

Ser. No. 601,532. The British Heat Resisting Glass Company Limited, Bilston, England. Filed Aug. 1, 1950.

PHOENIX

Applicant claims ownership of Registrations Nos. 370,849 and 532,874.
For Glass Ovenware and Fireproof Cooking Ware.
Claims use since June 1, 1948; and first used in commerce between foreign nations and the United States on Aug. 1, 1948.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 568,800. Industrial Oven and Equipment Company, Los Angeles, Calif. Filed Nov. 15, 1948. (Sec. 2f.)

DALTON

For Revolving-Tray Bakery Ovens.
Claims use since 1920.

Ser. No. 572,568. Industrial Manufacturing Corp., Indianapolis, Ind. Filed Jan. 22, 1949.

THERMOLATOR

For Liquid Heating and Circulating Machines for Controlling the Temperature for Forming Plastics.
Claims use since June 1948.

Ser. No. 585,583. General Electric Company, Schenectady, N. Y. Filed Sept. 30, 1949.

AIR-WALL

No claim is made to the word "Air."
For Outlet Registers.
Claims use since February 1948.

Ser. No. 587,221. Eureka Williams Corporation, Bloomington, Ill. Filed Nov. 2, 1949.

Vair-O-Meter

The word "Meter" is disclaimed.
For Blowers.
Claims use since Oct. 18, 1949.

Ser. No. 589,299. Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Filed Dec. 14, 1949. (Sec. 2f.)

ALLIS-CHALMERS

For Surface Type Heat Exchangers, Direct Contact Heat Exchangers, Deaerating Heaters, Metallurgical Furnaces, Heated Dryers, Rotary Kilns, Vapor Condensers, and Parts Thereof.
Claims use since Nov. 1, 1903.

Ser. No. 603,076. The Murray Company of Texas, Inc., Dallas, Tex. Filed Sept. 1, 1950. (Sec. 2f.)

MURRAY

For Ventilating Fans and Floor Furnaces.
Claims use since July 1, 1938.

Ser. No. 605,699. Regal Heater Corporation, Los Angeles, Calif. Filed Sept. 18, 1950.

REGAL

For Water Heaters.
Claims use since Feb. 27, 1950.

Ser. No. 609,051. Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Filed Jan. 20, 1951.

PREWAY

Applicant claims ownership of Registration No. 304,699.
For Domestic Gas Ranges, Gas Trailer Ranges, Oil Burning Heaters, Oil Burning Floor Furnaces, Oil Burning Basement Furnaces, Gasoline Camp Stoves, Heat Distribution Blowers for Space Heaters, and Draft Regulators.
Claims use since Dec. 1, 1930.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 606,413. Chris-Kratt Instrument Co., Inc., Union, N. J. Filed Nov. 15, 1950.

FLAMINGO

For Ukeleles.
Claims use since June 30, 1950.

CLASS 37

PAPER AND STATIONERY

Ser. No. 578,479. Battle Creek Letter Shop, Battle Creek, Mich. Filed May 10, 1949.

CRICKET



For Partially Printed Ruled Forms With Printed Headings Particularly Adapted for Use in Bookkeeping, Accounting, and Tax Computations.
Claims use since Jan. 6, 1949.

Ser. No. 602,380. A. B. Dick Company, Niles, Ill. Filed Aug. 18, 1950.



Applicant claims ownership of Registrations Nos. 356,553, 352,367, and 320,099.
For Stencil Sheets, Stencil Typing Film, Stencil Correction Fluid, Styli, File Wrappers, Screen Plates, Writing Plates, Slip Sheets and Intertray Sheets for Use in Stencil Duplication.
Claims use since Feb. 17, 1950.

Ser. No. 603,113. Comfort Paper Corporation, San Francisco, Calif. Filed Sept. 2, 1950.

ZIEIE

Applicant claims ownership of Registrations Nos. 279,461, 331,774, and others.
For Waxed Paper, Facial Tissues, and Shelf Paper.
Claims use on waxed paper since about Nov. 9, 1938; on facial tissues since Apr. 18, 1949; and on shelf paper since May 3, 1949.

Ser. No. 603,316. Sterling Pulp & Paper Company, Eau Claire, Wis. Filed Sept. 8, 1950.

Klix

For Paper Towels, Paper Facial Tissue, Paper Napkins, and Toilet Tissue.
Claims use since Apr. 7, 1950.

Ser. No. 603,898. Sitroux Incorporated, New York, N. Y. Filed Sept. 22, 1950.

Yolanda

For Cleansing Tissues.
Claims use since Jan. 26, 1949.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 593,278. Moses A. Levin, doing business as Greet-A-Tab Company, Baltimore, Md. Filed Mar. 2, 1950.

GREET A TAB

The word "Greet" is disclaimed.
For Greeting Cards and Indicia for Greeting Cards.
Claims use since May 1, 1949.

Ser. No. 597,066. Clissold Publishing Co., Chicago, Ill. Filed May 8, 1950. (Sec. 2f.)

Bakers' Helper

Applicant claims ownership of Registration No. 278,024.
For Periodical.
Claims use since Apr. 1, 1887.

Ser. No. 602,337. Rosenthal Ackerman Millinery Company, St. Louis, Mo. Filed Aug. 17, 1950.

Hat Chat

The word "Hat" is disclaimed.
For Fashion Periodical.
Claims use since August 1946.

Ser. No. 604,020. National Standard Parts Association, Chicago, Ill. Filed Sept. 26, 1950.

NSPA Illustrated NEWS

The words "Illustrated News" are disclaimed.
For Trade Periodicals.
Claims use since Feb. 1, 1949.

Ser. No. 605,275. United Feature Syndicate, Inc., New York, N. Y. Filed Oct. 21, 1950.

MAMIE

The mark is the name of a fictitious character.
For Comic Drawings Published in Sunday Newspapers.
Claims use since July 16, 1950.

Ser. No. 605,324. Nation-Wide Publishing Corp., Chicago, Ill. Filed Oct. 23, 1950.

LUCKY STAR

For Comic Magazines Containing Western Cowboy Stories.
Claims use since Oct. 10, 1950.

Ser. No. 605,340. Doris Koenig, Beverly Hills, Calif. Filed Oct. 23, 1950.

Vagabondia

For Published News Column.
Claims use since Oct. 10, 1948.

Ser. No. 605,387. Wonder Books, Inc., New York, N. Y. Filed Oct. 24, 1950.



The word "Books" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 521,428.
For Books.
Claims use since Mar. 31, 1950.

Ser. No. 605,529. Calvin N. Pierson, Hyattsville, Md. Filed Oct. 26, 1950.

CANINE TRAINING ~ CHIPS

The words "Canine Training" are disclaimed.
For Periodical Publication Devoted to Dog Training.
Claims use since Oct. 1, 1950.

CLASS 39

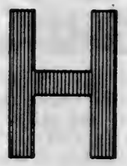
CLOTHING

Ser. No. 526,242. Joseph A. Katz Company, New York, N. Y. Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, May 25, 1950. (Sec. 2f.)

LADY Nottingham

The name "Lady Nottingham" is fanciful.
For Ladies' Hosiery.
Claims use since 1929.

Ser. No. 533,889. C. F. Hathaway Co., Waterville, Maine. Filed Sept. 9, 1947.



The drawing is lined for red.
For Men's Outer Shirts.
Claims use since 1944.

Ser. No. 556,819. S. & S. Underwear Manufacturing Corp., New York, N. Y. Filed May 11, 1948.

Sportmaid

For Ladies' Panties.
Claims use since Mar. 11, 1948.

Ser. No. 563,002. The Mister Short Company, Chicago, Ill. Filed Aug. 7, 1948.

MisterSHIRT

The word "Shirt" is disclaimed.
For Men's Outer Shirts.
Claims use since July 7, 1943.

Ser. No. 568,244. Duracraft Knitwear Company, Perry, N. Y. Filed Nov. 5, 1948.

DURACraft

For Men's, Women's, and Children's Jerseys, T-Shirts, and Sweat Shirts Having Designs or Lettering Thereon.
Claims use since 1936.

Ser. No. 573,754. Benay Albee Novelty Co., Brooklyn, N. Y. Filed Feb. 12, 1949.

PEN - N - DINK

For Women's and Children's Felt Hats and Felt Caps.
Claims use since Nov. 15, 1948.

Ser. No. 576,341. The Frank H. Lee Company, Danbury, Conn. Filed Mar. 30, 1949.

Outdoorsman

For Men's Hats.
Claims use since Feb. 17, 1949.

Ser. No. 579,499. Mr. John, Inc., New York, N. Y. Filed May 25, 1949.

Mr. John

For Women's Hats, Gloves Made of Leather or Fabric or Combinations Thereof, Scarfs, Dresses, and Stoles.
Claims use on hats and gloves since July 23, 1948; on scarfs since Sept. 3, 1948; on dresses since Nov. 1, 1948; and on stoles since Jan. 17, 1949.

Ser. No. 582,514. Artistic Foundations, Inc., New York, N. Y. Filed July 26, 1949.

SPORTAIRE

For Women's and Misses' T-Shirts, Outer Shorts, Garden Coats, Halter Bras, and Culottes.
Claims use since June 1, 1949.

Ser. No. 583,876. S. F. Iszard Company, Elmira, N. Y. Filed Aug. 23, 1949. (Sec. 2f as to "Iszard's.")

ISZARD'S AIRLINE

For Bath Robes, Bathing Suits for Men and Women, Women's Night Gowns and Pajamas; Men's Undershirts and Shorts; Women's Step-Ins, Slips, Girdles, and Dresses; Infants' Dresses, Panties, and Undershirts.
Claims use since June 27, 1949; and since 1910 as to the mark "Iszard's."

Ser. No. 586,056. I. Magnin & Co., San Francisco, Calif. Filed Oct. 10, 1949.

Manor-Bourne

For Women's, Misses', Children's, and Infants' Dresses, Evening Gowns, Skirts, Vests, and Blouses; Lingerie—Namely, Nightgowns, Slips, Panties, and Brassières; Underwear; Corsets; Girdles; Garter Belts; Robes—Namely, Lounging Robes and Bathrobes, Tea Gowns, Pajamas, Negligees, and Dressing Gowns; Wraps; Coats; Capes; Raincoats; Sweaters; Scarves; Jackets; Slacks; Inner and Outer Shorts; Ski Suits; Swim Suits; Hats; Gloves of Leather and/or Fabric; Hosiery; and Shoes and Slippers of Leather and/or Fabric.
Claims use since Mar. 9, 1949.

Ser. No. 588,194. Aldens, Inc., Chicago, Ill. Filed Nov. 23, 1949.

ALDENCREST Jr.

No claim is made to the word "Jr." Applicant claims ownership of Registrations Nos. 406,733, 405,392, and others.
For Boys Wearing Apparel—Namely, Suits, Overcoats, Topcoats, Slacks, Slack Suits, Play Suits, Breeches, Cloth and Leather Jackets, Mackinaws, Knit Sweaters, Dungarees, Coveralls, Overalls, Work Jackets; Cowboy, Indian, and Sailor Costume Suits; Raincoats, Hats, Caps, Helmets, Snow Suits, Ski Pants, Rubber Boots, Rubbers, Leather Boots, Shoes of Leather, Rubber, and Fabric, and Combinations of the Same, House Slippers, Bootees, Dress and Sport Shirts, Knit Outer Shirts, Pajamas, Knit and Textile Underwear, Neckties, Scarfs, and Leather and Cloth Belts.
Claims use since June 23, 1947.

Ser. No. 588,503. Mercantile Stores Company, Inc., Wilmington, Del. Filed Nov. 29, 1949.

Brookford

Applicant claims ownership of Registrations Nos. 231,194, 272,627, and 519,481.
For Undershirts, Pajamas, Under Shorts, Jackets, and Wool and Cotton Sweaters.
Claims use since 1943.

Ser. No. 590,725. Ben Wolfman, Inc., doing business as The Fashion, Houston, Tex. Filed Jan. 11, 1950.



The word "Fashion" is disclaimed.
For Ready To Wear Goods—Namely, Women's Dresses, Coats, and Suits.
Claims use since Sept. 1, 1948.

Ser. No. 594,661. Roosevelt Mills, Inc., Manchester, Conn., and New York, N. Y. Filed Mar. 25, 1950.

Q-T SHIRT

The word "Shirt" is disclaimed.
For Polo Shirts, and Sweaters for Women and Girls.
Claims use since Jan. 15, 1950.

Ser. No. 595,189. M. & B. Cohen Co., New York, N. Y. Filed Apr. 4, 1950. (Sec. 2f.)

PRENTIS

Applicant claims ownership of Registration No. 384,725.
For Men's and Young Men's Suits, Overcoats, Topcoats, Sportcoats, Vests, Trousers, and Sport Jackets of Woolen and Worsted Piece Goods.
Claims use since Oct. 3, 1939.

Ser. No. 597,889. Lindy Joan, Inc., New York, N. Y. Filed May 22, 1950.

WAFOLAY

The drawing is not lined for color.
For Women's Wearing Apparel—Namely, Dresses.
Claims use since Apr. 28, 1950.

Ser. No. 598,446. Ahmco Products, Incorporated, Cambridge, Mass. Filed June 2, 1950.

THE TALKING TEE-SHIRTS

The words "The" and "Tee-Shirts" are disclaimed.
For Children's T Shirts.
Claims use since May 1, 1950.

Ser. No. 599,311. Convertible Furs, Inc., New York, N. Y. Filed June 17, 1950.

The Tri Style

The word "Style" is disclaimed.
For Ladies' Fur Coats.
Claims use since Mar. 1, 1950.

Ser. No. 599,457. Arthur M. Schargel, Somerville, N. J. Filed June 20, 1950.



For Children's Topcoats, Overcoats, Raincoats, Rainhats, Rubbers, Galoshes, Raincapes, Suits, Play Suits, Snow Suits, Rompers, Creepers, Outer and Under Shirts, Collars and Cuffs, Trousers, Dresses, Slacks, Vests, Overalls, Coveralls, Sweaters, Shorts, Drawers, Briefs, Pajamas, Nightdresses, Sleepers, Aprons, Infants' Bands, Bibs, Bathrobes, Shoes, and Slippers, Stockings, Socks, Underwear, Handkerchiefs, Neckties, Suspenders, Belts, Gloves Made of Leather and Fabric and Combinations Thereof, Mittens, Hats, Caps, Berets, Bonnets, Earmuffs, Mufflers and Scarfs, Bathing Suits, Bathing Caps, Removable Garment Liners, Riding Pants, Riding Shirts, Riding Boots, Uniforms.
Claims use since August 1949.

Ser. No. 599,567. The Hecht Company, Washington, D. C. Filed June 22, 1950.

JAY McDOUGAN

The name "Jay McDougan" is fanciful.
For Sport Coats and Slacks for Men and Boys.
Claims use since July 29, 1948.

Ser. No. 599,951. Jet Knitting Mills, Inc., Brooklyn, N. Y. Filed June 29, 1950.

Kurl-Katcher

For Hair Nets, Neckerchiefs, and Cummerbunds.
Claims use since Mar. 1, 1950.

Ser. No. 599,983. Sol Sherman, New York, N. Y. Filed June 29, 1950. (Sec. 2f.)

SLIPON

Applicant claims ownership of Registration No. 362,472.
For Ties, Principally Bow Ties for Collar Attached Shirts and Double Collars.
Claims use since Jan. 8, 1936.

Ser. No. 600,742. Trubenizing Process Corporation, New York, N. Y. Filed July 15, 1950.

UNISON

For Men's Outer Shirts and Collars.
Claims use since June 23, 1950.

Ser. No. 600,743. Trubenizing Process Corporation, New York, N. Y. Filed July 15, 1950.

BENZLIE

For Men's Outer Shirts and Collars.
Claims use since June 23, 1950.

Ser. No. 600,776. William Hollins & Company Limited, Nottingham, England. Filed July 17, 1950.

Viyella

IF IT SHRINKS—WE REPLACE

Applicant disclaims the expression "If It Shrinks—We Replace." Applicant claims ownership of United States Registrations Nos. 63,690, 74,515, and others.
For Men's Garments—Namely, Outer Shirts, Pajamas, Bathrobes, and Hosiery; Ladies' Garments—Namely, Frocks, Blouses, Pajamas, Robes, Negligees, and Nightdresses; and Children's and Infants' Wear—Namely, Gowns, Petticoats, Frocks, Romper Suits, Nightgowns, Daygowns, and Footwear Without Leather Soles; Also Neckties for Men, Women, and Children.
Claims use since January 1949; and first used in commerce between the United States and the United Kingdom of Great Britain in January 1949.

Ser. No. 600,853. Rose & Pack, New York, N. Y. Filed July 18, 1950.

PEARL PERSIAN

The word "Persian" is disclaimed.
For Persian Lamb Fur Coats, Persian Lamb Skins, and Persian Lamb Fur Pieces, Persian Lamb Broadtail Fur Coats, and Fur Pieces.
Claims use since June 15, 1950.

Ser. No. 601,075. Pilot Full Fashion Mills, Inc., Valdese, N. C., and New York, N. Y. Filed July 21, 1950.

Albardon Heel

No claim is made to the word "Heel." Applicant claims ownership of Registration No. 267,755.
For Men's, Women's, and Children's Hosiery.
Claims use since June 26, 1950.

Ser. No. 601,322. Glen Raven Knitting Mills, Inc., Glen Raven, N. C. Filed July 27, 1950.



The lining on the birds indicates the color red. The lining of the background surrounding the words "Glen Raven" and within the confines of the "design" indicate shading only.
For Women's Hosiery.
Claims use since Sept. 10, 1948.

Ser. No. 602,272. H. Mendel & Co., Inc., Atlanta, Ga. Filed Aug. 16, 1950.

JAM-UP

For Work Clothes—Namely, Jackets, Pants, Dungarees, Shirts, and Overalls.
Claims use since June 28, 1938.

Ser. No. 604,152. Hat Corporation of America, Norwalk, Conn. Filed Sept. 28, 1950.

COMPANION

Applicant claims ownership of Registration No. 280,532.
For Hats for Men and Women.
Claims use since July 1, 1930.

Ser. No. 604,704. Perkell Manufacturing Company, Phoenixville, Pa. Filed Oct. 10, 1950.

Treasure Chest

For Women's Lingerie—Namely, Petticoats, Slips, Pajamas, Gowns, and Panties.
Claims use since June 7, 1950.

Ser. No. 604,776. Gem-Dandy, Inc., Madison, N. C. Filed Oct. 12, 1950.

Mon-e-Bra

The word "Bra" is disclaimed.
For Brassières.
Claims use since Oct. 6, 1950.

Ser. No. 604,900. The Brittany Hat Co., Inc., New York, N. Y. Filed Oct. 14, 1950.

HEAD-A-MATIC

For Men's, Women's, and Children's Hats and Caps of Felt, Straw, Wool, and Synthetic Fibers.
Claims use since Oct. 9, 1950.

Ser. No. 605,136. Bernstein, Cohen & Co., Chicago, Ill. Filed Oct. 19, 1950.

Pistol Pete

For Children's Dungarees.
Claims use since Oct. 12, 1949.

Ser. No. 605,446. Silk Skin Inc., New York, N. Y. Filed Oct. 25, 1950.

Silkskin

Applicant claims ownership of Registration No. 322,812.
For Girdles and Panties.
Claims use since Sept. 15, 1950.

Ser. No. 605,541. Valmy Garment Company, Inc., Hammond, La. Filed Oct. 26, 1950. (Sec. 2f.)

Valmy

Applicant claims ownership of Registration No. 427,190.
For Play Suits, Slacks, Sun Suits, Slips, Pajamas, Gowns, Bed Jackets, Petticoats, Panties, Negligees, and House Coats for Women, Misses, and Children.
Claims use since Sept. 10, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 569,853. Esther Jaffe, doing business as Sew E-Z Novelty Shop, Brooklyn, N. Y. Filed Dec. 3, 1948.

SEW-E-Z
SEWING AID

The words "Sewing Aid" are disclaimed.
For Finger Moistener Embodying a Sponge To Be Used as a Sewing Aid.
Claims use since Dec. 1, 1947.

Ser. No. 584,756. Eliscu & Company, Inc., New York, N. Y. Filed Sept. 13, 1949.

SECO

For Bias Binding, Dress Belting, Novelty Trimming, Rick Rack, Seam Binding, Super Twill Tape, Shoulder Pads, Blanket Binding, Carpet Binding, Straight Common Pins, Snap Fasteners, Needles for Hand Sewing.
Claims use since 1934.

Ser. No. 600,474. Elliot, Greene & Co. Inc., New York, N. Y. Filed July 11, 1950.

Marjorie

For Beads, Except of Precious Metal.
Claims use since May 1, 1925.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 594,644. International Umbrella Supply Corporation, Inc., New York, N. Y. Filed Mar. 25, 1950.



No claim is made to the representation of an umbrella.
For Umbrellas.
Claims use since December 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 540,373. Brenda Fabrics, Inc., New York, N. Y. Filed Nov. 7, 1947.



The identity of the person appearing upon the drawing is fanciful.
For Cotton, Rayon, and Woolen Piece Goods, and Textile Fabrics—Namely, Broadcloth, Poplin, and Percale.
Claims use since July 1, 1947.

Ser. No. 549,105. American Silk Mills Inc., New York, N. Y. Filed Feb. 9, 1948. (Sec. 2f.)

pingrain

For Textile Piece Goods of Rayon.
Claims use since February 1936.

Ser. No. 561,493. Sears, Roebuck and Co., Chicago, Ill. Filed July 15, 1948. (Sec. 2f.)

CAMBAY

Applicant claims ownership of Registration No. 317,566.
For Textile Rugs and Carpeting.
Claims use since Nov. 10, 1932.

Ser. No. 561,496. Sears, Roebuck and Co., Chicago, Ill. Filed July 15, 1948. (Sec. 2f.)

FENWICK

Applicant claims ownership of Registration No. 317,565.
For Textile Rugs and Carpeting.
Claims use since Oct. 3, 1932.

Ser. No. 564,743. Shelhar Fabrics Corporation, New York, N. Y. Filed Sept. 4, 1948.

SHELCORD

For Rayon Cotton Cord Fabrics.
Claims use since July 1, 1947.

Ser. No. 574,443. The May Department Stores Company, St. Louis, Mo., doing business under the name Kaufmann Department Stores, Pittsburgh, Pa. Filed Feb. 24, 1949. (Sec. 2f.)

KAUFMANN'S

Applicant claims ownership of Registrations Nos. 212,346, 229,928, and 230,343.
For Textile Rugs, Carpets, Carpeting, Pastry Cloths, Shower Curtains, Bathroom Drapes, Furniture Scarfs, Table Cloths, Table Napkins; Bath, Hand, and Dish Towels; Wash Cloths, Sheets, Pillow Cases, Blankets, Comforts, Spreads, Mattress Protectors, Mattress Covers, Window Curtains, and Window Drapes.
Claims use since July 1, 1913.

Ser. No. 575,116. Bags, Inc., also doing business under the name Wipo Manufacturing Co., Columbus, Ga. Filed Mar. 9, 1949.

Wipo

For Industrial Wiping Towels, and Fabric Squares for Protecting Car Fenders and Car Seats During Car Repair.
Claims use since Aug. 7, 1948.

Ser. No. 576,849. Clearwater Finishing Company, Clearwater, S. C. Filed Apr. 9, 1949.

FORT-I-FIDE

Applicant claims ownership of Registration No. 345,553.
For Piece Goods of Wool, Cotton, Rayon, Nylon, and/or Silk or Combinations Thereof.
Claims use since Mar. 16, 1949.

Ser. No. 577,695. Toscony Fabrics, Inc., New York, N. Y. Filed Apr. 25, 1949.

TOSCOFILM

Applicant claims ownership of Registrations Nos. 359,949 and 411,699.
For Plastic Film in the Piece for Making Into Shower Curtains, Raincoats, Garment Bags, and the Like.
Claims use since Mar. 23, 1948.

Ser. No. 581,026. Sears, Roebuck and Co., Chicago, Ill. Filed June 24, 1949.

FERNDALE

For Textile Rugs and Carpeting.
Claims use since September 1940.

Ser. No. 591,122. The United Piece Dye Works, Lodi, N. J. Filed Jan. 19, 1950.

DURASEC

For Fabrics in the Piece of Rayon, Wool, Cotton, Nylon, and Mixtures Thereof; and Linen Fabrics in the Piece.
Claims use since Sept. 17, 1947.

Ser. No. 592,339. S. Schafran & Co., Inc., New York, N. Y. Filed Feb. 11, 1950.

LAKEWOOD

Applicant claims ownership of Registration No. 295,856.
For Pillow Cases.
Claims use since July 1923.

Ser. No. 592,988. S. M. Ettinger Company, Chicago, Ill. Filed Feb. 24, 1950.



The representation of the person shown in the drawing is fanciful.
For Shower and Window Curtains.
Claims use since Apr. 10, 1949.

Ser. No. 593,878. R. H. Macy & Co., Inc., New York, N. Y. Filed Mar. 13, 1950.

STALWART

For Tablecloths, Towels, Sheets, Pillowcases, and Quilted Mattress Protectors.
Claims use since November 1947.

Ser. No. 594,019. Burlington Mills Corporation, Greensboro, N. C. Filed Mar. 16, 1950.

LINCRISP

For Textile Fabrics in the Piece Made of Synthetic Fibers.
Claims use since Jan. 23, 1950.

Ser. No. 594,177. Kresge-Newark, Inc., Newark, N. J. Filed Feb. 15, 1950. (Sec. 2f.)

MADISON

For Sheets, Pillow Cases, Blankets of Wool or Cotton, Bedspreads, and Comforters.
Claims use since May 19, 1928.

Ser. No. 595,928. The American Fabrics Company, Bridgeport, Conn. Filed Apr. 19, 1950.

AFC

For Piece Goods of Cotton, Linen, and Synthetic Fibres; Luncheon Sets, Pillow Cases, Bed Sheets, Furniture Scarfs, Doilies, Runners, Towels, Table Cloths, and Chair Back Sets.
Claims use since 1923.

Ser. No. 596,015. Frank B. Cooper, doing business as Frank Cooper Rug Manufacturing Company, Scranton, Pa. Filed Apr. 20, 1950.

PEASANT CRAFT

The word "Craft" is disclaimed.
For Textile Rugs.
Claims use since Jan. 23, 1950.

Ser. No. 600,532. Burlington Mills Corporation, Greensboro, N. C. Filed July 12, 1950.

POINT PLEASANT

The word "Point" is disclaimed.
For Textile Fabrics in the Piece, Made of Synthetic Fibers.
Claims use since June 23, 1950.

Ser. No. 601,019. Burlington Mills Corporation, Greensboro, N. C. Filed July 21, 1950.

TROPSACK

For Textile Fabrics in the Piece Made of Synthetic Fibers.
Claims use since July 6, 1950.

Ser. No. 601,614. Gloversville Knitting Company, Gloversville, N. Y. Filed Aug. 2, 1950.

Weatherpac

For Lining Fabrics Made of Alpaca Wool and Cotton.
Claims use since July 17, 1950.

Ser. No. 605,537. John Taylors Limited, Huddersfield, England. Filed Oct. 26, 1950.

COROMIL

For Cloths and Stuffs of Wool, Worsted, or Hair, Sold in the Piece.
Claims use since June 1950; and use in commerce among the several States since June 1950.

Ser. No. 606,525. Robert Emery Gardner, Churchville, N. Y. Filed Nov. 17, 1950.



The figure of the man is fanciful.
For Card Table Covers.
Claims use since Nov. 11, 1949.

CLASS 43

THREAD AND YARN

Ser. No. 601,435. The Hartford Rayon Corporation, Rocky Hill, Conn. Filed July 29, 1950.

BELASTRAW

Applicant claims ownership of Registration No. 393,301.
For Inflated Rayon Yarn.
Claims use since July 1, 1927.

CLASS 44

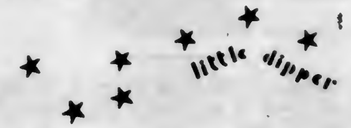
DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 570,319. The Pyramid Rubber Company, Ravenna, Ohio. Filed Dec. 10, 1948. (Sec. 2f.)

EVENFLO

The drawing is lined for blue. Applicant claims ownership of Registration No. 322,650.
For Nursers and Components Thereof Comprising Nursing Bottles, Nipples, Nipple Retaining Caps, and Seal Discs for Nursing Bottles.
Claims use since winter of 1936–7.

Ser. No. 577,986. Paul G. Ridey, Cincinnati, Ohio. Filed Apr. 29, 1949.



For Infants' Bottle Holders.
Claims use since March 1948.

Ser. No. 595,659. Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Filed Apr. 13, 1950.



For Chest Respirators, Cuirasses and Air Pumps for Chest Respirators, Fluoro-Recording Cameras, and Roll Film Cassettes for Use in the Examination of the Human Body.
Claims use since June 15, 1945.

Ser. No. 596,060. Willson Products, Inc., Reading, Pa. Filed Apr. 13, 1950.

AGRISOL

For Respirators and Parts Thereof—Namely, Cartridges and Filters Sold as a Unit.
Claims use since Feb. 27, 1950.

Ser. No. 598,547. Q-Tips, Inc., New York and Long Island City, N. Y. Filed June 3, 1950.

Q-things

Applicant claims ownership of Registration No. 309,256.
For Certain Toilet Accessories for Infants—Namely, Cotton-Tipped Applicators.
Claims use since Sept. 1, 1949.

Ser. No. 599,144. Audivox, Inc., New York, N. Y. Filed June 15, 1950.

audivox

For Hearing Aids, and Accessories Therefor—Namely, Receivers, Batteries, Audiometers, Battery Adapter Compartments, and Cases, Holders, and Other Supports for the Hearing Aid.
Claims use since Nov. 28, 1949.

Ser. No. 600,739. Leland C. Rosemond, New York, N. Y. Filed July 15, 1950.

LISTENER

For Hearing Aid for Personal Use, Comprising a Microphone, Amplifier, and Receiver, Either Air or Bone Conduction.
Claims use since May 26, 1950.

Ser. No. 600,823. Albert P. de Sanno, Jr., trading under the name Albert P. de Sanno & Son, Phoenixville, Pa. Filed July 18, 1950.

Lightning

Applicant claims ownership of Registration No. 251,549.
For Dental Abrading Discs and Strips.
Claims use since June 1912.

Ser. No. 600,833. Hospital Liquids, Inc., Chicago, Ill. Filed July 18, 1950.

R. T.

For Disposable Parenteral Administration Sets, and Disposable Blood Donor Sets, and Disposable Blood Recipient Sets.
Claims use since Oct. 2, 1947.

Ser. No. 603,836. Cole-Whit Co., Inc., Charlotte, N. C. Filed Sept. 21, 1950.

Fem-Hy

For Vaginal Cleansing or Body Cavity Irrigating Apparatus.
Claims use since Dec. 10, 1949.

Ser. No. 604,127. Rectaliat, Inc., Philadelphia, Pa. Filed Sept. 13, 1950.

RECTALIST

For Anoscopes and Rectoscopes.
Claims use on anoscopes since May 2, 1950; and on rectoscopes since May 4, 1950.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 495,809. Min-Sun Trading Co. Chicago, Ill. Original filed, act of 1905, Feb. 1, 1946; amended to application under act of 1946, Supplemental Register, Sept. 15, 1948; amended to Principal Register Jan. 15, 1951. (Sec. 2f.)

MEE JOON

One literal translation of the mark "Mee Joon" means "Flavor Brand" in Chinese.
For Sodium Glutamate Food Seasoning Made From Vegetable Protein.
Claims use since Aug. 6, 1935.

Ser. No. 528,506. The Oakford Company, Peoria, Ill. Filed July 12, 1947. (Sec. 2f.)

PERFECTION

For Table Syrup.
Claims use since 1904.

Ser. No. 537,569. Corona Citrus Association, Corona, Calif. Filed Oct. 11, 1947.

O.I.C.

For Fresh Citrus Fruits.
Claims use since 1898.

Ser. No. 540,140. Armour and Company, Chicago, Ill. Filed Nov. 5, 1947.

REPEAT

For Bacon.
Claims use since 1918.

Ser. No. 540,240. Anabolic Food Products, Inc., Glendale, Calif. Filed Nov. 6, 1947. (Sec. 2f.)

ANABOLIC

Applicant claims ownership of Registration No. 379,127.
For Supplemental Food Preparations in Capsule Form Useful as Dietary Supplements and Containing Dried Vegetables or Vegetable Substances.
Claims use since Jan. 25, 1926.

Ser. No. 543,683. Chinese Trading Company, Chicago, Ill. Filed Dec. 8, 1947. (Sec. 2f.)

MEE JOON

The Chinese words "Mee Joon" are translated to mean "Essence of Flavor."
For Sodium Glutamate Used for Food Seasoning Purposes.
Claims use since Aug. 6, 1935.

Ser. No. 552,223. The Colorado Milling & Elevator Co., doing business as The Lamar Flour Mills Company, Denver and Lamar, Colo. Filed Mar. 18, 1948. CONCURRENT USE with Registration No. 278,983 for the area comprising Colorado, Kansas, New Mexico, Arizona, Oklahoma, Arkansas, Louisiana, and Texas.



The drawing is lined to indicate the colors red and yellow.
For Wheat Flour.
Claims use since June 1897.

Ser. No. 553,293. Lyons-Magnus, Incorporated, San Francisco, Calif. Filed Mar. 29, 1948.



The word "Lyons" is disclaimed. Applicant claims ownership of Registrations Nos. 344,355 and 418,175.
For Fresh Fruits Preserved With Sugar for Use at Soda Fountains and in Making Ice Cream; Mince Meat and Fruit Mix Consisting of Various Fresh, Dried, and Glaced Fruits Preserved in Sugar; Flavoring Extracts for Food Purposes; Imitation Fruit Jelly; Prepared Icing Made From Sugar, Invert Corn Syrups, Albumen, Soya Bean Derivative, and Artificial Flavor for Bakery Products; and Food Syrups Made With Corn Syrup, Sugar, and Invert.
Claims use since 1925.

Ser. No. 561,963. Wilson Products Company, Salt Lake City, Utah. Filed July 22, 1948.

CAVIO

The drawing is lined for red.
For Beef Tamales and Chili Con Carne.
Claims use since October 1939.

Ser. No. 565,106. Baumer Foods, Inc., New Orleans, La. Filed Sept. 14, 1948.



The mark constitutes the representation of a crystal ball and supporting base within the outline of a larger ball and base.
For Jams, Fruit Jellies, Fruit Preserves, Prepared Mustard, and Marmalade.
Claims use since January 1919.

Ser. No. 572,843. Ehrhart-Conrad Company, Hanover, Pa. Filed Jan. 26, 1949.

ECCO

For Canned Vegetables, Citrus Fruit Juices, Vegetable Juices, Canned Beans With Pork, Coffee, Vegetable Purées, and Canned Fruits.
Claims use since 1902.

Ser. No. 573,920. College Inn Food Products Company, Chicago, Ill. Filed Feb. 16, 1949.



The portrait is of a fictitious person. Applicant claims ownership of Registrations Nos. 175,067 and 433,688.
For Canned Cream of Pea Soup; Canned Consomme Madrilene; Canned Chicken Gumbo Soup; Canned Chicken Broth; Canned Chicken Noodle Soup; Canned Cream of Tomato Soup; Canned Bean Soup With Ham; Canned Cream of Chicken Soup; Canned Cream of Celery Soup; Canned Cream of Mushroom Soup; Canned Clam Chowder; Canned Chicken Soup; Canned Rice Dinner (a Food Product Containing Rice, Tomatoes, Green Peppers, Onion, Pimiento Peppers, Beef Fat, Sugar, Salt, Beef Extract, Spices, and Water); Canned and Bottled Boned Chicken; Bottled Egg Noodle and Chicken Dinner; Canned Fricassee of Chicken Wings; Canned Chicken Fricassee (Boneless); Canned Chili Con Carne With Beans; Canned and Bottled Tomato Juice Cocktail; Canned, Bottled and Frozen Chicken a la King; Bottled Extra Sweet Pickle Chips; Bottled Cross Cut Dill Pickles; and Bottled Extra Sweet Pickle Relish.
Claims use since Feb. 2, 1922.

Ser. No. 574,881. Armour and Company, Chicago, Ill. Filed Mar. 4, 1949.

ARMTEX

For Food Product Containing Whole Eggs, Yolks, Malt Syrup, and Salt Used as an Ingredient in Baked Goods.
Claims use since Feb. 8, 1949.

Ser. No. 575,974. C. A. Curtze Company, Erie, Pa. Filed Mar. 24, 1949.

Curtsy

For Canned Fruits, Canned Apple Sauce, Vegetables, and Fruit and Vegetable Juices.
Claims use since Feb. 10, 1949.

Ser. No. 576,581. Gordon Baking Company, Detroit, Mich. Filed Apr. 4, 1949. (Sec. 2f as to "Gordon's.")

GORDON'S Silvercup

Applicant claims ownership of Registrations Nos. 256,692, 179,870, 216,160, and 516,686.
For Coffee Cake.
Claims use since Mar. 1, 1943.

Ser. No. 576,949. Ariston Canning Co., Cologne, N. J. Filed Apr. 12, 1949.

Jersey Delight

The word "Jersey" is disclaimed.
For Canned Fruits, Berries, and Vegetables—Namely, Canned Blueberries, Cranberry Sauce, and Tomatoes.
Claims use since Mar. 12, 1949.

Ser. No. 577,172. Dittmar's Candies, Inc., Chicago, Ill. Filed Apr. 15, 1949.



For Sugar and Chocolate Coated Candies.
Claims use since spring of 1945.

Ser. No. 580,270. The Wall-Rogalsky Milling Company, McPherson, Kans. Filed June 10, 1949.

WONDER WHITE

The word "White" is disclaimed.
For Plain and Self-Rising Hard Wheat Flour.
Claims use since July 28, 1948.

Ser. No. 581,883. Ben Myerson, doing business as Ben Myerson Candy Co., Los Angeles, Calif. Filed July 13, 1949.

CHERRY TYME

The word "Cherry" is disclaimed.
For Candy.
Claims use since Feb. 26, 1941.

Ser. No. 584,211. Yakima Fruit & Cold Storage Co., Yakima, Wash. Filed Aug. 29, 1949.

Apple Town

The word "Apple" is disclaimed.
For Fresh Apples.
Claims use since May 24, 1949.

Ser. No. 588,079. Challenge Cream & Butter Association, Los Angeles, Calif. Filed Nov. 19, 1949.



Applicant claims ownership of Registrations Nos. 221,042, 272,840, and 286,346.
For Oleomargarine.
Claims use since Oct. 18, 1949.

Ser. No. 588,327. Societe Anonyme "Ostendia," Breedene, Sas-Slijkens, near Ostend, Belgium. Filed Nov. 25, 1949.



The portraits are fictitious persons. Applicant claims ownership of Belgian Registration No. 172, dated Sept. 26, 1927, and United States Registration No. 264,923, dated Dec. 10, 1929.
For Preserved Fish—Namely, Sardines.

Ser. No. 589,565. Helen Corbitt, Houston, Tex. Filed Dec. 19, 1949.



The drawing is lined for green. No claim is made to color.
For Remoulade Sauce and Poppy Seed Salad Dressing.
Claims use since Mar. 15, 1946.

Ser. No. 593,083. Pillsbury Mills, Inc., Minneapolis, Minn. Filed Feb. 25, 1950.

NORTHERN KING

Applicant claims ownership of Registrations Nos. 112,707, 203,968, and 433,000.
For Wheat Flour.
Claims use since Nov. 20, 1915.

Ser. No. 594,433. Edward H. Anderson & Co., Chicago, Ill. Filed Mar. 23, 1950.



The word "Brand" is disclaimed.
For Potatoes in the raw state.
Claims use since May 1, 1949.

Ser. No. 595,803. White-Stokes Co., Inc., Chicago, Ill. Filed Apr. 15, 1950. (Sec. 2f.)

KWIK-JEL

Applicant claims ownership of Registration No. 228,014.
For Soluble Powdered Jelly Base for Making Pectin Jelly, Imitation Jellies, Jams, and Preserves.
Claims use since Mar. 12, 1926.

Ser. No. 600,862. Texas Star Foods, Inc., San Antonio, Tex. Filed July 18, 1950.

TRI-PAK

The word "Pak" and the representation of the goods are disclaimed.
For Oleomargarine.
Claims use since July 2, 1950.

Ser. No. 601,468. J. Rubin Sons Inc. of Chicopee, Chicopee, Mass. Filed July 29, 1950.

Eta Boy

For Candy on a Stick.
Claims use since February 1927.

Ser. No. 601,649. Mrs. Tucker's Foods, Inc., Sherman, Tex. Filed Aug. 2, 1950.

TRI-PATS

The word "Pats" is disclaimed.
For Oleomargarine.
Claims use since July 5, 1950.

Ser. No. 601,817. Gerald G. Balch, doing business as Balch Flavor Company, Pittsburgh, Pa. Filed Aug. 7, 1950.

WAVE

Applicant claims ownership of Registration No. 384,952.
For Flavoring Syrups for Ice Cream and for Other Food Products.
Claims use since October 1939.

Ser. No. 602,124. Rochester Dairy Cooperative, Rochester, Minn. Filed Aug. 12, 1950.

RALLY

For Chocolate Flavored Milk Drink.
Claims use since July 25, 1950.

Ser. No. 602,409. Kings County Packing Company, Ltd., San Francisco, Calif. Filed Aug. 18, 1950. (Sec. 2f.)

NUBIAN

For Canned Kadota Figs.
Claims use since Aug. 15, 1932.

Ser. No. 602,556. Hidalgo Distributing Company, McAllen, Tex. Filed Aug. 22, 1950.

Sugar Babe

The word "Sugar" is disclaimed.
For Canned Pineapple and Canned Pineapple Juice for Food Purposes.
Claims use since June 12, 1950.

Ser. No. 603,040. Asselin Creamery Company, Norway, Mich. Filed Sept. 1, 1950.

SPOONERS

For Ice Cream Sundaes.
Claims use since June 1, 1950.

Ser. No. 604,056. Frank M. Wilson Company, Stockton, Calif. Filed Sept. 26, 1950.

Oakport

Applicant claims ownership of Registration No. 244,382.
For Canned Fruits.
Claims use since July 15, 1927.

Ser. No. 604,291. Brock Candy Company, sometimes doing business as The Lookout Candy Company, Chattanooga, Tenn. Filed Oct. 2, 1950.

Lady Helen

For Candy.
Claims use since Sept. 22, 1950.

Ser. No. 604,851. Lamanuzzi and Pantaleo, Fresno, Calif. Filed Oct. 13, 1950.

PIA

For Fresh Grapes and Fresh Deciduous Fruits.
Claims use since Aug. 25, 1950.

Ser. No. 612,681. Century Candy Company, Chattanooga, Tenn. Filed Apr. 16, 1951.

NIK-NAKS

For Candy.
Claims use since Aug. 29, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 582,395. Stitzel-Weller Distillery, Louisville and Shively, Ky. Filed June 16, 1949. (Sec. 2f.)

Old Stitzel

Applicant claims ownership of Registrations Nos. 358,469 and 410,008.
For Whiskies.
Claims use since May 25, 1936.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 571,590. Western Rubber Company, Goshen, Ind. Filed Jan. 3, 1949.

PneuMat

The term "Mat" is disclaimed.
For Resilient Mats of Elastic Material, Such as Molded Natural or Synthetic Rubber.
Claims use since Aug. 3, 1948.

Ser. No. 587,669. Feed-O-Matic Co., Inc., Portland, Maine. Filed Nov. 10, 1949.

Feed-o-Matic

The word "Feed" is disclaimed.
For Automatic Mechanical Poultry Feeder.
Claims use since Feb. 1, 1949.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 545,722. Daggett & Ramsdell, New York, N. Y., assignor to Daggett and Ramsdell, Inc., New York, N. Y., a corporation of Delaware. Filed Dec. 30, 1947.

"all ABOARD"

For Hand-Portable Travel Kit Which Contains Cosmetics—Namely, Beauty Lotion, Skin Freshener, Deodorant Cologne, Face Powder, Rouge, and Lipstick.
Claims use since Aug. 11, 1947.

Ser. No. 548,611. George J. Roggenbuck, doing business as G. Roggie Lab., Long Beach, Calif. Filed Feb. 2, 1948. (Sec. 2f.)



The portraiture is fanciful. The words "Hair Rinse" and the slogan "Glamour in Grey" are disclaimed.
For Hair Rinses and Dyes.
Claims use since Sept. 30, 1938.

Ser. No. 555,170. Galenol Company, Atlanta, Ga. Filed Apr. 21, 1948.



The words "Skin Whitener" are disclaimed. The term "Dr. Fred Palmer's" Refers to Dr. Fred Palmer, now deceased. Applicant claims ownership of Registration No. 294,596.
For Preparation Used as a Skin Bleach for Clearing the Complexion and for Whitening Sallow or Dark Skin.
Claims use since 1909.

Ser. No. 575,913. Lancome, S. A., doing business as Lancôme, Paris, France. Filed Mar. 23, 1949.



The drawing is lined for orange, purple, blue, pink, red, green, and brown. The words "Lancôme," "Paris," and "France" are disclaimed. Applicant claims ownership of French Registration No. 381,274, dated Nov. 6, 1947.
For Toilet Water, Eaux de Cologne, and Skin Lotions.

Ser. No. 577,756. Robert Turner, doing business as Sparglo Laboratories, Bridgeport, Conn. Filed Apr. 26, 1949.

SPARGLO

For Cosmetic Preparations—Namely, Hair Tonic, Hair Dressing, Skin Lotion, and Face Cream.
Claims use since February 1948.

Ser. No. 581,167. Boyer International Laboratory, Incorporated, Chicago, Ill. Filed June 28, 1949.

H-A
Hair-A-Ranger

The word "Hair" is disclaimed.
For Liquid Hair Dressing.
Claims use since 1928.

Ser. No. 583,426. Caron Corporation, New York, N. Y. Filed Aug. 13, 1949.

la fete des roses

The word "Roses" is disclaimed.
For Perfume Extracts, Perfume, Toilet Water, Face Powder, and Bath Powder.
Claims use since Aug. 9, 1949.

Ser. No. 587,246. Chen Yu, Inc., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York. Filed Nov. 3, 1949.

STAR SAPPHIRE

Applicant claims ownership of Registration No. 519,841.
For Lipstick and Nail Lacquer.
Claims use since Sept. 26, 1949.

Ser. No. 591,551. Benard & Honnorat, Grasse, Alpes Maritimes, France. Filed Jan. 27, 1950. (Sec. 2f.)

Molinard

For Perfumes, Toilet Waters, Colognes, Face Powder, Rouge, Lipstick, Eye Shadow, Mascara, Brilliantine.
Claims use since 1849; and use in commerce among the several States since January 1930.

Ser. No. 595,194. The Foot-Ill Co., Inc., Norwalk, Conn. Filed Apr. 4, 1950.

PORRON

For Antiseptic, Medicated, and Deodorant Lotion for Use in the Treatment of Athlete's Foot and Minor Skin Irritations—Namely, Insect Bites.
Claims use since Feb. 28, 1950.

Ser. No. 601,704. Elizabeth Arden Sales Corporation, New York, N. Y. Filed Aug. 4, 1950.

Surprise

For Perfume, Toilet Water, Lipstick, Rouge, Nail Polish, and Face and Dusting Powders.
Claims use since Dec. 2, 1940.

Ser. No. 606,494. Schratz Products, Detroit, Mich. Filed Nov. 16, 1950.

JUMBO'S

For Bath Bubbling and Perfuming Compounds.
Claims use since Oct. 1, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 569,828. Dow Corning Corporation, Midland, Mich. Filed Dec. 3, 1948. (Classified in Class 4.)



For Silicone Treated Polishing Tissues To Be Used in the Cleaning and Polishing of Glass Surfaces.
Claims use since August 1947.

Ser. No. 578,342. Monsanto Chemical Company, St. Louis, Mo. Filed May 6, 1949.

STERLOX

For Surface Active Compositions for Use as Detergents.
Claims use since Apr. 22, 1949.

Ser. No. 581,792. Armour and Company, Chicago, Ill. Filed July 12, 1949.

BALLOON

For Soap.
Claims use since May 16, 1949.

Ser. No. 588,516. Products Packaging, Inc., Cleveland, Ohio. Filed Nov. 29, 1949. (Sec. 2f.)

Brush Top

For Cleansing Fluids for the Removal of Spots, Etc., From Fabrics and the Like.
Claims use since 1938.

Ser. No. 599,264. Will Ross, Inc., Milwaukee, Wis. Filed June 16, 1950.

AREX

For Surgical Cleanser for Metal, Glass, or Rubber.
Claims use since May 31, 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 581,429. Arthur Cullen Lewis, Jr., doing business as Bellemont Motor Hotels, Baton Rouge, La. Filed July 1, 1949.



The words "Expertus Fidelem" mean "Skilled and Reliable"; no claim is made to these words, and no claim is made to "Motor Hotels," except in the association shown.

For Motor Hotel Services.

Claims use since September 1946.

Ser. No. 595,188. The Chi Phi Fraternity, Atlanta, Ga. Filed Apr. 4, 1950. COLLECTIVE MARK.



Applicant claims ownership of Registration No. 265,919.

For Organizing of Chapters in a National Collegiate Fraternity and Maintaining Membership Therein.

Claims use since 1947.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 589,340. Shell Oil Company, New York, N. Y. Filed Dec. 14, 1949.



The words "Heat Service" are disclaimed. Applicant claims ownership of Registrations Nos. 253,361, 286,178, 290,662, and 439,891.

For Maintenance and Reconditioning Service for Oil Burners.

Claims use since 1937.

Ser. No. 601,085. West Winds, Incorporated, San Francisco, Calif. Filed July 21, 1950.



For Repairing Diesel Engines and Metal Work Incident to Ship Repair.

Claims use since Apr. 17, 1947.

CLASS 106

MATERIAL TREATMENT

Ser. No. 586,150. Duro Finishing Corporation, Fall River, Mass. Filed Oct. 12, 1949.



The word "Fast" is disclaimed.

For Dyeing, Shrinking, and Waterproofing of Textile Materials.

Claims use since Sept. 30, 1949.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1946, PRINCIPAL REGISTER

544,461. Towels and Piece Goods of Linen or Cotton, or Cotton Mixed With Linen Fibers. Boott Mills, Lowell, Mass.
Original filed, act of 1905, May 29, 1946; amended to application under act of 1946, Principal Register, Nov. 18, 1948, Serial No. 502,942. Published Apr. 3, 1951. Class 42.

544,462. Electrical Apparatus Incorporating an Electro-Mechanical Balance—Namely, Detectors, Transmitters, Amplifiers, Etc. Manning, Maxwell & Moore, Incorporated, New York, N. Y.
Original filed, act of 1905, Apr. 11, 1947; amended to application under act of 1946, Principal Register, Mar. 8, 1950, Serial No. 520,514. Published July 18, 1950. Class 21.

544,463. Ready-Mixed Metallic Paint. Carsolite Corporation, doing business as The Madison Laboratories, Chicago, Ill.
Original filed, act of 1905, Apr. 12, 1947; amended to application under act of 1946, Principal Register, Jan. 27, 1949, Serial No. 520,549. Published Apr. 3, 1951. Class 16.

544,464. Trade Publication, Issued Periodically. Honan-Crane Corporation, Lebanon, Ind.
Original filed, act of 1905, Apr. 12, 1947; amended to application under act of 1946, Principal Register, July 14, 1950, Serial No. 520,560. Published Apr. 10, 1951. Class 38.

544,465. Periodical Publication Column. Industrial Medicine Publishing Company, Chicago, Ill.
Original filed, act of 1905, May 8, 1947; amended to application under act of 1946, Principal Register, Sept. 26, 1950, Serial No. 526,344. Published Mar. 27, 1951. Class 38.

544,466. Wire Connectors. W. N. Matthews Corporation, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,142. Published Oct. 31, 1950. Class 21.

544,467. Potatoes in Their Natural State. Paul D. Jones, Inc., Hollandale, Minn.
Filed Sept. 12, 1947, Serial No. 534,288. Published Jan. 16, 1951. Class 46.

544,468. Clear Varnish. Seidlitz Paint & Varnish Co., Kansas City, Mo.
Filed Sept. 29, 1947, Serial No. 536,151. Published Apr. 3, 1951. Class 16.

544,469. Anode Rods for Preventing Corrosion of Tanks, Cast and Extruded Alloy Bars Forming Such Anode Rods, and Anode Supporting Fittings. The Cleveland Heater Company, Cleveland, Ohio.
Filed Oct. 16, 1947, Serial No. 537,985. Published Apr. 3, 1951. Class 21.

544,470. Meats and Meat Products—Namely, Hams, Bacons, Sausages, Frankfurters, Bolognas, Meat Loaves, and Lard. Gold Medal Packing Corporation, Utica, N. Y.
Filed Oct. 17, 1947, Serial No. 538,119. Published Mar. 13, 1951. Class 46.

544,471. Ladies', Misses', Children's, Infants', and Juniors' Sweaters; and Knitted Pantie Suits for Infants and Children. Spur Knitting Mills Inc., New York, N. Y.
Filed Nov. 25, 1947, Serial No. 542,361. Published Apr. 3, 1951. Class 39.

544,472. Hog Carcasses and Cuts Thereof; Bacon, Etc. Dubuque Packing Company, Dubuque, Iowa.
Filed Dec. 11, 1947, Serial No. 544,069. Published Jan. 30, 1951. Class 46.

544,473. Studs, Bolts, Screws, Tubes, Rods (Not Screw Threaded), Split Pins, Lugs, Cleats, Hooks, Nuts, and Rivets. Cyc-Arc Limited, London, England.
Filed Dec. 17, 1947, Serial No. 544,552. Published Apr. 10, 1951. Class 13.

544,474. Magazine Periodicals. Fisher-Price Toys, Inc., East Aurora, N. Y.
Filed Dec. 22, 1947, Serial No. 545,115. Published Mar. 27, 1951. Class 38.

544,475. Water Paint and Colors for Tinting in Paste Form and Water Paint in Dry Powder Form, Etc. The Muralo Company, Inc., New Brighton and Staten Island, N. Y.
Filed Jan. 6, 1948, Serial No. 546,314. Published Mar. 27, 1951. Class 16.

544,476. Splicers, Connectors, Couplings, and Clamps, Etc. Bulldog Electric Products Company, Detroit, Mich.
Filed Feb. 10, 1948, Serial No. 549,226. Published Apr. 10, 1951. Class 21.

544,477. Radiator Cement. Lorena Peterson, doing business as Peterson Sales Company, St. Louis, Mo.
Filed Feb. 12, 1948, Serial No. 549,574. Published Apr. 10, 1951. Class 6.

544,478. Sound Recording Tape for Magnetized Reproduction. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Mar. 3, 1948, Serial No. 551,126. Published Apr. 3, 1951. Class 21.

544,479. Glassware for Table, Culinary, Household, and Decorative Purposes, Etc. Imperial Glass Corporation, Bellaire, Ohio.
Filed Mar. 23, 1948, Serial No. 552,785. Published Apr. 10, 1951. Class 33.

544,480. Wheat Flour. The Colorado Milling & Elevator Co., doing business as The Crescent Flour Mills Co., Denver, Colo.
Filed Mar. 27, 1948, Serial No. 553,167. Published Feb. 6, 1951. Class 46.

544,481. Electric Generators Employed in Airborne Radar Equipment and Electric Motors Employed in Airborne Radar Equipment and Electric Motors of General Utility. Ampex Electric Corporation, San Carlos, Calif.
Filed Apr. 7, 1948, Serial No. 554,000. Published Oct. 4, 1949. Class 21.

544,482. Magnesium Rods to Prevent Corrosion of the Interior Walls of a Hot Water Tank by Electrolytic Action. Bastian Morley Co. Inc., La Porte, Ind.
Filed Apr. 14, 1948, Serial No. 554,585. Published Apr. 10, 1951. Class 21.

544,483. Electrical Household Appliances, Etc. Van der Heem N. V., The Hague, Netherlands.
Filed May 1, 1948, Serial No. 556,038. Published Apr. 10, 1951. Class 21.

544,484. Electric Coffee Grinders, Electric Food Stirring and Mixing Devices, Electric Lemon Squeezers. Van der Heem N. V., The Hague, Netherlands.
Filed May 1, 1948, Serial No. 556,039. Published Apr. 10, 1951. Class 21.

544,485. Electric Vacuum Cleaners, Electric Floor Polishers, Electric Fans, Electric Coffee Grinders, Electric Food Stirring and Mixing Devices, Electric Lemon Squeezers. Van der Heem N. V., The Hague, Netherlands.
Filed May 1, 1948, Serial No. 556,040. Published Apr. 10, 1951. Class 21.

544,486. Open-Type Flooring Made of Metal Such as Steel Grating and Treads. Gustav J. Bostrom, doing business as Supergrate Open Steel Flooring Co., Los Angeles, Calif.
Filed May 25, 1948, Serial No. 557,726. Published Jan. 23, 1951. Class 12.

544,487. Fresh Deciduous Fruits, Fresh Vegetables, Grapes, and Cantaloupes. The S. A. Gerrard Company, Cincinnati, Ohio.
Filed May 29, 1948, Serial No. 558,132. Published Apr. 10, 1951. Class 46.

544,488. Automobile Structural Parts and Accessories—Namely, Group A—Brake Shoe Sets, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed June 8, 1948, Serial No. 558,752. Published Apr. 3, 1951. Class 19.

544,489. Non-Electric Permanent Magnetic Separators for Separating Ferrous From Non-Ferrous Materials. Eries Manufacturing Company, Erie, Pa.
Filed June 22, 1948, Serial No. 559,913. Published June 27, 1950. Class 21.

544,490. Booklets, Pamphlets, Circulars, Educational Leaflets and Books, Picture Post Cards, Publicity Releases, and Printed Placards and Posters. The American Heritage Foundation, Washington, D. C., and New York, N. Y.
Filed June 24, 1948, Serial No. 560,083. Published Mar. 20, 1951. Class 38.

544,491. Lamp Shades for Electric Lamps. Egyptian Sales Co., Boston, Mass.
Filed July 3, 1948, Serial No. 560,687. Published Apr. 10, 1951. Class 21.

544,492. Men's Pajamas, Slacks, Trousers, and Outer Shirts and Under Shirts. Robert W. Hart, trading as Rohart, Arlington, Va.
Filed July 23, 1948, Serial No. 562,037. Published Feb. 14, 1950. Class 39.

544,493. Ham, Bacon, and Pork Shoulder Steaks. Kingan & Co. Incorporated, Indianapolis, Ind., sometimes doing business under the trading name of Albert E. Jordan, Richmond, Va.
Filed July 23, 1948, Serial No. 562,068. Published Apr. 10, 1951. Class 46.

544,494. Construction Materials—Namely, Copper Lined Sheet Material for Use on Floors, Walls, Ceilings, and Roofs of Buildings and at the Joints Therebetween, Etc. American Reenforced Paper Company, Attleboro, Mass.
Filed Apr. 2, 1948, Serial No. 563,987. Published Apr. 10, 1951. Class 12.

544,495. Convertible Nursery Seats, Used Both as an Auxiliary Toilet Seat and as an Auxiliary Automobile Seat for Infants. Frazee & Russell Co., Glastonbury, Conn.
Filed Aug. 31, 1948, Serial No. 564,445. Published Apr. 10, 1951. Class 13.

544,496. Rice. Rodriguez y Compañia, Habana, Cuba.
Filed Aug. 31, 1948, Serial No. 564,467. Published Jan. 2, 1951. Class 46.

544,497. Concentrated Apples for Use in Making Food Beverages and Concentrated Apples With Added Vitamins for Use in Making Food Beverages. Orpro Food Products Company, Inc., Los Angeles, Calif.
Filed Sept. 7, 1948, Serial No. 564,783. Published Apr. 3, 1951. Class 46.

544,498. Regular, Fast, and Trickle Storage Battery Chargers, Etc. Jordan Electrical Manufacturing Company, Minneapolis, Minn.
Filed Oct. 1, 1948, Serial No. 566,234. Published Apr. 10, 1951. Class 21.

544,499. Fluid Milk. B. R. Waldron & Sons Company, Califon, N. J.
Filed Oct. 2, 1948, Serial No. 566,372. Published Mar. 20, 1951. Class 46.

544,500. Jellied Cooked Beef, Ham, Bacon, Lard, and Bulk Sausage. Crocker Packing Company, Joplin, Mo.
Filed Oct. 6, 1948, Serial No. 566,503. Published Feb. 6, 1951. Class 46.

544,501. Canned Crab Meat. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif.
Filed Oct. 15, 1948, Serial No. 567,038. Published Apr. 3, 1951. Class 46.

544,502. Canned Fish. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif.
Filed Oct. 15, 1948, Serial No. 567,044. Published Apr. 3, 1951. Class 46.

544,503. Zinc Oxide for Use in Paints and in Ingredients Thereof. The New Jersey Zinc Company, New York, N. Y.
Filed Nov. 5, 1948, Serial No. 568,269. Published Mar. 27, 1951. Class 16.

544,504. Electric Soldering Irons, Electric Motors, Electric Hand Manipulable, Portable Grinders, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 14, 1948, Serial No. 570,517. Published Apr. 3, 1951. Class 21.

544,505. Puppets. The Muffin Syndicate, London, England.
Filed Dec. 23, 1948, Serial No. 571,102. Published Mar. 27, 1951. Class 22.

544,506. Chewing Gum. Gumakers of America, Inc., New York, N. Y.
Filed Dec. 31, 1948, Serial No. 571,428. Published Mar. 20, 1951. Class 46.

544,507. Chewing Gum. Gumakers of America, Inc., New York, N. Y.
Filed Dec. 31, 1948, Serial No. 571,429. Published Mar. 13, 1951. Class 46.

544,508. Beverage Dispensing Equipment Sold as a Unit—Namely, Soda Dispensing Faucet, Metal Pipe and Pipe Couplings, Low Pressure Valve Regulator, Metal Syrup Tank and Valves Therefor. Nehi Corporation, Columbus, Ga.
Filed Jan. 3, 1949, Serial No. 571,568. Published Apr. 10, 1951. Class 13.

544,509. Beverage Dispensing Equipment, Etc. Nehi Corporation, Columbus, Ga.
Filed Jan. 3, 1949, Serial No. 571,569. Published Apr. 10, 1951. Class 13.

544,510. Fresh Citrus Fruits. Strathmore Packing House Co., Strathmore, Calif.
Filed Jan. 24, 1949, Serial No. 572,700. Published Mar. 13, 1951. Class 46.

544,511. Fishing Tackle—Namely, Spinners. The Paul Bunyan Bait Company, Minneapolis, Minn.
Filed Mar. 4, 1949, Serial No. 574,890. Published Mar. 27, 1951. Class 22.

544,512. Fishing Tackle—Namely, Artificial Lures. The Paul Bunyan Bait Company, Minneapolis, Minn.
Filed Mar. 4, 1949, Serial No. 574,893. Published Mar. 27, 1951. Class 22.

544,513. Woven Fabrics by the Piece Composed of Wool Fibers. S. Stroock & Co. Inc., New York, N. Y.
Filed Mar. 23, 1949, Serial No. 575,944. Published Apr. 10, 1951. Class 42.

544,514. Ready-Mixed Paints, Paint-Enamels, Lacquers, Etc. H. M. Wocher & Son Company, Philadelphia, Pa.
Filed Apr. 4, 1949, Serial No. 576,604. Published Mar. 27, 1951. Class 16.

544,515. Original Writings or Short Poems in Manuscript. Ruth V. Bennett, New York, N. Y.
Filed Apr. 25, 1949, Serial No. 577,652. Published Mar. 27, 1951. Class 38.

544,516. Fabrics of Wool, Nylon, and Silk in the Piece. Wall Pine Export Inc., New York, N. Y.
Filed May 7, 1949, Serial No. 578,427. Published Apr. 10, 1951. Class 42.

544,517. Children's Feeding Device in the Nature of a Toy, Including a Bowl and the Figure of a Piggy Associated Therewith. David C. Trager, doing business as Topic Toys, Chicago, Ill.
Filed May 9, 1949, Serial No. 578,467. Published Mar. 27, 1951. Class 22.

544,518. Pretzels. William R. Edmondson, doing business as Billy's Butter Bretzels, Reading, Pa.
Filed May 12, 1949, Serial No. 578,682. Published Apr. 10, 1951. Class 46.

544,519. Electric Lamp Shades. Harvey Lamps, Inc., Brooklyn, N. Y.
Filed May 12, 1949, Serial No. 578,690. Published Apr. 3, 1951. Class 21.

544,520. Footballs, Basketballs, Soccer Balls, and Inflated Leather Balls. Thorp Sporting Goods, Inc., New York, N. Y.
Filed May 26, 1949, Serial No. 579,572. Published Mar. 27, 1951. Class 22.

544,521. Individually Packaged Sterile Applicators Employed To Apply Medicaments or Other Substances to Human or Animal Bodies. Stephan Van Boytham, Hollywood, Calif.
Filed May 31, 1949, Serial No. 579,732. Published Apr. 3, 1951. Class 44.

544,522. Reproductions of Well Logs (Electrical Recordation of Sub-Surface Structure in Well-Drilling Operations). Jack M. Riley, Shreveport, La.
Filed June 2, 1949, Serial No. 579,892. Published Apr. 10, 1951. Class 38.

544,523. Electrocardiograph. Cambridge Instrument Company, Inc., New York, N. Y.
Filed June 9, 1949, Serial No. 580,183. Published Apr. 3, 1951. Class 44.

544,524. Button Protector and/or Like Pad for Use in Laundering and Dry Cleaning Machines. Manitowoc Cotton Goods Mfg. Co., Manitowoc, Wis.
Filed June 23, 1949, Serial No. 580,935. Published Mar. 27, 1951. Class 24.

544,525. Cocktail Wafers or Crackers. Java Food Products, Inc., Jersey City, N. J.
Filed June 24, 1949, Serial No. 580,992. Published Apr. 3, 1951. Class 46.

544,526. Electric Lamps. Hollandia Toy & Furniture Co., Inc., Wilmington, Del., New York, N. Y., and Princess Anne, Md.
Filed July 6, 1949, Serial No. 581,557. Published Apr. 10, 1951. Class 21.

544,527. Metal Clothes Drying Racks. Union Steel Products Company, Albion, Mich.
Filed July 7, 1949, Serial No. 581,630. Published Mar. 27, 1951. Class 24.

544,528. Low Pressure Domestic Heating Boilers. The United Tool and Die Company, West Hartford, Conn.
Filed July 8, 1949, Serial No. 581,693. Published Apr. 10, 1951. Class 34.

544,529. Cheese. The Belleville Cheddar Cheese Ltd., Belleville, Ontario, Canada.
Filed July 21, 1949, Serial No. 582,265. Published Jan. 23, 1951. Class 46.

544,530. Polishing Wheels of Felt and Other Material. Julius Reinhers, doing business as Standard Liquidating Company, Brighton, Mass.
Filed Aug. 2, 1949, Serial No. 582,861. Published Apr. 10, 1951. Class 4.

544,531. Glasswashing Compound Primarily for Brush Machine Use. Economics Laboratory Inc., St. Paul, Minn.
Filed Aug. 18, 1949, Serial No. 583,643. Published Apr. 10, 1951. Class 52.

544,532. Fish Food the Principal Ingredients of Which Are Raw Animal Meat and Blood, Cereals, and Gelatin, in Frozen Condition. Processed Trout Foods, Inc., St. Ignatius, Mont.
Filed Aug. 20, 1949, Serial No. 583,774. Published Mar. 13, 1951. Class 46.

544,533. Dental, Medical, and Surgical Appliances Comprising Foot and Motor Pump Chairs, Etc. Ritter Company, Inc., Rochester, N. Y.
Filed Aug. 25, 1949, Serial No. 584,014. Published Apr. 3, 1951. Class 44.

544,534. Waterproof Marking Paints. Tri-Chem Corporation, Kearny, N. J.
Filed Sept. 7, 1949, Serial No. 584,558. Published Mar. 27, 1951. Class 16.

544,535. Portable Flashlight Lanterns. Justrite Manufacturing Company, Chicago, Ill.
Filed Sept. 29, 1949, Serial No. 585,533. Published Apr. 10, 1951. Class 21.

544,536. Sleds. The Kalamazoo Sled Company, Kalamazoo, Mich.
Filed Oct. 6, 1949, Serial No. 585,848. Published Mar. 27, 1951. Class 22.

544,537. Cooking and Barbecue Machines for Industrial Use. J. S. Francks, Fort Worth, Tex.
Filed Oct. 18, 1949, Serial No. 586,478. Published Apr. 10, 1951. Class 34.

544,538. Canned Vegetables—Namely, Canned Tomatoes. Harrison & Jarboe, Sherwood, Md.
Filed Oct. 29, 1949, Serial No. 587,027. Published Mar. 20, 1951. Class 46.

544,539. Canned Vegetables—Namely, Canned Tomatoes. Harrison & Jarboe, Sherwood, Md.
Filed Oct. 29, 1949, Serial No. 587,028. Published Mar. 20, 1951. Class 46.

544,540. Minnow Buckets, Fishing Rods, and Tackle Boxes. Wahl Products, Incorporated, Eau Claire, Wis.
Filed Oct. 31, 1949, Serial No. 587,097. Published Mar. 27, 1951. Class 22.

544,541. Protectors for Electric Circuits. McGraw Electric Company, Elgin, Ill., and St. Louis, Mo.
Filed Nov. 16, 1949, Serial No. 587,899. Published Apr. 3, 1951. Class 21.

544,542. Ladies' and Misses' Hosiery. Hess-Taylor Company, Inc., New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,949. Published Apr. 3, 1951. Class 39.

544,543. Protectors for Electric Circuits. McGraw Electric Company, Elgin, Ill., and St. Louis, Mo.
Filed Nov. 17, 1949, Serial No. 587,963. Published Apr. 3, 1951. Class 21.

544,544. Men's, Women's, Boys', Girls' and Infants' Sweaters, Dresses, and Jackets. Young Knitting Mills Co., Inc., Glendale, N. Y.
Filed Nov. 18, 1949, Serial No. 588,072. Published Apr. 3, 1951. Class 39.

544,545. Electrical Table and Wall Lamps. Hungerford Plastics Corporation, New Providence, N. J.
Filed Nov. 19, 1949, Serial No. 588,090. Published Apr. 10, 1951. Class 21.

544,546. Column of a Periodical or House Organ Published Periodically. Carrier Corporation, Syracuse, N. Y.
Filed Nov. 25, 1949, Serial No. 588,272. Published Apr. 10, 1951. Class 38.

544,547. Varnished and Unvarnished Cambric Tape and Sheets for Electrical Insulation. Electric Insulation Company, also known as Electric Insulation Co., Philadelphia, Pa.
Filed Nov. 28, 1949, Serial No. 588,429. Published Apr. 10, 1951. Class 21.

544,548. Electric Fans for Domestic and Commercial Use, Electric Heater Fans for Domestic Use, and Parts Thereof. The O. A. Sutton Corporation, Inc., Wichita, Kans.
Filed Dec. 2, 1949, Serial No. 588,714. Published Apr. 10, 1951. Class 21.

544,549. Cleaning Compound for General Household Use and for Personal Use in Cleaning the Hands, in a Jelly-Like or Paste Form. Harkness & Company, Wellsville, N. Y.
Filed Dec. 7, 1949, Serial No. 588,952. Published Apr. 10, 1951. Class 52.

544,550. Liquid Chemical Composition for Use as a Paint and Varnish Remover. Pierce & Stevens, Inc., Buffalo, N. Y.
Filed Dec. 13, 1949, Serial No. 589,273. Published Mar. 27, 1951. Class 16.

544,551. Gas, Oil, or Coal Hot Air Furnaces, Etc. Carrier Corporation, Syracuse, N. Y.
Filed Dec. 16, 1949, Serial No. 589,427. Published Apr. 10, 1951. Class 34.

544,552. Greeting Cards. Messenger Corporation, Auburn, Ind.
Filed Dec. 19, 1949, Serial No. 589,587. Published Mar. 27, 1951. Class 38.

544,553. Shades for Electric Lamps. Spun-Glo Products Co., Chicago, Ill.
Filed Dec. 19, 1949, Serial No. 589,601. Published Apr. 10, 1951. Class 21.

544,554. Shades for Electric Lamps. Rembrandt Lamp Corporation, Chicago, Ill.
Filed Jan. 3, 1950, Serial No. 590,283. Published Apr. 10, 1951. Class 21.

544,555. Hearing Aid Receiver Cords and Hearing Aid Receiver Cord Checkers, Consisting of Metal Boxes Containing Meters Showing the Amount of Electricity Flowing Through the Hearing Aid Receiver Cord. Hal-Hen Company, New York, N. Y.
Filed Jan. 5, 1950, Serial No. 590,363. Published Apr. 3, 1951. Class 44.

544,556. Pickled Trout. Charles L. Schalk, Ketchum, Idaho.
Filed Jan. 9, 1950, Serial No. 590,563. Published Mar. 13, 1951. Class 46.

544,557. Synthetic Rubber Compound for Use in Vehicle Tires and Particularly for Use in Tire Tread. The Dayton Rubber Company, Dayton, Ohio.
Filed Jan. 14, 1950, Serial No. 590,888. Published Apr. 3, 1951. Class 1.

544,558. Live Baby Chicks. Gibson Quality Hatcheries, Inc., Lexington, Mo.
Filed Jan. 16, 1950, Serial No. 590,933. Published Apr. 3, 1951. Class 1.

544,559. Dental Mirrors. Stanley F. Lundgren, doing business as Op-Pro, Inc., Minneapolis, Minn.
Filed Jan. 19, 1950, Serial No. 591,096. Published Apr. 3, 1951. Class 44.

544,560. Dentifrice in Stick Form. Tar-Gon Products, Inc., Chicago, Ill.
Filed Jan. 20, 1950, Serial No. 591,208. Published Feb. 20, 1951. Class 51.

544,561. Bath Oil. Parfums Charbert Inc., New York, N. Y.
Filed Feb. 1, 1950, Serial No. 591,796. Published Apr. 10, 1951. Class 51.

544,562. Prepared Advertising Sold as Such. James A. Bell, Jr., Atlanta, Ga.
Filed Feb. 9, 1950, Serial No. 592,185. Published Apr. 10, 1951. Class 38.

544,563. Weekly Periodical, and Prepared Advertising, Sold as Such. Clover Farm Stores Corporation, Cleveland, Ohio.
Filed Feb. 24, 1950, Serial No. 592,982. Published Mar. 20, 1951. Class 38.

544,564. Fresh Vegetables. South Bay Growers, Inc., South Bay, Fla.
Filed Feb. 24, 1950, Serial No. 593,022. Published Jan. 30, 1951. Class 46.

544,565. Marshmallows. Paul F. Beich Co., Bloomington, Ill.
Filed Feb. 28, 1950, Serial No. 593,158. Published Jan. 23, 1951. Class 46.

544,566. Canned Fruit Juices and Canned Grapefruit Sections. Peters Sales Company, Inc., Lake Alfred, Fla.
Filed Mar. 1, 1950, Serial No. 593,238. Published Jan. 23, 1951. Class 46.

544,567. Electrocardiographs. Electro-Physical Laboratories, Inc., Rye, N. Y.
Filed Mar. 2, 1950, Serial No. 593,268. Published Apr. 10, 1951. Class 44.

544,568. Microporous Storage Battery Separators and Retainers. The Electric Storage Battery Company, Philadelphia, Pa.
Filed Mar. 8, 1950, Serial No. 593,588. Published Apr. 10, 1951. Class 21.

544,569. Spices and Herbs, Etc. Samuel Kaltman, doing business under the name and style of Mutual Spice Co., North Bergen, N. J.
Filed Mar. 11, 1950, Serial No. 593,802. Published Mar. 13, 1951. Class 46.

544,570. Candy. E. J. Brach & Sons, Chicago, Ill.
Filed Mar. 15, 1950, Serial No. 593,968. Published Jan. 23, 1951. Class 46.

544,571. Artificial and Synthetic Compositions, Used in the Manufacture of Perfumery Materials; Etc. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 16, 1950, Serial No. 594,030. Published Apr. 10, 1951. Class 6.

544,572. Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials; Etc. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 16, 1950, Serial No. 594,033. Published Apr. 10, 1951. Class 6.

544,573. Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials; Etc. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 16, 1950, Serial No. 594,034. Published Apr. 10, 1951. Class 6.

544,574. Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials; Etc. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 16, 1950, Serial No. 594,035. Published Apr. 10, 1951. Class 6.

544,575. Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials; Etc. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 16, 1950, Serial No. 594,036. Published Apr. 10, 1951. Class 6.

544,576. Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials; Etc. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 16, 1950, Serial No. 594,037. Published Apr. 10, 1951. Class 6.

544,577. Invalid Folding Wheel Chairs. Gendron Wheel Company, Perrysburg, Ohio.
Filed Mar. 17, 1950, Serial No. 594,116. Published Apr. 3, 1951. Class 44.

544,578. Candy. Norris Inc., Atlanta, Ga.
Filed Mar. 17, 1950, Serial No. 594,141. Published Mar. 13, 1951. Class 46.

544,579. Chemical Preparations for Use in Brightening Zinc Surfaces. The Chemical Corporation, Springfield, Mass.
Filed Mar. 1, 1950, Serial No. 594,420. Published Apr. 10, 1951. Class 6.

544,580. Water Softener. Bu-Tay Products, Ltd., Los Angeles, Calif.
Filed Mar. 24, 1950, Serial No. 594,517. Published Apr. 10, 1951. Class 6.

544,581. Form Wound Coils for Electric Motors. Henry C. McCullough, doing business as VMC Coil Company, Atlanta, Ga., assignor to Carter Coil Company, Atlanta, Ga., a corporation of Georgia.
Filed Mar. 24, 1950, Serial No. 594,559. Published Apr. 10, 1951. Class 21.

544,582. Chemical Preparation To Prevent Silver From Tarnishing and Restoring Its Luster. Universal Western Chemical Corp., Chicago, Ill.
Filed Mar. 27, 1950, Serial No. 594,737. Published Apr. 10, 1951. Class 6.

544,583. Flux for Use in Manufacture of Steel. Bowflux Company, Warren, Ohio.
Filed Mar. 28, 1950, Serial No. 594,756. Published Apr. 10, 1951. Class 6.

544,584. Nitro-Cellulose Adhesives for Celluloid, for Wood, Etc. Imperial Chemical Industries Limited, London and Millbank, London, England.
Filed Mar. 28, 1950, Serial No. 594,777. Published Apr. 3, 1951. Class 5.

544,585. Ready-Mixed Gloss Paint. F. O. Pierce Company, Long Island City, N. Y.
Filed Apr. 1, 1950, Serial No. 595,090. Published Mar. 27, 1951. Class 16.

544,586. Otoscopes and Components Thereof. American Cystoscope Makers, Inc., New York, N. Y.
Filed Apr. 6, 1950, Serial No. 595,296. Published Apr. 3, 1951. Class 44.

544,587. Glassware — Namely, Tableware Comprising Plates, Platters, Etc. Rene Lalique et Cie S. R. L., Paris, France, and elsewhere.
Filed Apr. 11, 1950, Serial No. 595,559. Published Apr. 10, 1951. Class 33.

544,588. Agricultural Parasiticides. Stauffer Chemical Company, San Francisco, Calif.
Filed Apr. 13, 1950, Serial No. 595,687. Published Apr. 10, 1951. Class 6.

544,589. Table-Cloths, Napkins, Doilies, Place Mats, Table Scarfs, and Table Runners. Felix Tausend & Sons, New York, N. Y.
Filed Apr. 19, 1950, Serial No. 595,991. Published Apr. 10, 1951. Class 42.

544,590. Sliding Charts for Indicating the Date, Time, and Name of Radio and Television Programs, Issued Weekly. Crosley Broadcasting Corporation, Cincinnati, Ohio.
Filed Apr. 26, 1950, Serial No. 596,331. Published Apr. 3, 1951. Class 38.

544,591. Fire Extinguishing Liquid. International Fire Equipment Corporation, Staten Island, N. Y.
Filed Apr. 28, 1950, Serial No. 596,494. Published Apr. 10, 1951. Class 6.

544,592. Rust Inhibitors. American Chemical Paint Company, Ambler, Pa.
Filed May 2, 1950, Serial No. 596,699. Published Apr. 10, 1951. Class 6.

544,593. Rust Inhibitors. American Chemical Paint Company, Ambler, Pa.
Filed May 2, 1950, Serial No. 596,700. Published Apr. 10, 1951. Class 6.

544,594. Compound of Di Sodium Salt of Ethylene Diamine Tetra Acetic Acid, Etc. Bersworth Chemical Company, Framingham, Mass.
Filed May 2, 1950, Serial No. 596,708. Published Apr. 10, 1951. Class 6.

544,595. Repair Connectors for Broken Closet Float Valves. Richard H. Budde, trading as R. H. Budde Plumbing Co., Omaha, Nebr.
Filed May 5, 1950, Serial No. 596,897. Published Apr. 10, 1951. Class 13.

544,596. Electric Automotive, Radio, and Appliance Wires. American Electric Cable Co., Holyoke, Mass.
Filed May 6, 1950, Serial No. 596,969. Published Apr. 10, 1951. Class 21.

544,597. Kit Containing Tools, Supplies, and Instructions for Installing Tile Floors. David E. Kennedy, Inc., Brooklyn, N. Y.
Filed May 16, 1950, Serial No. 597,529. Published Apr. 10, 1951. Class 50.

544,598. Fishing Rod Blanks Manufactured From Fibrous Glass Cloth Impregnated With a Thermosetting Resin. Pacific Laminates, Costa Mesa, Calif.
Filed May 19, 1950, Serial No. 597,776. Published Mar. 27, 1951. Class 22.

544,599. Synthetic Rubber Emulsion Paints. National Chemical & Manufacturing Company, Chicago, Ill.
Filed May 23, 1950, Serial No. 597,972. Published Mar. 27, 1951. Class 16.

544,600. Kit for Use in Home Permanent Wave, Containing Home Permanent Wave Lotion, Neutralizer, Curlers, Instruction Sheets, and Other Articles for Use in Connection With the Wave. Commercial Laboratories, Inc., Newark, N. Y.
Filed May 26, 1950, Serial No. 598,161. Published Apr. 3, 1951. Class 44.

544,601. Paint in Paste or Semi-Paste Form. Seidlitz Paint & Varnish Company, Kansas City, Mo.
Filed May 29, 1950, Serial No. 598,326. Published Mar. 27, 1951. Class 16.

544,602. Latex Type of Mastic Adhesive Cement. Chicago Mastic Company, Chicago, Ill.
Filed May 31, 1950, Serial No. 598,353. Published Apr. 3, 1951. Class 5.

544,603. Section in a Periodical Publication Dealing With Packaging Problems in the Fields of Manufacture, Machinery, Equipment, Material, and Designs, and Published Monthly. Modern Packaging Corp., New York, N. Y.
Filed June 7, 1950, Serial No. 598,742. Published Apr. 10, 1951. Class 38.

544,604. Compound for Use in Cleaning Fabrics. Takamine Laboratory, Inc., Clifton, N. J.
Filed June 7, 1950, Serial No. 598,763. Published Apr. 3, 1951. Class 52.

544,605. Newspapers, Published at Least Weekly. The Afro-American Company of Baltimore City, Baltimore, Md.
Filed June 8, 1950, Serial No. 598,774. Published Apr. 10, 1951. Class 38.

544,606. Books Published Periodically. Thomas J. Mahon, trading as Thomas J. Mahon Company, New York, N. Y.
Filed June 10, 1950, Serial No. 598,917. Published Apr. 10, 1951. Class 38.

544,607. Liver Paste en Croûte. Helge Vagn Svendsen, Copenhagen, Denmark.
Right of priority is claimed under Sec. 44(*d*). Danish application S. N. 25—1950 dated Dec. 14, 1949. Reg. No. 25—1950 dated Jan. 7, 1950.
Filed June 14, 1950, Serial No. 599,130. Published Apr. 3, 1951. Class 46.

544,608. Electric Flatirons. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn.
Filed June 16, 1950, Serial No. 599,237. Published Apr. 10, 1951. Class 21.

544,609. Playing Cards. The United States Playing Card Company, Cincinnati, Ohio.
Filed June 17, 1950, Serial No. 599,350. Published Apr. 10, 1951. Class 22.

544,610. Playing Cards. The United States Playing Card Company, Cincinnati, Ohio.
Filed June 17, 1950, Serial No. 599,353. Published Apr. 10, 1951. Class 22.

544,611. Publication Published From Time to Time. Burnham Corporation, Irvington, N. Y.
Filed June 19, 1950, Serial No. 599,363. Published Mar. 27, 1951. Class 38.

544,612. Antennae and Parts Thereof. Thomas E. Fairbairn, doing business as Video Associates, Toledo, Ohio.
Filed June 20, 1950, Serial No. 599,426. Published Apr. 10, 1951. Class 21.

544,613. Oleomargarine, Vegetable Oil Shortening, and Cottonseed Oil for Salad and Cooking Purposes. Mrs. Tucker's Foods, Inc., Sherman, Tex.
Filed June 20, 1950, Serial No. 599,465. Published Apr. 3, 1951. Class 46.

544,614. Under Shorts for Men. Cluett, Peabody & Co., Inc., Troy, N. Y.
Filed June 21, 1950, Serial No. 599,497. Published Apr. 3, 1951. Class 39.

544,615. Roller Skates. D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y.
Filed June 22, 1950, Serial No. 599,565. Published Apr. 10, 1951. Class 22.

544,616. Storage Batteries. Reading Batteries, Inc., Reading, Pa.
Original filed, act of 1946, Supplemental Register, June 22, 1950; amended to application, Principal Register, Feb. 5, 1951, Serial No. 599,584. Published Apr. 10, 1951. Class 21.

544,617. Chemical Composition Added to a Dyeing Compound for Giving Hosiery a Duller Finish and Affording Resistance to Snags and the Like. The Roxborough Company, Philadelphia, Pa.
Filed June 22, 1950, Serial No. 599,591. Published Apr. 10, 1951. Class 6.

544,618. Chemical Composition Added to a Dyeing Compound for Giving Hosiery a Duller Finish and Affording Resistance to Snags and the Like. The Roxborough Company, Philadelphia, Pa.
Filed June 22, 1950, Serial No. 599,592. Published Apr. 10, 1951. Class 6.

544,619. Books. Bantam Books, Inc., New York, N. Y.
Filed June 23, 1950, Serial No. 599,608. Published Mar. 27, 1951. Class 38.

544,620. Advertising Supplement Appearing at Intervals in Periodical Publications. Marshall Field & Company, Chicago, Ill.
Filed June 23, 1950, Serial No. 599,629. Published Mar. 27, 1951. Class 38.

544,621. Electric Switches; Meter Troughs and Accessories Thereto, Etc. Federal Electric Products Company, Newark, N. J.
Filed June 24, 1950, Serial No. 599,701. Published Apr. 10, 1951. Class 21.

544,622. Aluminum Salts in Liquid and Solid Form. Monsanto Chemical Company, St. Louis, Mo.
Filed June 26, 1950, Serial No. 599,771. Published Apr. 10, 1951. Class 6.

544,623. Propane Gas. Rural Natural Gas Co., Cincinnati, Ohio.
Filed June 28, 1950, Serial No. 599,903. Published Apr. 10, 1951. Class 6.

544,624. Methanol Antifreeze. Albert S. Liebers, New York, N. Y.
Filed June 29, 1950, Serial No. 599,954. Published Apr. 10, 1951. Class 6.

544,625. Preparation for Removing Adhesive Tape. Patron Chemical Corporation, Los Angeles, Calif.
Filed June 29, 1950, Serial No. 599,970. Published Apr. 10, 1951. Class 6.

544,626. Plasticizer. Godfrey L. Cabot, Inc., Boston, Mass.
Filed June 30, 1950, Serial No. 600,029. Published Apr. 10, 1951. Class 6.

544,627. Columns, Features, and Articles Published Weekly in a News Publication. Leo H. Joachim, New York, N. Y.
Filed June 30, 1950, Serial No. 600,059. Published Mar. 27, 1951. Class 38.

544,628. Fatty Acid Amine Derivatives. Armour and Company, Chicago, Ill.
Filed July 1, 1950, Serial No. 600,113. Published Apr. 10, 1951. Class 6.

544,629. Acid/Alkali-Proof Coating. Service Industries, Philadelphia, Pa.
Filed July 5, 1950, Serial No. 600,229. Published Apr. 10, 1951. Class 6.

544,630. Electrical Display and Advertising Signs. McMath-Axilrod Corporation, Dallas, Tex.
Filed July 6, 1950, Serial No. 600,298. Published Apr. 10, 1951. Class 21.

544,631. Fishing Tackle, Particularly Artificial Fishing Lures. South Bend Bait Company, South Bend, Ind.
Filed July 8, 1950, Serial No. 600,399. Published Apr. 10, 1951. Class 22.

544,632. Dolls. Ideal Novelty & Toy Co., Hollis, N. Y., now by change of name Ideal Toy Corporation, a corporation of New York.
Filed July 11, 1950, Serial No. 600,489. Published Apr. 10, 1951. Class 22.

544,633. Oil Burning Space Heaters, Gas Burning Space Heaters, Etc. Motor Wheel Corporation, Lansing, Mich.
Filed July 19, 1950, Serial No. 600,904. Published Apr. 3, 1951. Class 34.

544,634. Electrically Operated Domestic Garbage Disposal Units. National Rubber Machinery Company, Akron, Ohio.
Filed July 19, 1950, Serial No. 600,906. Published Apr. 10, 1951. Class 21.

544,635. Boilers, Air Heating Furnaces, and Oil Burners. American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa.
Filed July 22, 1950, Serial No. 601,087. Published Mar. 27, 1951. Class 34.

544,636. Boilers, Air Heating Furnaces, and Oil Burners. American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa.
Filed July 22, 1950, Serial No. 601,088. Published Mar. 27, 1951. Class 34.

544,637. Electric Water Heaters. United States Radiator Corporation, Detroit, Mich.
Filed July 24, 1950, Serial No. 601,177. Published Apr. 10, 1951. Class 21.

544,638. Incinerators. Schwab Furnace Co., Milwaukee, Wis.
Filed July 27, 1950, Serial No. 601,337. Published Mar. 27, 1951. Class 34.

544,639. Cotton Piece Goods. Sea Island Mills, Incorporated, New York, N. Y.
Filed Aug. 8, 1950, Serial No. 601,949. Published Apr. 10, 1951. Class 42.

544,640. Television Receiving Sets. Scott Radio Laboratories, Inc., Chicago, Ill.
Filed Sept. 12, 1950, Serial No. 603,463. Published Apr. 3, 1951. Class 21.

544,641. Ironing Table Pads and Covers. Welmaid Products, Inc., Chicago, Ill.
Filed Dec. 18, 1950, Serial No. 607,834. Published Apr. 3, 1951. Class 24.

544,642. Clothespins. The Diamond Match Company, New York, N. Y.
Filed Jan. 18, 1951, Serial No. 608,923. Published Apr. 3, 1951. Class 24.

Service Marks

544,643. Entertainment Services in the Nature of Basketball Exhibitions. C. M. Olson, Cassville, Mo.
Filed Jan. 19, 1948, Serial No. 545,068. Published Apr. 3, 1951. Class 107.

544,644. Painting the Interior and Exterior of Buildings. Sumner S. Sollitt, doing business as Associated Painters and Decorators, Chicago, Ill.
Filed Apr. 16, 1948, Serial No. 554,821. Published Apr. 3, 1951. Class 103.

544,645. The Air Transport of Passengers and Freight. American Airlines, Inc., New York, N. Y.
Filed July 27, 1948, Serial No. 562,242. Published Apr. 3, 1951. Class 105.

544,646. Radio Program Broadcasting Services. Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Indianapolis, Ind.
Filed Sept. 17, 1948, Serial No. 565,395. Published Apr. 3, 1951. Class 104.

544,647. Advertising the Goods and Services of Others Through the Medium of Radio Program Broadcasting. Midwestern Broadcasting Company, Traverse City, Mich.
Filed Jan. 19, 1949, Serial No. 572,441. Published Apr. 3, 1951. Class 101.

544,648. Entertainment Services in the Nature of a Puppet Show Rendered in a Series of Television Programs. Carter Publications, Inc., Fort Worth, Tex.
Filed Oct. 12, 1949, Serial No. 586,137. Published Apr. 3, 1951. Class 107.

544,649. Transportation of Freight by Truck. Navajo Freight Lines, Inc., Los Angeles, Calif.
Filed May 20, 1950, Serial No. 597,837. Published Apr. 3, 1951. Class 105.

544,650. Dry Cleaning Services. Emery Industries, Inc., Cincinnati, Ohio.
Filed May 27, 1950, Serial No. 598,247. Published Apr. 10, 1951. Class 103.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

544,651. (Class 32. Furniture and Upholstery.) Clifton Manufacturing Company, Waco, Tex. Original filed, act of 1905, Mar. 1, 1946; amended to application under act of 1946, Principal Register, Feb. 11, 1948; amended to Supplemental Register, Jan. 4, 1951, Serial No. 497,456.



The drawing is lined for shading.
For Venetian Blinds.
Claims use since Dec. 1, 1938.

544,652. (Class 6. Chemicals and Chemical Compositions.) The Stop Rust Company, Chattanooga, Tenn. Original filed, act of 1905, Oct. 9, 1946; amended to application under act of 1946, Principal Register, Dec. 14, 1949; amended to Supplemental Register, May 5, 1951, Serial No. 510,548.



For Chemical Rustproofing Material.
Claims use since October 1933.

544,653. (Class 39. Clothing.) Phil Greinetz, doing business as Los Wigwam Weavers, Denver, Colo. Original filed, act of 1905, Apr. 9, 1947; amended to application under act of 1946, Supplemental Register, Sept. 7, 1950, Serial No. 520,389.

EL DENVER

For Neck-Ties.
Claims use since Jan. 2, 1947.

544,654. (Class 39. Clothing.) Sportowne Coat Co. Inc., New York, N. Y., assignor to Morris Metzger & Sons, Inc., New York, N. Y. Original filed, act of 1905, Apr. 17, 1947; amended to application under act of 1946, Principal Register, Aug. 7, 1947; amended to Supplemental Register, Apr. 27, 1951, Serial No. 520,909.



Applicant claims ownership of Registrations Nos. 390,957, 377,198 and 317,317.
For Ladies' and Misses' Detachable Coat Linings and Ladies' and Misses' Coats.
Claims use since Mar. 18, 1947.

544,655. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Kaye-Meyers Inc., New York, N. Y. Original filed, act of 1905, June 6, 1947; amended to application under act of 1946, Principal Register, Mar. 9, 1948; amended to Supplemental Register, Aug. 11, 1950, Serial No. 523,682.

TERRY-KEE-HOLD

Applicant claims ownership of Registration No. 402,655.
For Key Pouches, Key-Cases or Containers.
Claims use since Jan. 1, 1947.

544,656. (Class 46. Foods and Ingredients of Foods.) Sunl-Citrus Products Company, Haines City, Fla. Original filed, act of 1946, Principal Register, Aug. 7, 1947; amended to application, Supplemental Register, Jan. 9, 1950, Serial No. 530,783.

"They Moo for More"

For Dried Citrus Pulp for Use as a Cattle Food.
Claims use since September 1936.

544,657. (Class 39. Clothing.) Van Raalte Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 4, 1947; amended to application, Supplemental Register, Nov. 1, 1950, Serial No. 533,374.

BECAUSE YOU LOVE NICE THINGS

For Women's, Misses' and Children's Slips, Gloves, Hosiery, Nightgowns, Outer Shirts, and Underwear.
Claims use since Nov. 1, 1927.

544,658. (Class 39. Clothing.) Buscarlet Glove Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 26, 1947; amended to application, Supplemental Register, Aug. 21, 1950, Serial No. 542,254.



Applicant claims ownership of Registration No. 253,861.
For Leather Gloves.
Claims use since Nov. 1, 1925.

544,659. (Class 4. Abrasives and Polishing Materials.) The Fuller Brush Company, Hartford, Conn. Original filed, act of 1946, Principal Register. Feb. 6, 1948; amended to application, Supplemental Register, Dec. 15, 1950, Serial No. 548,955.



For All Purpose Cleaner, Chemically Treated Polishing Cloths, Denture Cleaner, Liquid Glass Cleaner, Metal Cleaner, Metal Polish, Silver Polish.
Claims use since February 1946.

544,660. (Class 28. Jewelry and Precious-Metal Ware.) J. Leonard Levere, doing business as Levere Company, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 5, 1948; amended to application, Supplemental Register, Aug. 29, 1949, Serial No. 551,285.

"IF IT IS A STONE, WE HAVE IT"

Applicant claims ownership of Registration No. 278,668.
For Precious, Synthetic, and Imitation Stones.
Claims use since February 1925.

544,661. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) American-National Bag & Burlap Co., Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Mar. 9, 1948; amended to application, Supplemental Register, Jan. 7, 1950, Serial No. 551,509.

RAP·ID·WRAP

For Burlap Bagging in the Piece and in the Bolt.
Claims use since Feb. 1, 1947.

544,662. (Class 39. Clothing.) Rice-Stix Dry Goods Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, Mar. 29, 1948; amended to application, Supplemental Register, Sept. 27, 1950, Serial No. 553,310.

RITE-SMART

For Children's and Infants' Shoes, Robes, Dresses, Slips, Bibs, Shirts for Outer Wear, Polo Shirts, Bonnets, Caps, Creepers, Panties, Gowns, Kimonos, Pajamas, Knit Sweaters, Diapers, Boys' Two-Piece Wash Suits, Sun Suits, Coat and Cap Sets, Knit Underwear, Overalls, Bib Type Overalls, Boxer Type Outer Shorts, Boxer Type Long Pants, Pedal Pushers, Skirts and Blouses, Christening Sets, Diaper Shirts and 3-Piece Knit Wool Matched Set of Sweater, Bootees and Cap.
Claims use since March 12, 1948.

544,663. (Class 39. Clothing.) Tailored Trend, Inc., New York, N. Y., assignor to Handmacher-Vogel, Inc., New York, N. Y., a corporation of New York. Original filed, act of 1946, Principal Register, Apr. 17, 1948; amended to application, Supplemental Register, Jan. 9, 1951, Serial No. 554,926.

crisp-cord

For Ladies' Suits.
Claims use since June 2, 1947.

544,664. (Class 46. Foods and Ingredients of Foods.) R. B. Davis Company, Hoboken, N. J. Original filed, act of 1946, Principal Register, Apr. 29, 1948; amended to application, Supplemental Register, Apr. 20, 1951, Serial No. 555,840.

Swel

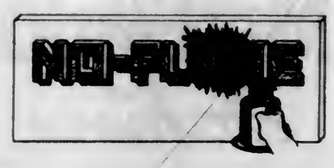
For Product Comprising the Ingredients Sugar, Cocoa, Oat Flour, Non-Fat Milk Solids, Starch, Dextrose, Salt, and Vanillin, for Making Fudge or Frosting, Chocolate Flavor.
Claims use since Mar. 2, 1948.

544,665. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Charles Doppelt & Company, Inc., Chicago, Ill., assignee of Charles Doppelt & Company. Original filed, act of 1946, Principal Register, Jan. 6, 1948; amended to application, Supplemental Register, Mar. 28, 1950, Serial No. 536,504.

DOPP-BILT

Applicant claims ownership of Registration No. 341,470.
For Toilet Cases, Brief Cases, Zipper Envelopes, Portfolios, Sample and Catalog Cases, Wallets, Identification Tag Holders, Physician's Bags, Traveling Bags, Combination Hand Luggage and Brief Bags and Hand Luggage—Namely, Suit Cases.
Claims use since June 3, 1947.

544,666. (Class 16. Paints and Painters' Materials.) No-Flame Chemical Corporation, Los Angeles, Calif. Original filed, act of 1946, Principal Register, June 1, 1948; amended to application, Supplemental Register, Aug. 16, 1949, Serial No. 558,237.



The representation of the flame from the torch in the drawing is lined for red.
For Paints for Both Exterior and Interior Purposes and for Floor, Wall, and Masonry Paints; Structural Steel Paint, Exterior and Interior Roof Paint and Exterior and Interior House Paint, Varnishes, Lacquers, Shingle Stain, and Paint Enamels.
Claims use since Oct. 8, 1947.

544,667. (Class 46. Foods and Ingredients of Foods.) Frigo Brothers Cheese Corporation, Iron Mountain, Mich., and Lena, Wis. Original filed, act of 1946, Principal Register, June 7, 1948; amended to application, Supplemental Register, Oct. 5, 1950, Serial No. 558,645.

SORRENTO SPECIAL

For Cheese.
Claims use since Mar. 6, 1948.

544,668. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Hall-Mack Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, June 15, 1948; amended to application, Supplemental Register, Dec. 16, 1949, Serial No. 563,047.

HALL-MACK

Applicant claims ownership of Registration No. 358,015.
For Wall Bathroom Accessories: Glass Shelves, Soap Holders, Tumbler Holders, Tumbler and Toothbrush Holders, Toothbrush Holders, Paper Holders, Razor Strop Hooks, Single and Double Robe Hooks, Towel Pins, Door Stops, Towel Hooks, Grab Bars, Towel Bars, Roller Towel Bars, Swing Bars, Sponge Holders, Soap and Grab Bar Combination, Recessed Toothbrush, Tumbler and Soap Holders.
Claims use since January 1934.

544,669. (Class 46. Foods and Ingredients of Foods.) Mrs. Clark's Foods, Incorporated, Des Moines, Iowa. Original filed, act of 1946, Principal Register, Aug. 30, 1948; amended to application, Supplemental Register, May 3, 1951, Serial No. 564,371.

Mrs Clark's
Famous

The drawing is lined for red and blue.
For Salad Dressing, French Dressing, Thousand Island Dressing, Italian Garlic French Dressing, Mayonnaise, Sandwich Spread, Peanut Butter.
Claims use since Oct. 13, 1927.

544,670. (Class 46. Foods and Ingredients of Foods.) Mrs. Clark's Foods, Incorporated, Des Moines, Iowa. Original filed, act of 1946, Principal Register, Aug. 30, 1948; amended to application, Supplemental Register, May 3, 1951, Serial No. 564,372.

Mrs Clark's
Famous

The lining represents the colors red and blue.
For Salad Dressing, French Dressing, Thousand Island Dressing, Italian Garlic French Dressing, Mayonnaise, Sandwich Spread, Peanut Butter.
Claims use since Aug. 15, 1947.

544,671. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Goldfarb Bros., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 30, 1948; amended to application, Supplemental Register, Feb. 27, 1951, Serial No. 566,131.

SCRUB FAST

For Cotton Fabrics.
Claims use since Aug. 5, 1948.

544,672. (Class 31. Filters and Refrigerators.) Bell & Gossett Company, Morton Grove, Ill. Original filed, act of 1946, Principal Register, Nov. 30, 1948; amended to application, Supplemental Register, Feb. 28, 1950, Serial No. 569,595.

COOL-AIREA

For Air Cooling Coils Formed of Hollow Pipe Through Which a Cooling Medium Passes.
Claims use since June 18, 1948.

544,673. (Class 51. Cosmetics and Toilet Preparations.) Botany Mills, Inc., Passaic, N. J. Filed Dec. 30, 1948, Serial No. 571,318.

SHEER FILM

For Powder for the Toilette—Namely, Bath, Face, and Baby Powders.
Claims use since June 21, 1946.

544,674. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Velveray Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 31, 1948; amended to application, Supplemental Register, Feb. 23, 1951, Serial No. 571,472.

FUSEFILM

Applicant claims ownership of Registrations Nos. 287,011 and 364,252.
For Decorated and Printed Plastic Films for Making Into Shower Curtains, Draperies, Furniture Covers, Raincoats, and the Like.
Claims use since Sept. 1, 1948.

544,675. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Abraham Boretz, doing business as Boretz Manufacturing Company, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 17, 1949; amended to application, Supplemental Register, Dec. 13, 1950, Serial No. 574,012.

BORETZ

For Men's Leather Luggage—Namely, One and Two Suiters, Gladstone Bags, Hand Luggage, Traveling Bags, and Zipper Bags.
Claims use since Feb. 1, 1947.

544,676. (Class 4. Abrasives and Polishing Materials.) Opti-Clens and Specialties Company, Atlanta, Ga. Original filed, act of 1946, Principal Register, Feb. 23, 1949; amended to application, Supplemental Register, Jan. 5, 1950, Serial No. 574,373.

SPEED-EASY

For Liquid Abrasive for Drilling Ophthalmic Lenses.
Claims use since Jan. 1, 1945.

544,677. (Class 32. Furniture and Upholstery.) Art Metal Construction Company, Jamestown, N. Y. Original filed, act of 1946, Principal Register, Mar. 5, 1949; amended to application, Supplemental Register, Sept. 11, 1950, Serial No. 574,946.

CORRECT SEATING

For Office Chairs.
Claims use since Feb. 25, 1949.

544,678. (Class 46. Foods and Ingredients of Foods.) A. Germano & Son, New York, N. Y. Filed May 6, 1949, Serial No. 578,328.



The representation of the woman is fanciful. Applicant claims ownership of Registration No. 189,416.
For Olive Oil.
Claims use since Mar. 1, 1923.

544,679. (Class 32. Furniture and Upholstery.) Robert C. Evans, doing business as Robert C. Evans Mfg., Monterey Park, Calif. Original filed, act of 1946, Principal Register, May 7, 1949; amended to application, Supplemental Register, May 15, 1950, Serial No. 578,382.

For The **Mr.** *It's Firmer* & *For The* **Mrs.** *It's Softer*

For Mattresses and Box Springs.
Claims use since Apr. 14, 1949.

544,680. (Class 46. Foods and Ingredients of Foods.) Minit Steak Co., Cleveland, Ohio. Original filed, act of 1946, Principal Register, May 27, 1949; amended to application, Supplemental Register, May 2, 1951, Serial No. 579,610.

MINIT BRANDS

The word "Brand" is disclaimed.
For Packaged Pork Link Sausage.
Claims use since October 1940.

544,681. (Class 39. Clothing.) Blue Bell, Inc., Greensboro, N. C. Original filed, act of 1946, Principal Register, May 28, 1949; amended to application, Supplemental Register, Apr. 17, 1951, Serial No. 579,658.

BLUE BELL
Jeanies

The pictorial representation of the girl is fanciful. Applicant claims ownership of Registrations Nos. 429,760 and 429,770.
For Ladies', Girls', and Kiddies' (Girls) Dungarees.
Claims use since Jan. 13, 1949.

544,682. (Class 46. Foods and Ingredients of Foods.) Mupu Citrus Association, also doing business as Mupu Citrus Assn., Santa Paula, Calif. Original filed, act of 1946, Principal Register, June 7, 1949; amended to application, Supplemental Register, Sept. 28, 1950, Serial No. 580,088.

BARGAIN

Applicant claims ownership of Registration No. 295,105.
For Fresh Citrus Fruits.
Claims use since 1922.

544,683. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Sears, Roebuck and Co., Chicago, Ill. Original filed, act of 1946, Principal Register, June 24, 1949; amended to application, Supplemental Register, Aug. 15, 1950, Serial No. 581,029.

NUFLOR

For Wool Face Hair Back Felt Carpets.
Claims use since Nov. 7, 1947.

544,684. (Class 27. Horological Instruments.) Wakmann Watch Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 16, 1949; amended to application, Supplemental Register, Oct. 4, 1950, Serial No. 582,113.

"FOR THE TIME OF YOUR LIFE"

For Watches, Watch Cases and Parts Thereof.
Claims use since March 1949.

544,685. (Class 32. Furniture and Upholstery.) Table Corporation of America, Cheltenham, Pa. Original filed act of 1946, Principal Register, July 20, 1949; amended to application, Supplemental Register, Apr. 20, 1951, Serial No. 582,253.

"CLASSIC MODERN"

For Tables—Namely, Television Tables, Radio Tables, Lamp Tables, End Tables, Cocktail Tables, and Telephone Tables; Desks; and Flower Stands.
Claims use since June 15, 1949.

544,686. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Coblentz Bag Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 31, 1949; amended to application, Supplemental Register, Oct. 9, 1950, Serial No. 584,265.

Kashmir

For Ladies' Handbags Made of Wool in Substantial Part.
Claims use since May 1949.

544,687. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Coblentz Bag Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 31, 1949; amended to application, Supplemental Register, Oct. 9, 1950, Serial No. 584,266.

Kashmiret

For Ladies' Handbags Made of Wool in Substantial Part.
Claims use since May 1949.

544,688. (Class 32. Furniture and Upholstery.) The Seng Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 1, 1949; amended to application, Supplemental Register, Apr. 12, 1951, Serial No. 584,350.

ROCK-or-LOCK

For Mechanism for Alternatively Securing a Platform Lounge Chair at Any of Several Predetermined Angles, or Releasing It for Use as a Platform Rocker.
Claims use since May 26, 1949.

544,689. (Class 21. Electrical Apparatus, Machines, and Supplies.) Metropolitan Electric Mfg. Co., Long Island City, N. Y. Original filed, act of 1946, Principal Register, Oct. 5, 1949; amended to application, Supplemental Register, Apr. 19, 1951, Serial No. 585,804.

La Ohm

For Safety Switches.
Claims use since Dec. 15, 1948.

544,690. (Class 12. Construction Materials.) Drummond & Company, Inc., Pikesville, Md. Original filed, act of 1946, Principal Register, Nov. 3, 1949; amended to application, Supplemental Register, Oct. 9, 1950, Serial No. 587,255.

HOL FIL

For Bituminous Product for Patching Roads and Driveways Comprising a Mixture of Aggregate and Asphalt and Other Materials.
Claims use since Nov. 2, 1948.

544,691. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Vogue-Tuft Corp., Dalton, Ga., and New York, N. Y. Filed Oct. 21, 1949, Serial No. 587,607.

VOGUE-TUFT

For Chenille Cotton Products—Namely, Bedspreads, Crib Spreads, Bath Mat Sets, Bath Mat Rugs.
Claims use since June 1, 1948.

544,692. (Class 39. Clothing.) Northmont Hosiery Corporation, Reading, Pa. Original filed, act of 1946, Principal Register, Nov. 29, 1949; amended to application, Supplemental Register, Feb. 14, 1951, Serial No. 588,510.

Exquisette
by Northmont

Applicant claims ownership of Registrations Nos. 234,761, 375,232, and 507,199.
For Hosiery for Women.
Claims use since Aug. 26, 1949.

544,693. (Class 39. Clothing.) Jacob V. Cohn, Detroit, Mich. Original filed, act of 1946, Principal Register, Dec. 10, 1949; amended to application, Supplemental Register, Mar. 20, 1951, Serial No. 589,150.

Color-Vogue

For Men's Suits, Topcoats, Overcoats, Sport Coats, Trousers, and Raincoats.
Claims use since Sept. 1, 1949.

544,694. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Rexbilt Leather Goods Corp., New York, N. Y. Filed Nov. 17, 1949, Serial No. 590,852.

Briefile

For Brief Cases, Overnight Cases, Suit Cases, Hand Bags, Portfolios, and Correspondence Cases, and Commuter Cases.
Claims use since Mar. 4, 1948.

544,695. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) Buxton, Incorporated, Springfield, Mass. Original filed, act of 1946, Principal Register, Mar. 4, 1950; amended to application, Supplemental Register, Mar. 21, 1951, Serial No. 593,394.

CONVERTIBLE

For Billfolds.
Claims use since Feb. 16, 1950.

544,696. (Class 16. Paints and Painters' Materials.) Sapolin Paints Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 13, 1950; amended to application, Supplemental Register, Mar. 7, 1951, Serial No. 593,892.

PARA-HUE

For Ready Mixed Paints for Interior Walls and Woodwork.
Claims use since Feb. 9, 1950.

544,697. (Class 32. Furniture and Upholstery.) Morris Furniture Mfg. Co., Inc., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Mar. 16, 1950; amended to application, Supplemental Register, Apr. 20, 1951, Serial No. 594,057.

Architectural
MODERN
by Morris
OF CALIFORNIA

For Bedroom Furniture—Namely, Beds, Vanities, Commodes, Dressers, Night Stands; Dining Room Furniture—Namely, Tables, Chairs, Buffets, China Cupboards; Tables; Desks; and Chairs.
Claims use since Jan. 28, 1946.

544,698. (Class 39. Clothing.) Wilbar's, Inc., Boston, Mass. Original filed, act of 1946, Principal Register, Mar. 31, 1950; amended to application, Supplemental Register, Apr. 18, 1951, Serial No. 595,023.

STRICTLY
FOR FUN

For Ladies' Shoes.
Claims use since Feb. 23, 1950.

544,699. (Class 39. Clothing.) The Florsheim Shoe Company, Chicago, Ill. Filed May 1, 1950, Serial No. 596,659.

FOR THE MAN WHO CARES

Applicant claims ownership of Registrations Nos. 202,751 and 240,767.
For Men's and Women's Cloth and Leather Boots and Shoes.
Claims use since 1902.

544,700. (Class 39. Clothing.) The Florsheim Shoe Company, Chicago, Ill. Filed May 1, 1950, Serial No. 596,660.

The Most Walked-About Shoes in America

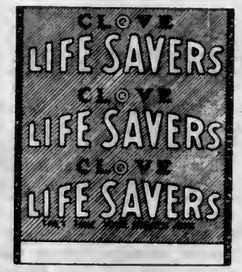
For Men's and Women's Cloth and Leather Boots and Shoes.
Claims use since 1936.

544,701. (Class 26. Measuring and Scientific Appliances.) James V. Serio, Dunkirk, N. Y. Original filed, act of 1946, Principal Register, June 21, 1950; amended to application, Supplemental Register, Dec. 14, 1950, Serial No. 599,536.

MAINE

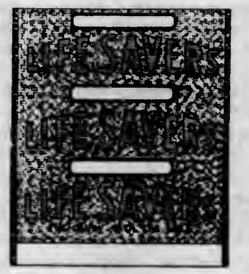
For Rifle Scope Sights.
Claims use since June 20, 1940.

544,702. (Class 46. Foods and Ingredients of Foods.) Life Savers Corporation, Port Chester, N. Y. Filed Oct. 11, 1950. Serial No. 604,727.



The drawing is lined for brown, yellow, and gold. Applicant claims ownership of Registrations Nos. 93,080, 115,895, and others.
For Candies.
Claims use since Mar. 22, 1945.

544,703. (Class 46. Foods and Ingredients of Foods.) Life Savers Corporation, Port Chester, N. Y. Filed Oct. 11, 1950, Serial No. 604,728.



The drawing is lined to indicate the colors blue, yellow, and gold. Applicant claims ownership of Registrations Nos. 93,080, 128,462, and others.
For Candies.
Claims use since Nov. 5, 1945.

544,704. (Class 13. Hardware and Plumbing, and Steam-Fitting Supplies.) Western Newell Mfg. Co., Freeport, Ill. Filed Dec. 4, 1950, Serial No. 607,274.

HOOKLOK

For Curtain Rods and Supporting Brackets Therefor.
Claims use since Nov. 16, 1949.

Service Mark

544,705. (Class 101. Advertising and Business.) Doris K. Sharp, Hollywood, Calif., and New York, N. Y. Filed Nov. 10, 1948, Serial No. 568,540.

Eastern Casting

For Theatrical Employment Agency Services—Namely, Casting and Selecting Appropriate Talent for Radio, Television, Screen, and Theatre Performances.
Claims use since August 1945.

TRADE-MARK REGISTRATIONS RENEWED

36,131. DUNCAN'S 32 CALIBRES. Registered Mar. 26, 1901. William D. Duncan. Re-renewed Mar. 26, 1951, to Jennie Duncan Peltier, doing business as Duncan's Drug Store, Ottawa, Ill. Internal Remedies for Headache, Neuralgia, Dyspepsia, la Grippe, and Pains. Class 18.

36,186. EXIDE ACCUMULATOR. Registered Apr. 2, 1901. The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey. Re-renewed Apr. 2, 1951. Secondary or Storage Batteries or Accumulators, Their Parts, and Accessories. Class 21.

36,687. "J. H. HAMLEN & SON" ETC. AND DRAWING. Registered July 2, 1901. James H. Hamlen & Son, Portland, Maine. Re-renewed July 2, 1951, to J. H. Hamlen & Son, Inc., Portland, Maine, and Little Rock, Ark., a corporation of Arkansas. Staves and Heads of Barrels, Casks, Hogsheads, or Other Vessels or Receptacles, Etc. Class 2.

77,730. "VICTORY" AND REPRESENTATION OF WREATH. Registered May 3, 1910. Henry Rossell & Co. Ltd. Re-renewed May 3, 1950, to Henry Rossell & Company Limited, Sheffield, England, a United Kingdom company. Twist, Mining, Rock-Boring, and Wood-Boring Drills, Etc. Class 23.

81,671. REPRESENTATION OF MEDALLION WITH PENDANT STREAMERS. Registered May 2, 1911. The Buckley-Newhall Company, New York, N. Y. Re-renewed May 2, 1951, to John Mullins & Sons, Inc., Brooklyn, N. Y., a corporation of New York. Chairs, Tables, Desks, Book-Cases, Etc. Class 32.

81,704. TARANTULLE. Registered May 2, 1911. Thomas A. Harris, New York, N. Y. Re-renewed May 2, 1951, to Tootal Broadhurst Lee Company Limited, Manchester, England, a limited liability company of Great Britain. Voiles. Class 42.

81,843. IOWA. Registered May 16, 1911. The American Steel & Wire Company of New Jersey, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J. Re-renewed May 16, 1951, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey. Woven-Wire Fence. Class 13.

82,195. PEPTONOIDS. Registered June 13, 1911. The Arlington Chemical Co. Re-renewed June 13, 1951, to The Arlington Chemical Company, Yonkers, N. Y., a corporation of New York. Extract of Predigested Beef, Milk, and Wheat. Class 46.

83,469. YAGER'S. Registered Sept. 19, 1911. Lloyd R. Benson, Hudson, N. Y. Re-renewed Sept. 19, 1951, to Alexander R. Benson Company, Inc., New Hartford, N. Y., a corporation of New York. Soldering Fluxes, in the Form of Sticks, Paste, and Fluid. Class 6.

83,503. HERO. Registered Sept. 19, 1911. Markt & Hammacher Company, New York, N. Y., a corporation of New Jersey. Re-renewed Sept. 19, 1951. Saws. Class 23.

83,537. "A B C BLUE STEEL" AND DRAWING. Registered Sept. 26, 1911. Alexander Bros. Company, Savannah, Ga., a corporation of Georgia. Re-renewed Sept. 26, 1951. Overalls. Class 39.

83,564. UNION. Registered Sept. 26, 1911. Eberhard Faber, New York, N. Y. Re-renewed Sept. 26, 1951, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York. Lead-Pencils and Rubber Erasers Class 37.

83,615. REPRESENTATION OF CONTAINER WITH BANDS OR STRIPES OF BLUE COLOR. Registered Sept. 26, 1911. Union Carbide Company, Chicago, Ill. Re-renewed Sept. 26, 1951, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Calcium Carbid. Class 6.

266,752. SECOMETER. Registered Feb. 4, 1930. Hamilton Watch Company, Lancaster, Pa., a corporation of Pennsylvania. Renewed Feb. 4, 1950. Watch Dials. Class 27.

273,095. "FIXOL" AND DRAWING. Registered July 22, 1930. Perfumeria Gal, S. A., Madrid, Spain, a corporation organized under the laws of Spain. Renewed July 22, 1950. Chemical Compound for Use on the Hair to Make is Straight and Glossy. Class 51.

277,217. FLYING CLOUD. Registered Nov. 11, 1930. Balfour Guthrie & Company. Renewed Nov. 11, 1950, to Balfour, Guthrie & Co., Limited, San Francisco, Calif., a corporation of Delaware. Canned Fruits, Canned Vegetables, Canned Fish, Dried Fruits, Fresh Citrus Fruits, Etc. Class 46.

278,163. SIZE-IT. Registered Dec. 9, 1930. Alabastine Company, Grand Rapids, Mich. Renewed Dec. 9, 1950, to Arnold A. Schwartz, Chicago, Ill. Painter's Size for Priming and Coating Walls and the Like. Class 16.

278,232. PATCH-IT. Registered Dec. 9, 1930. Alabastine Company, Grand Rapids, Mich. Renewed Dec. 9, 1950, to Arnold A. Schwartz, Chicago, Ill. Patching Plaster. Class 12.

278,233. COLOR-IT. Registered Dec. 9, 1930. Alabastine Company, Grand Rapids, Mich. Renewed Dec. 9, 1950, to Arnold A. Schwartz, Chicago, Ill. Coloring Material for Use in and Upon Plaster and Similar Products. Class 12.

278,589. GRANDMA'S LASSUP. Registered Dec. 23, 1930. The American Molasses Co. of New York. Renewed Dec. 23, 1950, to American Molasses Company, New York, N. Y., a corporation of New York. Molasses. Class 46.

278,770. SUPER-SWEET. Registered Dec. 30, 1930. L. Maxcy, Inc., Frostproof, Fla., a corporation of Florida. Renewed Dec. 30, 1950. Fresh Citrus Fruits—Namely, Oranges, Grapefruit, and Tangerines. Class 46.

279,055. ALABASTEX. Registered Jan. 6, 1931. Alabastine Company, Grand Rapids, Mich. Renewed Jan. 6, 1951, to Arnold A. Schwartz, Chicago, Ill. Base Made Up of a Dry Powder for a Plastic Wall Coating or Covering for Use on Interior Walls After Admixture With Water. Class 12.

279,079. RIDMICE. Registered Jan. 6, 1931. Hicks Laboratories, Inc. Renewed Jan. 6, 1951, to Frieda Prostick, New York, N. Y. Seed for the Extermination of Rodents. Class 6.

279,411. SUPER-SEAL. Registered Jan. 13, 1931. The Menasha Products Company, Chicago, Ill. Renewed Jan. 13, 1951, to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin. Waxed Paper. Class 37.

280,127. "TIGERWELD" AND REPRESENTATION OF PARALLEL LINES. Registered Feb. 10, 1931. The American Steel and Wire Company of New Jersey, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J. Renewed Feb. 10, 1951, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey. Rail Bonds, and Particularly Signal Bonds. Class 21.

281,138. REPRESENTATION OF CIRCLE WITH POINTED PROJECTIONS. Registered Mar. 10, 1931. The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware. Renewed Mar. 10, 1951. Pocket-Billiard Balls. Class 22.

281,537. PERCHLORON. Registered Mar. 24, 1931. I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Renewed Mar. 24, 1951, to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Soaps and Washing Powders Having Incidental Bleaching Properties. Class 52.

281,775. PEEK FREAN. Registered Mar. 31, 1931. Peek, Frean & Company Limited, London, England, a limited liability company organized under the laws of the United Kingdom. Renewed Mar. 31, 1951. Biscuits and Crackers. Class 46.

281,798. "HARVEY'S FINE OLD HUNTING PORT" ETC. AND DRAWING. Registered Mar. 31, 1931. John Harvey & Sons, Limited, Bristol, England, a limited liability company registered under the laws of Great Britain. Renewed Mar. 31, 1951. Port Wine. Class 47.

281,810. ORTHOL-K. Registered Mar. 31, 1931. California Spray Chemical Co., Berkeley, Calif. Renewed Mar. 31, 1951, to California Spray-Chemical Corporation, Richmond, Calif., a corporation of Delaware. Insecticides, Germicides, and Fungicides. Class 18.

281,827. "CUR-A-PED" AND DESIGN. Registered Mar. 31, 1931. Red-O-Lent Products Company, West Palm Beach, Fla., a corporation of Florida. Renewed Mar. 31, 1951. Cream for Relief of Foot Ailments and for First and Second Degree Burns. Class 18.

281,853. REPRESENTATION OF MEDALLION LINED FOR BLUE. Registered Mar. 31, 1931. The Buckley, Newhall Company, New York, N. Y. Renewed Mar. 31, 1951, to John Mullins & Sons, Inc., Brooklyn, N. Y., a corporation of New York. Crockery and Dishes of Porcelain and China. Class 30.

281,854. BLUE RIBBON. Registered Mar. 31, 1931. The Buckley, Newhall Company, New York, N. Y. Renewed Mar. 31, 1951, to John Mullins & Sons, Inc., Brooklyn, N. Y., a corporation of New York. Crockery and Dishes of Porcelain and China. Class 30.

281,939. CHI CHI. Registered Apr. 7, 1931. Kops Bros., Inc., New York, N. Y., a corporation of New York. Renewed Apr. 7, 1951. Corsets, Brassières, and Girdles and Combinations of Same. Class 39.

282,002. COLESCO. Registered Apr. 7, 1931. Cowles Detergent Company. Renewed Apr. 7, 1951, to Cowles Chemical Company, Cleveland, Ohio, a corporation of Ohio. Composite Detergent or Washing Powder for Use With Water for Washing Textiles. Class 52.

282,168. RODTITE. Registered Apr. 14, 1931. The Darcoid Company, Inc., New York, N. Y., a corporation of New York. Renewed Apr. 14, 1951. Packing for Engines, Machinery, Pumps, Etc. Class 35.

282,192. MODUSTAT. Registered Apr. 14, 1931. Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware. Renewed Apr. 14, 1951. Temperature-Controlled Valves. Class 26.

282,468. "EUCLID" AND DESIGN. Registered Apr. 21, 1931. The Euclid Crane & Hoist Company. Renewed Apr. 21, 1951, to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio. Mobile Earth-Moving Machinery—Namely, Trailer Wagons. Class 19.

282,730. RIEGEL'S GLEN TAG. Registered Apr. 28, 1931. Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y. Renewed Apr. 28, 1951, to Riegel Paper Corporation, New York, N. Y., a corporation of New Jersey. Sulphite Tag Paper. Class 37.

282,899. REPRESENTATION OF BOWLING PIN WITH RED BAND. Registered May 5, 1931. The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware. Renewed May 5, 1951. Bowling Pins. Class 22.

283,140. WELDOLET. Registered May 19, 1931. Bonney Forge and Tool Works, Allentown, Pa., a corporation of Pennsylvania. Renewed May 19, 1951. Welding Unions. Class 13.

283,770. "SMITH BROTHERS'" ETC. AND DRAWING. Registered June 9, 1931. Smith Brothers, Inc. Renewed June 9, 1951, to Smith Brothers, Inc., Poughkeepsie, N. Y., a corporation of Delaware. Couph Syrup. Class 18.

283,896. APCO-HUB. Registered June 9, 1931. Alabama Pipe Company, Anniston, Ala., a corporation of Alabama. Renewed June 9, 1951. Cast-Iron Soil Pipe. Class 13.

283,956. FROSTY MORNING. Registered June 9, 1931. Tom Huston Peanut Company, doing business as Tom Huston Frozen Foods, Inc., Columbus, Ga. Renewed June 9, 1951, to Tom Huston, Miami, Fla. Frozen Fruits. Class 46.

284,304. "AT EASE" AND DESIGN. Registered June 23, 1931. L. Bamberger & Co., Newark, N. J. Renewed June 23, 1951, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Men's Underwear (Shorts). Class 39.

284,306. ZOIL. Registered June 23, 1931. The Pennzoil Company, Los Angeles, Calif., a corporation of California. Renewed June 23, 1951. Lubricating Oils and Greases. Class 15.

284,354. BLUE MOUND. Registered June 23, 1931. Kellogg Seed Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 23, 1951. Seed—Namely, Lawn-Grass Seed. Class 1.

284,547. "DROMEDARY" AND DRAWING. Registered July 7, 1931. Charles M. De Land. Renewed July 7, 1951, to C. M. Deland, New York, N. Y., a firm. Woolen Piece Goods. Class 42.

284,624. "SOUTHERN BELLE" AND DRAWING. Registered July 7, 1931. Southern Pecan Shelling Co. Renewed July 7, 1951, to Southern Pecan Shelling Company, San Antonio, Tex., a corporation of Texas. Fresh, Candied, and Salted Pecans. Class 46.

284,685. "CAFE SANTAMARIA" ETC. AND DRAWING. Registered July 7, 1931. Rohrmoser, Esquivel & Co., San Jose, Costa Rica. Renewed July 7, 1951, to Costa Rican Coffee House, Inc., Chicago, Ill., a corporation of Illinois. Coffee. Class 46.

284,853. BLUE BONNET. Registered July 7, 1931. The American Steel and Wire Company of New Jersey, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J. Renewed July 7, 1951, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey. Bale Ties, and Particularly Single-Loop Bale Ties. Class 13.

285,397. ACCOWAY. Registered July 28, 1931. Acco Products, Inc., Long Island City, N. Y. Renewed July 28, 1951, to Acco Products, Inc., Ogdensburg, N. Y., a corporation of New York. Filing Device Consisting of a Horizontal Supporting Arm With Fastening Means for Holding Drawings, Etc. Class 32.

285,433. KRESTON. Registered July 28, 1931. Kresge Department Store Corporation. Renewed July 28, 1951, to Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey. Men's Clothing—Namely, Dress, Negligee, and Work Shirts, Neckties, Etc. Class 39.

285,462. THREDOLET. Registered July 28, 1931. Bonney Forge and Tool Works, Allentown, Pa., a corporation of Pennsylvania. Renewed July 28, 1951. Unions for Welded and Threaded Connections. Class 13.

285,540. "IVINS" ETC. AND DRAWING. Registered July 28, 1931. J. S. Ivins' Son, Inc., Philadelphia, Pa. Renewed July 28, 1951, to Carr-Consolidated Biscuit Company, Wilkes-Barre, Pa., a corporation of Illinois. Cookies, Cakes, and Crackers. Class 46.

285,544. PABCO. Registered July 28, 1931. The Paraffine Companies, Inc. Renewed July 28, 1951, to Pabco Products Inc., San Francisco, Calif., a corporation of Delaware. Paint Brushes. Class 29.

285,724. REPRESENTATION OF GREEK LETTERS (PHI LAMBDA UPSILON). Registered Aug. 4, 1931. Phi Lambda Upsilon, Tucson, Ariz. Renewed Aug. 4, 1951, to Phi Lambda Upsilon, New York, N. Y., a corporation of Illinois. Keys and Badges, All Made or Plated With Precious Metal. Class 28.

285,901. "STEIN BLOCH" ETC. AND DESIGN. Registered Aug. 11, 1931. Fashion Park Associates, Inc. Renewed Aug. 11, 1951, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. Sweaters, Hats, Caps, Neckties, Etc. Class 39.

285,912. "SENECA CLUB" ETC. AND DRAWING. Registered Aug. 11, 1931. Seneca Food Products Corporation, Utica, N. Y., a corporation of New York. Renewed Aug. 11, 1951. Malt Syrup. Class 46.

285,997. AUTOMATCHER. Registered Aug. 11, 1931. Sewall Paint & Varnish Company, Kansas City, Mo. Renewed Aug. 11, 1951, to American-Marietta Company, Chicago, Ill., a corporation of Illinois. Color Mixing Apparatus Comprising Pedestal, Top for Pedestal, Measuring Graduates, Etc. Class 26.

286,284. PARGORA. Registered Aug. 25, 1931. Fashion Park Associates, Inc. Renewed Aug. 25, 1951, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. Coats, Vests, Pants, and Overcoats for Men and Boys. Class 39.

286,552. SERVISPUN. Registered Sept. 1, 1931. Fashion Park Associates, Inc. Renewed Sept. 1, 1951, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. Coats, Vests, Pants, and Overcoats for Men and Boys. Class 39.

286,562. FLEETWAY. Registered Sept. 1, 1931. The Morgan Company. Renewed Sept. 1, 1951, to Hockaday, Inc., Chicago, Ill., a corporation of Illinois. Industrial Paint Enamels. Class 16.

286,563. METALEX. Registered Sept. 1, 1931. The Morgan Company. Renewed Sept. 1, 1951, to Hockaday, Inc., Chicago, Ill., a corporation of Illinois. Protective Ready Mixed Paints. Class 16.

286,781. THERMOMATON. Registered Sept. 1, 1931. Jabez Burns & Sons, Inc., New York, N. Y., a corporation of New York. Renewed Sept. 1, 1951. Temperature Indicating Devices for Roasting Machines. Class 26.

286,842. "ALPINE DOWNS" AND DRAWING. Registered Sept. 8, 1931. Fashion Park Associates, Inc. Renewed Sept. 8, 1951, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. Coats, Vests, Pants, and Overcoats for Men and Boys. Class 39.

286,859. TERRY TEX. Registered Sept. 8, 1931. Thomas F. Byrne Corporation, Phoenixville, Pa., a corporation of Pennsylvania. Renewed Sept. 8, 1951. Textile Wash Cloths. Class 42.

287,075. MARVEL WHIRLING FOUNTAIN. Registered Sept. 15, 1931. The Marvel Company, New Haven, Conn., a corporation of Connecticut. Renewed Sept. 15, 1951. Fountain and Douche Syringes. Class 44.

287,088. TWISTONE. Registered Sept. 15, 1931. Terhune, Yearance & Wolff, Inc., New York, N. Y. Renewed Sept. 15, 1951, to Virginia Woolen Company, Winchester, Va., a corporation of Virginia. Woolen Fabrics in the Piece. Class 42.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

539,452. "WE NEVER SLEEP" AND DESIGN. Registered Mar. 13, 1951. Pinkerton's National Detective Agency, Inc., New York, N. Y. Private Detective Investigations and Property Surveillance. Class 100. Corrected as follows: In the certificate, line 3, second occurrence; and in the statement, line 3, "New York" should be *Delaware*.

541,879. KINGSTON. Registered May 1, 1951. Alex Morguloff, doing business as Hub Appliance Stores, Detroit, Mich. Electric Domestic Vacuum Cleaners. Class 21. Corrected as follows: In the certificate, lines 2 and 3, and line 13, for "Hub Appliance Stoves" read *Hub Appliance Stores*.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 5

ADHESIVES

Reg. No. 282,219. Registered Apr. 14, 1931. A. Wilme Collier, Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant.

DEX

For Adhesive Paste and Mucilage.
Claims use since January 1909.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 315,685. Registered Aug. 7, 1934. Sandoz Chemical Works, Inc., New York N. Y., a corporation of New York. Republished by registrant.

SANDOZ

For Synthetic and Natural Dyestuffs; Chemicals and Oils Adapted for Dyeing, Printing, Bleaching, Finishing, and Otherwise Treating Textile Fabrics and Fibres, Leather, Paper, Foodstuffs; Emulsifiers for Oils and Fats, Medicinal Garlic Preparations, Ergot Preparations, Hypnotics, Analgesics, Sedatives, Cardiodiuretic Preparations, Anesthetics, Medicinal Calcium Preparations, Medicinal

Belladonna Preparations; Medicinal Preparations Adapted for the Treatment of Flatulence, Diarrhea, Symptoms of Distress in Arteriosclerosis, Convulsions, Spasms, Pain, Tetany, Dermatoses, Hemorrhage, Acute and Chronic Infections, Hepatobiliary Disturbances, Postpartum Atony and Hemorrhage in Childbirth, Milk Fever in Cattle; Medicinal Preparations Adapted for the Treatment of Pregnancy, and Medicinal Preparations Adapted for the Treatment of Toxemias in Animals.
Claims use since about 1894.

Reg. No. 395,097. Registered May 12, 1942. Charlotte Chemical Laboratories, Inc., Charlotte, N. C., a corporation of North Carolina. Republished by registrant.

CHARLAB

For Organic Amine Compound Such as Higher Fatty Acid Alkylolamine Condensates, Which Are Useful as Textile Softening and Cleansing Agents.
Claims use since Apr. 10, 1941.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 81,531. Registered Apr. 18, 1911. The Imperial Tobacco Company (of Great Britain and Ireland), Limited, Bristol, England. Republished by The Civic Company, Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland.

CIVIC

For Tobacco-Pipes, Cigar and Cigarette Holders.
Claims use since July 2, 1907.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 284,006. Registered June 9, 1931. The Popsicle Corporation of the United States, New York, N. Y. Republished by Joe Lowe Corporation, New York, N. Y., a corporation of Delaware.

Popsicle

For Sticks or Handles for Suckers.
Claims use since May 28, 1923.

Reg. No. 422,909. Registered Aug. 20, 1946. Harold Warp, doing business as Flex-O-Glass Manufacturing Co. and as Warp Brothers, Chicago, Ill. Republished by Flex-O-Glass, Inc., Chicago, Ill., a corporation of Illinois.

ELASTISCREEN

For Woven, Reticular, Mesh Netting and Screening Composed of Filaments of Natural and Artificial Resins and Plastics and Sold in Rolls.
Claims use since Jan. 11, 1943.

CLASS 15

OILS AND GREASES

Reg. No. 249,592. Registered Nov. 20, 1928. Macmillan Petroleum Products Company, Los Angeles, Calif. Republished by Macmillan Petroleum Corporation, Los Angeles, Calif., a corporation of Delaware.

MACMILLAN GASOLINE

The words "More Mileage" and "Gasoline" are disclaimed apart from the mark as shown.
For Kerosene, Gasoline, Naptha, Motor-Lubricating Oil, Fuel Oil, Lubricating Grease.
Claims use since January 1925.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 283,341. Registered May 26, 1931. Bendiner & Schlesinger, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

MENODYNE

For Preparation for the Relief of Menstrual Pain and Discomfort.
Claims use since Dec. 10, 1930.

Reg. No. 315,685. Registered Aug. 7, 1934. Sandoz Chemical Works, Inc., New York N. Y., a corporation of New York. Republished by registrant.

SANDOZ

For Synthetic and Natural Dyestuffs; Chemicals and Oils Adapted for Dyeing, Printing, Bleaching, Finishing, and Otherwise Treating Textile Fabrics and Fibres, Leather, Paper, Foodstuffs; Emulsifiers for Oils and Fats, Medicinal Garlic Preparations, Ergot Preparations, Hypnotics, Analgesics, Sedatives, Cardiodiuretic Preparations, Anesthetics, Medicinal Calcium Preparations, Medicinal Belladonna Preparations; Medicinal Preparations Adapted for the Treatment of Flatulence, Diarrhea, Symptoms of Distress in Arteriosclerosis, Convulsions, Spasms, Pain, Tetany, Dermatoses, Hemorrhage, Acute and Chronic Infections, Hepatobiliary Disturbances, Postpartum Atony and Hemorrhage in Childbirth, Milk Fever in Cattle; Medicinal Preparations Adapted for the Treatment of Pregnancy, and Medicinal Preparations Adapted for the Treatment of Toxemias in Animals.
Claims use since about 1894.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 200,831. Registered July 14, 1925. T. B. Wood's Sons Company, Chambersburg, Pa., a corporation of Pennsylvania. Republished by registrant.

U.G.

For Power-Transmission Appliances, That Is, Bearings, Base Plates, Belt-Shifting Appliances, Belt-Tighteners, Binder Frames, Brackets, Bracket Hangers, Bushings, Clamps, Countershafts, Couplings, Flat Boxes, Floor Stands, Friction Clutches, Guide Pulleys, Hangers, Journal Boxes, Jaw Clutches, Mule-Pulley Stands, Oil Cups, Pillow Blocks, Post Boxes, Pulleys, Quill Drives, Rope Transmission, Set Collars, Shafting, Shifters, Sleeves for Fire Walls, Tension Carriages, Wall Brackets, Wall Frames, Yokes and Fulcrums, and Automatic Belt Adjusters for Short-Center Belt Drives.
Claims use since Mar. 30, 1903.

Reg. No. 211,693. Registered Apr. 20, 1926. T. B. Wood's Sons Company, Chambersburg, Pa., a corporation of Pennsylvania. Republished by registrant.

UNIVERSAL GIANT L

For Power Transmission Appliances, That Is, Bearings, Base Plates, Belt-Shifting Appliances, Belt Tighteners, Binder Frames, Brackets, Bracket Hangers, Bushing, Clamps, Countershafts, Couplings, Flat Boxes, Floor Stands, Clutches, Guide Pulleys, Hangers, Journal Boxes, Jaw Clutches, Mule-Pulley Stands, Oil Cups, Pillow Blocks, Post Boxes, Pulleys, Quill Drives, Rope Transmission, Set Collars, Shafting, Shifters, Sleeves for Fire Walls, Tension Carriages, Wall Brackets, Wall Frames, Yokes and Fulcrums, and Automatic Belt Contactors for Short-Center Belt Drives.
Claims use since Mar. 30, 1903.

Reg. No. 345,825. Registered May 11, 1937. Balkamp Manufacturing Corporation, Indianapolis, Ind. Republished by Balkamp, Inc., Indianapolis, Ind., a corporation of Indiana.

BALKAMP

For Cylinder Heads, Manifolds, Axle Shafts, Clutches, Clutch Housings, Clutch Plates, Differential Gears, Transmissions, Transmission Cases, Transmission Gears, Transmission Shafts, Universal Joints, Fuel Pumps, Pistons, Piston Pins.
Claims use since Mar. 15, 1936.

Reg. No. 397,446. Registered Sept. 8, 1942. Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CHASE

For Bronze and Brass Bushings, Copper Hammer Heads, Copper Soldering Tools, Bronze Boat Shafting, and Hack Saw Blades.
Claims use since Jan. 24, 1930.

CLASS 39

CLOTHING

Reg. No. 177,554. Registered Dec. 18, 1923. Morris W. Haft & Bros. Inc., New York, N. Y. Republished by Jaunty Juniors, Inc., New York, N. Y., a corporation of New York.

JAUNTY JUNIORS

For Ladies' Outer Garments—Viz., Coats, Dresses, Skirts, Cloaks, and Suits in Two-Piece Garments.
Claims use since June 1, 1923.

Reg. No. 425,726. Registered Dec. 3, 1946. Morris W. Haft & Brothers Inc., New York, N. Y. Republished by Jaunty Juniors, Inc., New York, N. Y., a corporation of New York.

JAUNTEEN

For Ladies' and Misses' Coats, Suits, Jackets, Skirts, and Coat nnd Suit Ensembles.
Claims use since Mar. 28, 1939.

Reg. No. 428,166. Registered Mar. 11, 1947. Carwood Manufacturing Company, Winder, Ga., a corporation of Georgia. Republished by registrant.

DEMANDER

For Men's and Boys' Work Pants, Work Shirts, Overalls, Lined Coats, Sportswear—Namely, Slacks, Knickers, Shirts, and Jackets; and Industrial Uniforms—Namely, Shirts and Pants to Match.
Claims use since January 1937.

Reg. No. 440,687. Registered Sept. 21, 1948. Carwood Manufacturing Company, Winder, Ga., a corporation of Georgia. Republished by registrant.

SAMSON

For Men's and Boys' Overalls.
Claims use since September 1935.

Reg. No. 440,916. Registered Oct. 12, 1948. Carwood Manufacturing Company, Winder, Ga., a corporation of Georgia. Republished by registrant.

StyleChief

For Sportswear—Namely, Men's and Boys' Slacks, Knickers, Shirts, Jackets, and Breeches, Including Hunting Breeches and Hunting Coats.
Claims use since January 1940.

CLASS 42

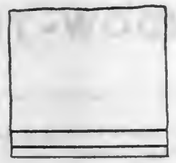
KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 206,256. Registered Nov. 24, 1925. Flex-O-Glass Manufacturing Company, Chicago, Ill. Republished by Flex-O-Glass, Inc., Chicago, Ill., a corporation of Illinois.

Flex-O-Glass

For Transparent, Waterproof Oiled Cloth for Covering Tents, Porches, Storm Doors, Windows, Hotbeds, or the Like.
Claims use since July 1, 1922.

Reg. No. 378,101. Registered May 28, 1940. Harold Warp, doing business as Flex-O-Glass Manufacturing Company, Chicago, Ill. Republished by Flex-O-Glass, Inc., Chicago, Ill., a corporation of Illinois.



The trade-mark consists of two adjacent parallel lines of a blue color applied along an edge of the fabric material. The illustration of the goods forms no part of the mark.
For Transparent, Waterproof Cloth for Covering Tents, Storm Doors, Windows, Doors, Hotbeds, and the Like.
Claims use since Sept. 1, 1926.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 81,503. Registered Apr. 18, 1911. Cerebos Limited, Greatham, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant, present address London, England.

BISTO

For Preparation for Thickening and Seasoning Gravy, Soup, and Stews.
Claims use since Oct. 1, 1909.

Reg. No. 81,782. Registered May 9, 1911. Cerebos Limited, Greatham, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant, present address London, England.

BISTO

For Food-Coloring Preparation.
Claims use since Oct. 1, 1909.

Reg. No. 102,030. Registered Jan. 26, 1915. Chr. Bjelland & Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.



For Canned Sardines.
Claims use since the year 1890.

Reg. No. 239,151. Registered Feb. 21, 1928. M. A. Rex, Los Angeles, Calif. Republished by registrant.



The words "Sardines" and "Tomato Sardines" are disclaimed apart from the mark as shown.
For Canned Sardines (Fish).
Claims use since about Dec. 1, 1925.

Reg. No. 242,599. Registered May 29, 1928. Geo. L. Dinjian, Fresno, Calif. Republished by T. M. Parks, Lompoc, Calif.

High Hat

For Lemons, Grapefruit; Fresh Fruits—Namely, Grapes, Apples, Oranges; Fresh Vegetables—Namely, Lettuce, Tomatoes; Melons—Namely, Cantaloupes.
Claims use since August 1926.

Reg. No. 244,005. Registered July 3, 1928. Cron & Dehn, Inc., Seattle, Wash. Republished by Dehn & Co., Inc., Seattle, Wash., a corporation of Washington.

Referee

For Fresh Fruit—Namely, Apples; Dried Fruit, Canned Fish, Canned Fruit, and Vegetables.
Claims use since October 1921.

Reg. No. 247,968. Registered Oct. 9, 1928. Emery & Kavanagh Co., Los Angeles, Calif. Republished by Jones & Kavanagh Co., Ltd., Los Angeles, Calif., a co-partnership.

EKCO "THE BRAND THAT REPEATS"

For Fresh Vegetables—Namely, Lettuce, Tomatoes, Cauliflower, and Sweet Potatoes; Fresh Melons—Namely, Cantaloupes.
Claims use since Sept. 1, 1926.

Reg. No. 336,694. Registered July 14, 1936. Chr. Bjelland & Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.



For Meat Products—Namely, Liver Paste.
Claims use since Nov. 25, 1935.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 293,427. Registered Apr. 19, 1932. Glencoe Distillery Co., Louisville, Ky. Republished by Glencoe Distilling Company, Chicago, Ill., a corporation of Delaware.

GLENCOE

For Whiskey.
Claims use since July 1883.

Reg. No. 372,399. Registered Oct. 31, 1939. James M. McCunn, doing business as James M. McCunn and Company, New York, N. Y. Republished by James M. McCunn & Co., Inc., New York, N. Y., a corporation of New York.



The drawing is lined for the colors red and gold.
For Whiskey.
Claims use since 1894.

Reg. No. 374,215. Registered Jan. 2, 1940. James M. McCunn, doing business as James M. McCunn & Co., New York, N. Y. Republished by James M. McCunn & Co., Inc., New York, N. Y., a corporation of New York.



The word "Ron" is disclaimed apart from the mark as shown.
For Puerto Rican Rum.
Claims use since Aug. 3, 1939.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 206,256. Registered Nov. 24, 1925. Flex-O-Glass Manufacturing Company, Chicago, Ill. Republished by Flex-O-Glass, Inc., Chicago, Ill., a corporation of Illinois.

Flex-O-Glass

For Transparent, Waterproof Oiled Cloth for Covering Tents, Porches, Storm Doors, Windows, Hotbeds, or the Like.
Claims use since July 1, 1922.

Reg. No. 356,394. Registered Apr. 26, 1938. Harold Warp, doing business as Warp Brothers, Chicago, Ill. Republished by Flex-O-Glass, Inc., Chicago, Ill., a corporation of Illinois.

WINDOW-TEX

The word "Window" is disclaimed apart from the mark as shown.
For Impregnated Fabric Used as a Substitute for Windows, and for Weatherproofing.
Claims use since 1932.

Reg. No. 398,758. Registered Nov. 24, 1942. Harold Warp, doing business as Flex-O-Glass Manufacturing Co. and as Warp Brothers, Chicago, Ill. Republished by Flex-O-Glass, Inc., Chicago, Ill., a corporation of Illinois.

GLASS-O-NET

The word "Net" is disclaimed apart from the mark as shown.
For Transparent and Transclucent Sheet Materials of Natural and Artificial Resins and Plastics Used as Substitutes for Glass Panes in Light Admitting Openings, and for Other Purposes.
Claims use since April 1940.

Reg. No. 398,759. Registered Nov. 24, 1942. Harold Warp, doing business as Flex-O-Glass Manufacturing Co. and as Warp Brothers, Chicago, Ill. Republished by Flex-O-Glass, Inc., Chicago, Ill., a corporation of Illinois.

WYR-O-GLASS

The word "Wyr" is disclaimed apart from the mark as shown.
For Transparent and Transclucent Sheet Materials of Natural and Artificial Resins and Plastics Used as Substitutes for Glass Panes in Light Admitting Openings, and for Other Purposes.
Claims use since April 1940.

Reg. No. 401,404. Registered May 18, 1943. Harold Warp, doing business as Flex-O-Glass Manufacturing Co. and as Warp Brothers, Chicago, Ill. Republished by Flex-O-Glass, Inc., Chicago, Ill., a corporation of Illinois.

FLEX-O-GLASS

For Flexible, Translucent, and Transparent Materials Used as Substitutes for Glass.
Claims use since July 1, 1922.

Reg. No. 416,803. Registered Oct. 2, 1945. Harold Warp, doing business as Flex-O-Glass Manufacturing Co. and as Warp Brothers, Chicago, Ill. Republished by Flex-O-Glass, Inc., Chicago, Ill., a corporation of Illinois.

PLASTIGLASS

For Relatively Thin, Flexible, Translucent and Transparent Sheet Materials Reinforced With Translucent Elements and Having at Least One Irregular Surface Formed by Depression of the Areas Between the Reinforcing Elements, the Sheet Materials Being Used as a Substitute for Glass Panes in Light Admitting Openings, and for Other Purposes.
Claims use since Feb. 1, 1943.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 394,229. Registered Mar. 24, 1942. Charlotte Chemical Laboratories, Inc., Charlotte, N. C., a corporation of North Carolina. Republished by registrant.

CHARLAB

For Washing Powder.
Claims use since May 2, 1938.

Reg. No. 395,097. Registered May 12, 1942. Charlotte Chemical Laboratories, Inc., Charlotte, N. C., a corporation of North Carolina. Republished by registrant.

CHARLAB

For Organic Amine Compound Such as Higher Fatty Acid Alkylolamine Condensates, Which Are Useful as Textile Softening and Cleansing Agents.
Claims use since Apr. 10, 1941.

REISSUES

JULY 3, 1951

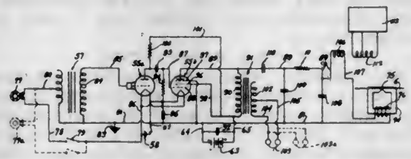
23,383

COUPLING CIRCUIT FOR MAGNETIC RECORDERS

Marvin Camras, Chicago, and Raymond E. Zenner, Brookfield, Ill., assignors to Armour Research Foundation of the Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois

Original No. 2,416,610, dated February 25, 1947, Serial No. 470,209, December 26, 1942. Application for reissue December 5, 1947, Serial No. 790,004

4 Claims. (Cl. 179—100.2)



4. The combination comprising an electromagnetic transducer head having a core and a coil mounted on said core, impedance means and capacity reactance serially connected in a closed resonant loop with said coil, means for feeding an electric signal to be recorded to said closed loop across said capacity reactance to energize said coil with the signal to be recorded, and means for feeding a high frequency electric current to said closed loop across said impedance means to thereby superimpose the same on said signal to be recorded within said closed loop.

23,384

TENTERING OR LIKE MACHINE FOR DRYING CLOTH OR OTHER MATERIAL

Julien Dungler, Basel, Switzerland

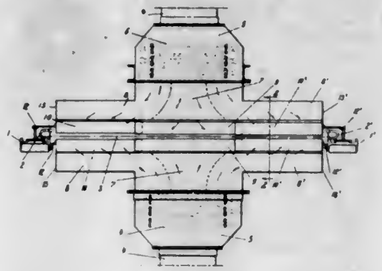
Original No. 2,495,163, dated January 17, 1950, Serial No. 762,776, July 22, 1947. Application for reissue January 17, 1951, Serial No. 206,335. In France February 24, 1939

Section 1, Public Law 690, August 8, 1946

Patent expires February 24, 1959

11 Claims. (Cl. 26—60)

2. In a tentering machine for drying cloth and similar web material; the combination of a tubular [fixed] part including nozzle means, said nozzle means being directed to and positioned adjacent the plane of the cloth to be treated, with *at least one* movable tubular extension part[s each] including nozzle means and arranged to extend in the direction of said *first-named* tubular [fixed] part, guide means connected to said [fixed] *first-named* part and arranged to permit movement of said extension part[s] in the direction to and from said *first-named* tubular [fixed] part to thereby adjust the total operative extent of all nozzle means commensurate with the width of the cloth to be treated, *and* a distributing manifold arranged for supplying a fluid to said nozzles[, chain-guide rails including clips disposed for location beyond said extension parts, said clips being adapted to engage said cloth when passing through said machine, and means connecting said chain-guide rails with said extension parts whereby the total extent of said fixed part and of said movable extension parts may be



automatically adjusted in accordance with the distance of the chain-guide rails between each other].

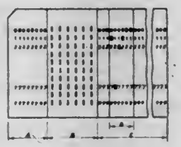
23,385

RECORDING AND CONTROLLING CARD

Knut A. Knutsen, Paris, France, assignor to Compagnie des Machines Bull (Societe Anonyme), Paris, France, a company of France

Original No. 2,508,953, dated May 23, 1950, Serial No. 37,412, July 7, 1948. Application for reissue January 19, 1951, Serial No. 206,741. In France October 16, 1947

8 Claims. (Cl. 235—61.12)



1. A statistical card for controlling a machine with electrical sensing means, said card having a plurality of index point positions arranged in denominationally ordered columns in which each of said index point positions is delimited by a location sign consisting of a recess [of oblong form] impressed in the front surface of the card, said recess being adapted to receive material physically different from that of the card below the front surface of said card.

23,386

SELF-FEEDING PAPER BURSTING TOY GUN

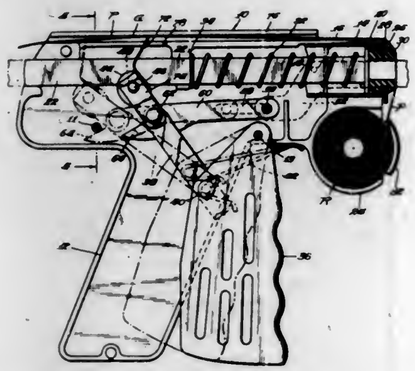
Otto A. Langos, Chicago, Ill.

Original No. 2,490,991, dated December 13, 1949, Serial No. 853, January 7, 1948. Application for reissue February 27, 1950, Serial No. 146,443

17 Claims. (Cl. 46—195)

13. In a paper burster toy having feedable paper and means adapted to be cocked and released to move and develop air pressure for bursting paper, the combination of paper feed means

which moves in one path to feed the paper, and upon a return movement thereof moves in a second path spaced from the first path for spacing said paper feed means out of engagement with the paper, toy actuating means adapted to releasably connect with the air pressure developing means for operation to cock the same in the cocking movement thereof and to disconnect therefrom for the bursting movement of the air pressure developing means, means operatively connecting said paper feed means and said toy actuating means so that they move concurrently, with said paper feed means moving in a path and engaging and feeding the paper on the cocking movement, guide means in said toy having a surface spaced from the feedable paper a distance and extending in a direction to maintain said paper feed means in the aforesaid second path of movement, and a portion in said toy actuating means engaging said guide means surface and moving therealong during the return movement of said paper feed means.



23,387
ABRASIVE ARTICLES AND METHODS OF MANUFACTURING THE SAME
Norman P. Robie, Lewiston, and Osborne L. Mahlman, Kenmore, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Original No. 2,369,689, dated February 20, 1945, Serial No. 418,010, November 6, 1941. Application for reissue July 1, 1947, Serial No. 758,282
13 Claims. (Cl. 51—298)

1. An abrasive article comprising abrasive grains and a hardened binder comprising the additive reaction product of a substantially neutral unsaturated monomeric material and an unsaturated esterification product of an aliphatic alcohol and a polybasic acid.

PLANT PATENTS

GRANTED JULY 3, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,019
ROSE PLANT
Hens A. Verschuren, deceased, late of Haps, Netherlands, by Maria Theresia Antonetta Verschuren, legal representative, Haps, Netherlands, assignor, by mesne assignments, to Charles H. Totty Company, Madison, N. J., a corporation of New Jersey
Application March 31, 1950, Serial No. 153,216
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid tea class, characterized as to novelty by the non-fading and non-bluing brilliant scarlet color and velvety texture of its flowers, by the long blunt-tip shape of the buds, by the round and double-notched form of the petals, defining a point in each petal and showing even in the tight bud, while giving the open flower a star-like appearance, by the light green color and deeply serrated edges of its foliage, by its prolific blooming habit, and by its resistance to mildew and black spot, substantially as shown and described.

1,020
CHRYSANTHEMUM PLANT
Emil Prushek, Niles, Mich., assignor to The R. M. Kellogg Company, Three Rivers, Mich., a corporation of Michigan
Application February 14, 1950, Serial No. 144,068
1 Claim. (Cl. 47—60)

A new and distinct variety of chrysanthemum plant substantially as herein disclosed, characterized as to novelty by its self-pruning habit of growth, the large size of its blooms, the cactus dahlia shape of its blooms, and the Amaranth Rose color of its blooms.

PATENTS

GRANTED JULY 3, 1951

2,558,716
THIOPHENE PREPARATION FROM HYDROCARBONS, ALCOHOLS, OR MONO-HALO HYDROCARBONS AND SULFUR DIOXIDE
Lawrence W. Devaney, Waco, Tex., John T. Clarke, Columbus, Ohio, and Charles H. Culnane, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 19, 1948, Serial No. 61,116
7 Claims. (Cl. 260—332.8)

1. A process for producing thiophene compounds which comprises reacting an organic compound selected from the group consisting of hydrocarbons, alcohols and mono-halo hydrocarbons containing an aliphatic chain of at least two carbon atoms with hydrogen sulfide in the vapor phase at an elevated temperature of at least 700° F. over a solid particulate surface-active catalyst, continuing said reaction until the catalyst activity has been substantially reduced and thereafter employing said catalyst for the production of thiophene compounds by the reaction of sulfur dioxide with a hydrocarbon containing an aliphatic chain of at least two carbon atoms in the vapor phase at an elevated temperature of at least 700° F.

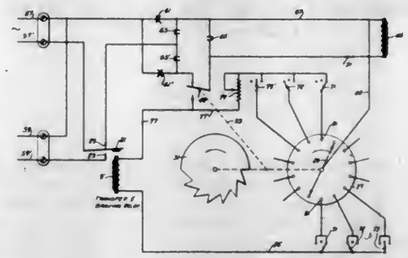
2,558,717
GARMENT HANGER ROD
Hollis E. Davis, Abilene, Tex.
Application September 5, 1947, Serial No. 772,437
1 Claim. (Cl. 224—42.1)



A garment hanger supporting rod for mounting within the body of a vehicle having a window at each side thereof, said rod comprising a pair of aligned bars having threaded inner ends, a tubular bar threaded onto said pair of bars for adjustably securing said bars endwise, downturned flattened tapered outer ends formed on said pair of bars, a radially ribbed plate fixedly carried by the flattened portion of each of said downturned ends, a pair of supporting feet at each of said outer ends, radially ribbed plates carried by said feet, and a bolt extending through the ribbed plates of each pair of feet and the adjacent plate of a downturned end whereby to adjustably clamp said feet in downwardly divergent relation.

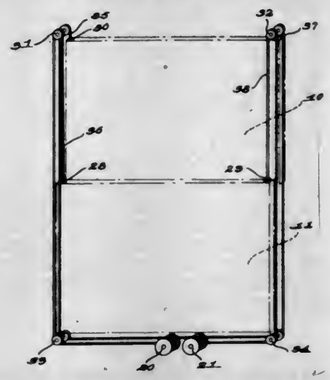
2,558,718
CODE TRANSMITTER
William A. Dougherty, San Rafael, Calif.
Application October 18, 1949, Serial No. 121,942
3 Claims. (Cl. 177—380)

1. A code sender comprising an input circuit for connection to a power source and an output circuit for connection to a line, an energy storage circuit, a transfer relay connecting said input circuit to said storage circuit when unexcited and to said line when excited, a motor, means for activating said motor when said transfer relay is unexcited and stopping said motor when said transfer relay is excited, a multipoint switch to make connection successively to a plurality of code selecting circuits, an exciting circuit for said transfer relay connecting to all of said code-selecting circuits in series with said multipoint switch, switching means in each of said code-



selecting circuits, a leakage path connectable across said exciting circuit through said switching means, and means actuated by said motor for connecting said exciting circuit across said energy storage circuit within the intervals when said multipoint switch is making contact, thereby actuating said transfer relay and stopping said motor during the time required for said energy storage circuit to discharge.

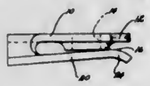
2,558,719
STORM WINDOW
James Gea, Joliet, Ill.
Application May 6, 1946, Serial No. 667,567
2 Claims. (Cl. 268—130)



1. A storm window including a double frame, guide strips disposed in said frame, upper and lower frame sashes slidably mounted in said guide strips, a pair of sheaves independently rotatably journaled at each corner of said frame, a pair of operating rollers journaled in the lower portion of the double frame and having their axles in spaced parallel relation to each other, a pair of cables having their ends connected to each of

said rollers and to said upper and lower sashes at each side thereof, intermediate portions of said cables being engaged over said sheaves, the cables of each pair of cables being windable in opposite directions upon their respective operating roller, said rollers being interconnected for positive opposite rotation upon rotation of one of said rollers whereby the cables connected to the lower sash will be wound on the rollers for raising the lower sash and the cables connected to the upper sash will be unwound for lowering the upper sash.

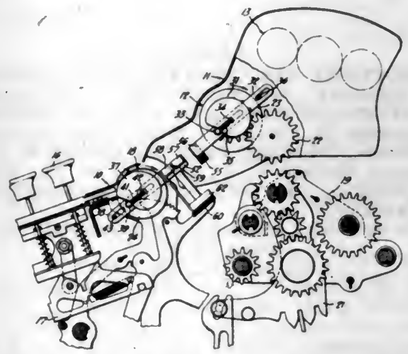
2,558,720
FASTENER
George A. Hansman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 19, 1946, Serial No. 684,757
1 Claim. (Cl. 85—36)



A fastener adapted to clasp an apertured edge portion of a panel in locked self-sustained position on said panel, said fastener comprising a piece of sheet metal provided with a pair of open-ended slots extending from one end of said fastener to adjacent the other end of said fastener, said slots providing an intermediate body portion, a pair of side fingers having free ends on opposite sides of said intermediate body portion and spaced laterally therefrom, and a transverse portion extending entirely across the fastener and integrally connecting said body portion and fingers, said transverse portion intermediately lying in the plane of said intermediate body portion and extremely lying in the plane of said side fingers, said transverse portion in the regions at the ends of said slots being bent to extend from the same side of said intermediate body portion to provide a horizontal space between said intermediate body portion and said side fingers for receiving said panel between said body portion and side fingers in clasping relation with opposite faces of said panel in the attached position of the fastener, said fingers having portions adjacent their free ends of less horizontal spacing from said intermediate body portion than at their junctions with said intermediate body portion, said intermediate body portion having a thread opening and the marginal edge of said opening being bent inwardly out of the plane thereof to define an inwardly projecting lip having its free end in the space between said intermediate body portion and said side fingers, said free end of said projecting lip being receivable in the aperture in said panel in said attached position of the fastener to hold the fastener in said attached position in cooperation with said body portion and side fingers in clasping relation with opposite faces of said panel.

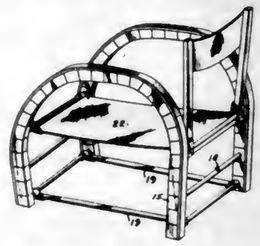
2,558,721
OPTICAL VALUE-COMPARING AND OPERATION CONTROL MECHANISM
Philip H. Allen, Orinda, Calif., and Benjamin J. Chromy, Washington, D. C.
Application May 7, 1946, Serial No. 667,868
10 Claims. (Cl. 235—79)

1. In a calculating machine, an optical device representing an ordinal dividend value, a second optical device representing an ordinal divisor value, means for establishing a light ray to impinge upon one of said devices for differential positioning thereby and for subsequent impingement upon the other of said devices for differential positioning thereby to compare said values and to influence said ray to one zone when said



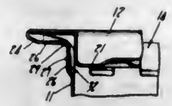
divisor value is greater than said dividend value and to another zone when said dividend value is greater than said divisor value, and means including respective optical elements in said respective zones responsive to the position of said light ray for controlling a calculating operation.

2,558,722
PORTABLE BODY-SUPPORTING ASSEMBLAGE
Hans Arnold Almoslino, Hollis, N. Y.
Application June 27, 1949, Serial No. 101,596
7 Claims. (Cl. 155—191)



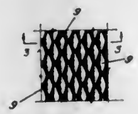
1. In assemblages for supporting service, wherein the assemblage is serviceable for supporting activities but manipulable into transportation and/or storage form, an assemblage of such type comprising a pair of parallel units extending in spaced-apart relation with the units connected by spaced connectors, each unit being formed of a succession of sections connected in series with the sections formed with mating faces arranged to produce a definite unit contour when the mating faces are in contact and to permit rolling-up of the unit for transportation or storage when the complete mating faces are out of contact, said mating faces being relatively formed to present the unit contour as of convex type relative to the supporting surface on which the assemblage is positioned and with the ends of the unit positioned in contact with such supporting surface, the end zones of a unit being connected by detachable connecting means supported by connectors carried by the end sections of the units to thereby maintain the units in their framing support position and to locate the connecting means below the supporting element.

2,558,723
CONTAINER
William H. Ayres, Baltimore, Md., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 8, 1946, Serial No. 681,790
3 Claims. (Cl. 220—67)



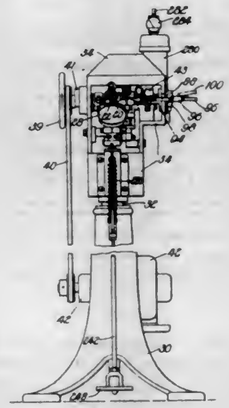
3. In a container adapted to be vacuumized or gassed prior to sealing, the combination of a body member having an upright body wall and a double seaming flange extending outwardly from said body wall and connected thereto by a curved wall section, a cover having an upright countersink wall and a double seaming flange extending outwardly from said countersink wall, said countersink wall entering into said body member and contacting said upright body wall below said curved wall section when said cover member is fully seated on said body member, and a plurality of shallow, substantially right-angled, peripherally spaced venting projections formed in said body member, each projection extending from the edge of and across said body flange and around said curved wall section and into and vertically along said upright body wall to a point below said cover countersink wall, and setting off a continuous, substantially right-angled, shallow venting channel between the exterior and interior of the container, each of said projections having a sharp line of bend formed in said curved wall section, said lines of bend determining the width of said body flange and the length of the resulting body hook for securing the cover onto the body in a double seam.

2,558,724
CONCENTRATOR FOR MINERALS IN FINE SIZED RANGES
Thomas S. Bailey, Jr., Denver, Colo., assignor to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware
Application May 5, 1947, Serial No. 746,050
4 Claims. (Cl. 209—490)



1. In an ore concentrator, a material receiving deck formed of a substantially stiff metal sheet, the upper surface of which has a series of shallow, substantially diamond-shaped recesses arranged in staggered sequence lengthwise of the deck with their major axes transverse to the flow of material along the deck and their minor axes parallel to said flow, each said recess being defined by a curved bottom portion sloping to ridges on each of its sides, each of which ridges separates one recess from two adjoining recesses of the series, said deck being mounted for movement to oppositely inclined positions about a pivotal support, means for directing a wash liquid onto the elevated end of the deck in one position, and mechanism for tilting the deck.

2,558,725
STITCH SEPARATING MACHINE
Corwin W. Baker, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 23, 1949, Serial No. 111,873
7 Claims. (Cl. 12—41)



1. In a stitch separating machine, a feed mechanism comprising a feed dog adapted to enter between the outseam stitches of a shoe and to exert a feeding force upon the shoe, a toggle comprising a pair of links pivoted together at their adjacent ends, the remote end of one link having a pivotal connection to the feed dog, a pivotal support for the remote end of the other link, and means for operating the toggle by varying the angular relation of the links, thereby causing the feed dog to impart a feeding movement to the shoe.

2,558,726
INCENDIARY ARTICLE
Maurice E. Barker, Washington, D. C., assignor to the United States of America as represented by the Secretary of War
Application April 9, 1941, Serial No. 387,553
5 Claims. (Cl. 102—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

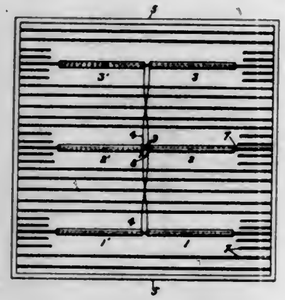


1. In an incendiary device, a self-igniting agent of the type which rapidly increases in temperature to the kindling point when exposed to the air, an enclosing casing initially protecting the agent from the atmosphere but composed at least in part of a material slowly deformable upon continued exposure to the atmosphere to admit air to the agent to initiate ignition.

2,558,727
ANTENNA
Edwin J. Bernet, Washington, D. C.
Application July 1, 1942, Serial No. 449,309
13 Claims. (Cl. 250—33.53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A uni-directional antenna array comprising an antenna frame, six half wave radiators so posi-

tioned that three parallel dipoles exist, each of said dipoles lying in the same plane offset from the plane of said frame, a conducting member rigidly supporting each of said radiators in said plane, each of said conducting members being immovably and conductively secured to said frame and to the voltage node point of its respective radiator, a plurality of sets of reflecting rods conductively secured to said antenna frame, the rods of each of said sets being parallel to and symmetrically associated with their respective dipole, and lying along the lines of intersection of said antenna frame and a series of equal angularly displaced planes radiating from the axis of said dipole.



2,558,728

THERMOSTABLE POLYMERIC VINYLIDENE CHLORIDE COMPOSITION

Edgar C. Britton and Walter J. Le Fevre, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application April 25, 1949, Serial No. 89,579
4 Claims. (Cl. 260—45.85)

4. A composition of matter comprising a polymeric vinylidene chloride product which tends to darken when heated, and, as a heat stabilizing agent therefor, from 0.5 to 5 per cent by weight of a salt of ethylene diamine N,N'-tetra-acetic acid wherein at least two of the hydrogen ions of said acid are replaced by two identical alkali metal ions and the other two hydrogen ions are replaced by ions selected from the class consisting of an alkaline earth metal ion and alkali metal ions.

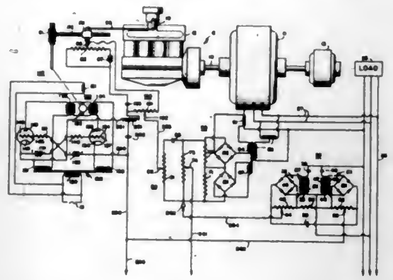
2,558,729

FREQUENCY CONTROL SYSTEM

Lester W. Buechler, Hyattsville, Md.

Application August 2, 1949, Serial No. 108,176
5 Claims. (Cl. 290—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. In a frequency and load distribution control system for a master generating unit and a slave generating unit operating in parallel each comprising a prime mover having a throttle and an alternating current generator driven by said prime mover at a predetermined speed, a throttle operator connected with each of said throttles, a frequency responsive circuit connected to said generators producing a first voltage varying with deviations from said predetermined speed, a load responsive circuit connected to each of said generators producing a second voltage proportional to the load on the generator connected thereto, a throttle response circuit connected to each throttle operator producing a fourth voltage proportional to a function of the speed of said throttle operator connected thereto, and means for controlling the throttle operator connected with said master generating unit in accordance with the difference between said first voltage and said fourth voltage from said master generating unit and the throttle operator connected with said slave generating unit in accordance with the difference between the sum of said first voltage and said second voltage from said master generating unit and the sum of said second voltage from said master generating unit and said fourth voltage from said slave generating unit.

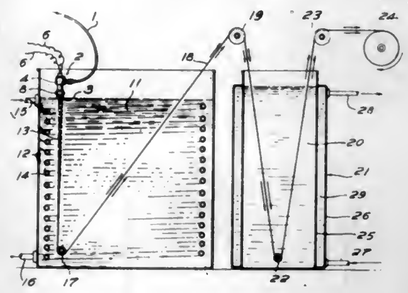


2,558,730

METHOD OF PREPARING SHAPED PRODUCTS FROM POLYMERS AND COPOLYMERS OF ACRYLONITRILE

Arthur Cresswell, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application September 4, 1947, Serial No. 772,200
23 Claims. (Cl. 18—54)



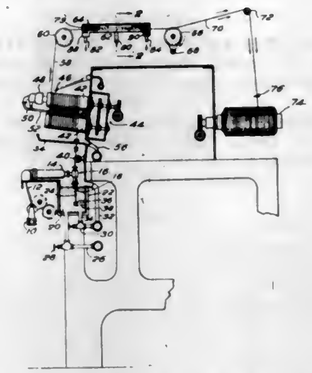
1. The method of producing shaped products from a soluble, thermoplastic product of polymerization of a polymerizable mass comprising mainly acrylonitrile, said method comprising precipitating the said polymerization product in approximately its desired shape from a water-coagulable solution thereof by contacting the latter with a liquid coagulant comprising water, said coagulant being at a temperature not exceeding +10° C. and said polymerization product being dissolved in a concentrated aqueous solution of a water-soluble salt which yields highly hydrated ions in aqueous solution, thereby to obtain a shaped, tough gel which can be molecularly oriented by wet stretching.

2,558,731

METHOD OF PRODUCING SYNTHETIC FIBERS FROM POLYMERS AND COPOLYMERS OF ACRYLONITRILE

Arthur Cresswell, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application January 27, 1949, Serial No. 73,078
21 Claims. (Cl. 18—54)



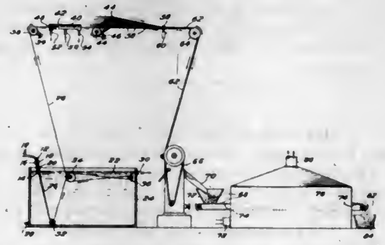
1. The method of producing a synthetic fiber from a soluble, thermoplastic product of polymerization of a polymerizable mass comprising mainly acrylonitrile, said method comprising extruding the said product in the form of a fiber from a water-coagulable solution of the said polymerization product dissolved in a concentrated aqueous solution of a water-soluble salt which yields highly hydrated ions in aqueous solution; immediately after extrusion contacting the extruded mass with a liquid coagulant comprising water, said coagulant being at a temperature not exceeding +10° C., thereby to precipitate the said product from the said solution as a stretchable, gelled fiber; continuously stretching the said gelled fiber, while it is in contact only with a fluid medium comprising moisture, at a temperature within the range of about 70° C. to about 100° C.; and continuously drying the stretched fiber.

2,558,732

METHOD OF PRODUCING STAPLE FIBER FROM POLYMERS AND COPOLYMERS OF ACRYLONITRILE

Arthur Cresswell, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application April 15, 1949, Serial No. 87,592
12 Claims. (Cl. 18—54)



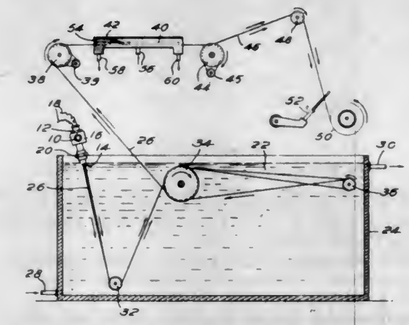
1. The method of producing a crimped, synthetic fiber from a soluble acrylonitrile polymerization product containing in the molecules thereof an average of at least about 85% by weight of combined acrylonitrile, said method comprising continuously extruding the said product in the form of a fiber from a water-coagulable solution thereof in a concentrated aqueous solution of a water-soluble salt which yields highly hydrated ions in aqueous solution; immediately after extrusion contacting the continuously moving, extruded mass with a liquid coagulant comprising water, said coagulant being at a temperature not exceeding +10° C., thereby to precipitate the said product from the said solution as a stretchable, gelled fiber; continuously stretching the said gelled fiber at least about 100% in the presence of moisture and at a temperature within the range of about 70° C. to about 110° C.; cutting the continuous length of stretched, shrinkable, aquagel fiber into discontinuous lengths while the said fiber contains, by weight, from about 13% to about 75% of water and correspondingly from about 87% to about 25% of the aforementioned polymerization product; and drying the discontinuous lengths of the cut fiber in a fully relaxed state thereby to obtain a crimped fiber of the said polymerization product.

2,558,733

METHOD OF PRODUCING SYNTHETIC FIBERS FROM POLYMERS AND COPOLYMERS OF ACRYLONITRILE

Arthur Cresswell, Stamford, and Irvin Wizon, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

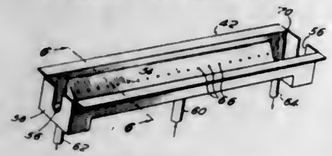
Application June 8, 1949, Serial No. 97,786
9 Claims. (Cl. 18—54)



1. The method of producing a synthetic fiber from a soluble acrylonitrile polymerization product containing in the molecules thereof an average of at least about 85% by weight of combined acrylonitrile, said method comprising extruding the said product in the form of a fiber from a water-coagulable solution thereof; immediately after extrusion contacting the extruded mass with a liquid coagulant comprising water, said coagulant being at a temperature not exceeding +10° C., thereby to precipitate the said product from the said solution as a stretchable, gelled fiber; stretching the said gelled fiber in the presence of moisture and at a temperature within the range of about 70° C. to about 110° C.; applying a liquid composition containing an antistatic agent to the stretched gel; continuously drying the resulting gelled fiber while it is moving under tension in a helical path; continuously passing the dried fiber, while relaxed and free to contract linearly, through a heated zone maintained at a temperature within the range of 100° C. to 500° C. at a rate such that the time at

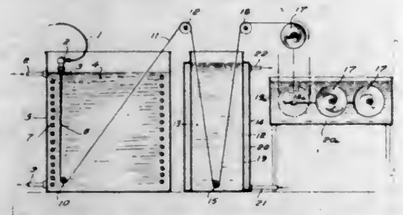
which any given point on the said fiber is within the said zone is from 0.01 to 5 seconds, the temperature of the said zone and the rate at which the dried, relaxed fiber is passed therethrough being such that no substantial decomposition of the fiber occurs.

2,558,734
THREAD-TREATING APPARATUS
Arthur Cresswell, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Original application December 30, 1948, Serial No. 68,370. Divided and this application February 28, 1950, Serial No. 146,880
4 Claims. (Cl. 68—181)



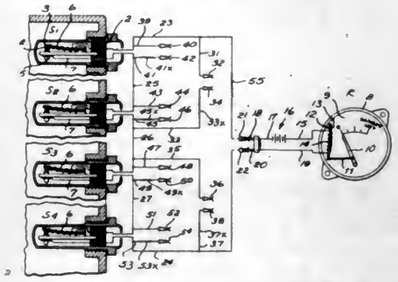
1. Apparatus for contacting a continuously moving thread with a liquid, said apparatus comprising a vessel having a bottom portion and side and end portions, each of the end portions being provided with an opening adapted for the passage therethrough of the moving thread; a trough-like member positioned within said vessel, said member being spaced from said end portions and being aligned with the openings therein, and the walls defining said trough-like member being provided with a plurality of spaced apertures extending longitudinally from one end to the other end of the said member; inlet reservoir means beneath said trough-like member; means for introducing a liquid to said inlet-reservoir means; and means for withdrawing liquid from said vessel after its passage through the apertures of said trough-like member.

2,558,735
METHOD OF FORMING DYED SHAPED ARTICLES FROM ACRYLONITRILE POLYMERIZATION PRODUCTS
Arthur Cresswell, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application August 30, 1950, Serial No. 182,296
28 Claims. (Cl. 18—47.5)



1. The method of producing a dyed, shaped product from a soluble, thermoplastic product of polymerization of a polymerizable mass comprising mainly acrylonitrile, said method comprising precipitating the said polymerization product in approximately its desired shape from a water-coagulable solution thereof by contacting the latter with a liquid coagulant comprising water, said coagulant being at a temperature not exceeding +10° C. and said polymerization product being dissolved in a concentrated aqueous solution of a water-soluble salt which yields highly hydrated ions in aqueous solution thereby to obtain a shaped, tough, dyeable gel which can be molecularly oriented by wet stretching and which has better dye receptivity than the dried gel in which the gel structure has been destroyed; dyeing the said tough, dyeable gel; and drying the dyed gel.

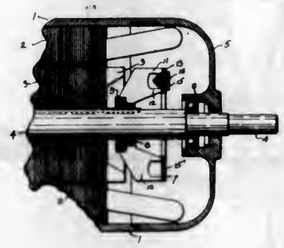
2,558,736
ELECTRICAL INDICATING SYSTEM
Clarence M. Crews, Manhasset, N. Y., assignor to The Anderson Company, a corporation of Indiana
Continuation of application Serial No. 740,765, June 17, 1944. This application November 4, 1948, Serial No. 58,189
8 Claims. (Cl. 177—311)



7. An electrical indicator mechanism including a plurality of indicator systems each comprising, in combination, a transmission circuit, a plurality of senders located in different but similar environments and connected in the circuit in series with one another, a source of electrical potential connected in the circuit in series with the senders, a receiver calibrated in terms of a condition to be indicated, connected in series with the senders, said senders and receiver being of the wattage integrator type in which the wattages converted to power by the receiver and the controlling sender bear a constant ratio to one another and such wattages vary proportionally with departure of the environmental condition to be indicated from a dangerous temperature condition, the wattage converted to power at the receiver being controlled by that sender which is in the environment closest to the dangerous temperature condition so that the receiver is caused always to indicate the condition of the most abnormal environment, each said system including a heater element, and a general warning circuit common to the several systems comprising a warning instrument, a source of operating voltage in series therewith, and a plurality of temperature responsive, circuit closing switches disposed in parallel relation, each associated with, and controlled by, the heater element of one of said systems.

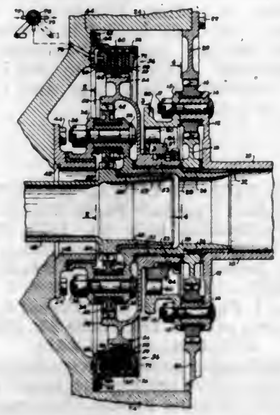
2,558,737
ROTOR BALANCING MEANS
Victor L. Darnell, Spring Valley, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application December 13, 1946, Serial No. 715,943
12 Claims. (Cl. 171—206)

1. Balancing means for a rotary body having a supporting shaft, including a fan mounted on said shaft, a plurality of radially projecting longitudinally overhanging blades therefor, bifurcations in the overhanging extremities of the fan blades, forming an outer and inner series of furcations concentrically disposed in relatively spaced relation, an annular ring secured to the outer series of furcations, a second annular ring secured to the inner series of furcations in relatively spaced concentric relation with the first annular ring, an annular slot formed therebe-



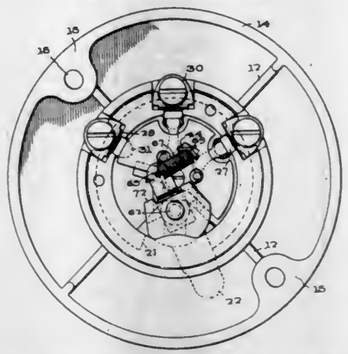
tween, balance weights adjustably mounted upon the radial faces of the annular rings, and means for securing the weights in adjusted position, said means traversing the annular slot, the construction and arrangement being such that the weights may be circumferentially moved about the annular slot and secured in any desired position of adjustment.

2,558,738
MULTISPEED TRANSMISSION
Charles S. Davis, Jr., Paterson, George B. Du Bois, Radburn, and Stanley W. Baker, Paramus, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application August 7, 1945, Serial No. 609,432
18 Claims. (Cl. 74—785)



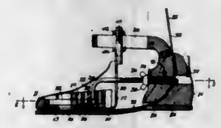
1. In a multi-speed transmission, an input shaft, planetary gear means comprising an input member, an output member and a torque reaction member, means to provide a step-up speed-ratio drive from said input shaft to said input member, means engageable to prevent rotation of said reaction member, and a one-way clutch automatically operative during rotation of said reaction member in response to the reaction torque acting thereon to prevent rotation of said reaction member above a predetermined speed relative to and differing from the speeds of said input and output members.

2,558,739
BOX COVER SWITCH
Victor R. Despard, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application September 15, 1947, Serial No. 774,015
4 Claims. (Cl. 200—67)



1. In a box-cover switch unit of the type described, in combination, a substantially flat cover member of insulating material adapted to be secured over the face of a junction box, a hollow projection on the front face of said cover to house a switch assembly and open through the back of said cover, terminals resting on the back of said cover radially outwardly of the opening and having contacts extending along the walls of the opening and into said projection, a movable contact assembly pivoted within the hollow of said projection for cooperation with said contacts and a handle-operator assembly pivoted in said projection and extending out through a circumferential wall thereof.

2,558,740
SHOE TREE
William H. Doherty, Elmhurst, N. Y.
Application January 11, 1949, Serial No. 70,191
15 Claims. (Cl. 12—128.3)

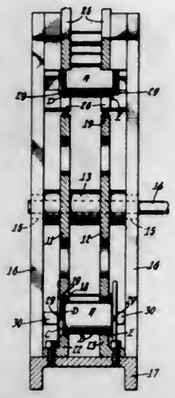


1. A shoe tree which includes a sole plate, a toe piece on the sole plate, laterally movable former portions on the sole plate, and resilient means supporting the former portions from the toe piece.

2,558,741
APPARATUS FOR TRUING OUT-OF-ROUND CAN BODIES
John Drygulski, Hillside, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 8, 1947, Serial No. 784,921
5 Claims. (Cl. 153—32)

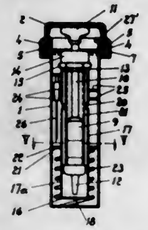
1. An apparatus for truing the body wall of an out-of-round sheet metal cylindrical container having a bottom secured to one end in a circular end seam and having its other end open and terminating in a flange, the combination of a rotatable driving wheel having a resilient tread thereon engageable with the circular end seam of said

container, a rotatable truing wheel disposed adjacent said driving wheel and having a resilient tread thereon engageable against the body of said container adjacent its terminal flange, and means disposed opposite each of said wheels for maintaining said container in engagement with said driving wheel for rotating said container on its



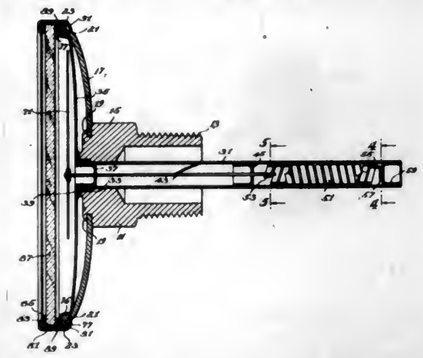
longitudinal axis and for compressing the out-of-round portion of said container adjacent its terminal flange against said truing wheel in the direction of its major diametrical axis for imparting thereto a permanent set substantially that of the true diameter of the container for reforming the out-of-round flanged container into a truly round container.

2,558,742
RECEPTACLE FOR INJECTION SYRINGES
Ernst Axel Ericsson, Gothenburg, and Sven Christian Johansson, Bohus, Sweden
Application October 24, 1945, Serial No. 624,238
In Sweden October 21, 1944
2 Claims. (Cl. 206—43)



1. In a container for an injection syringe, an elongated receptacle closed at one end and open at the other, a hollow socket for the reception of the syringe, said socket being of substantially smaller diameter than said receptacle and being longitudinally displaceable within the receptacle, resilient means for displacing said socket so that a portion thereof projects outwardly through the open end of said receptacle, a plurality of longitudinally spaced plates extending laterally outwardly from said socket and having outer edges contacting the inner side of said receptacle for locating and guiding the socket within the receptacle, openings formed in at least one of said plates providing seats for holding a plurality of syringe needles, and a removable cover for closing said open end and retaining said socket in retracted position.

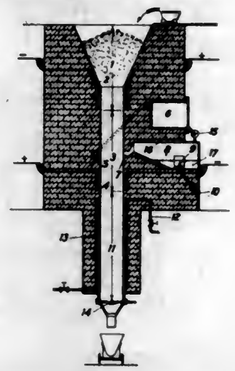
2,558,743
THERMOMETER
George E. Ford, Brighton, N. Y., assignor to Qualitrol Corporation, East Rochester, N. Y., a corporation of New York
Application June 12, 1945, Serial No. 599,051
8 Claims. (Cl. 73—367)



1. A thermometer including a mounting member having a bore therethrough, a casing secured to said mounting member adjacent the front end thereof, a tube projecting rearwardly from said mounting member and extending through the bore in said mounting member substantially to the front end of said mounting member, a formed sheet metal cup-shaped member mounted in the front end of said tube with its side walls pressed tightly into said tube and projecting forwardly beyond the front end of said tube and with its bottom extending transversely across said tube inwardly from the front end of said tube, a dial mounted on said forwardly projecting side walls of said cup-shaped member, a pointer cooperating with said dial, a shaft connected to said pointer and extending rearwardly therefrom through said tube and having a bearing in said cup-shaped member, and a bi-metallic heat responsive element located within the rearwardly projecting portion of said tube and operatively connected to said shaft.

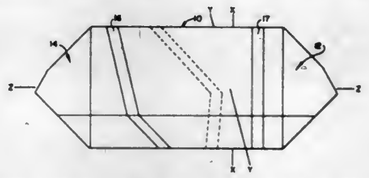
2,558,744
PRODUCTION OF LIQUID MAGNESIUM
Robert Fouquet, Paris, France
Original application July 22, 1947, Serial No. 762,755. Divided and this application February 27, 1948, Serial No. 11,592. In France December 28, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 28, 1962
3 Claims. (Cl. 75—67)

1. In a method of producing magnesium by the thermal reduction of magnesium ores by non gas-forming solid reducing agents, the steps of forming a finely divided particulate intimate mixture of said ore and reducing agent, introducing said mixture into a vertical elongated reaction chamber comprising three superimposed vertical zones, heating said mixture to degas and dry it and simultaneously feeding the same by gravity to form a self-packed substantially gas impervious enclosed column of said mixture in the first zone, allowing said gas impervious column to descend by gravity from said first zone into a reduction zone, reducing the ore in said reduction zone by heating to reaction temperature to vaporize the resulting magnesium, withdrawing the magnesium vapors from said reduction zone substantially laterally into a condensation chamber, allowing the spent solid reaction materials to form by gravity a self-packed gas-impervious enclosed column in the third zone beneath said reduction zone, said columns of raw and spent materials in



said first and third zones being substantially continuous and having a length sufficient to render them substantially impervious to the passage of gases vertically therealong, whereby the ingress of air through said columns into said reduction zone is prevented.

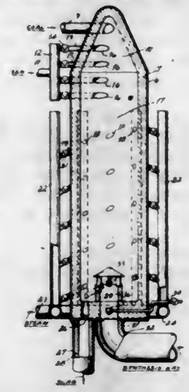
2,558,745
METHOD OF SELECTION OF ORIENTED SEED PLATES FOR QUARTZ SYNTHESIS
Isidore I. Friedman, Washington, D. C., and Orville F. Tuttle, Kensington, Md.
Application April 6, 1948, Serial No. 19,394
1 Claim. (Cl. 171—327)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A seed plate for promoting rapid crystalline growth of quartz in a crystallizing solution, consisting of a plate cut from a quartz crystal bar at an angle to the optical axis and parallel to one of the minor rhombs of the cap of the crystal bar.

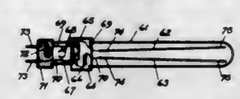
2,558,746
PRODUCTION OF CARBON MONOXIDE AND OTHER GASES FROM CARBONACEOUS MATERIALS
Leon P. Gaucher, Mount Vernon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 10, 1948, Serial No. 7,446
5 Claims. (Cl. 48—206)

5. In a process for the generation of carbon monoxide and hydrogen from a solid carbonaceous fuel by reaction with oxygen and steam, the improvement which comprises introducing said solid carbonaceous fuel in powdered form into the upper end of a vertical elongated cylindrical reaction zone, contacting said powdered fuel in said zone at the upper end adjacent the fuel inlet with an oxygen-containing gas in an amount sufficient to oxidize only a portion of said powdered fuel thereby liberating heat and producing a gaseous reaction product containing carbon dioxide, passing the resulting hot gaseous reaction product and heated residual powdered fuel through said reaction zone to the lower end



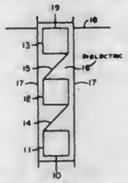
thereof, and introducing steam into said reaction zone at a plurality of spaced points on the periphery of said zone and along the path of said fuel tangentially and at an angle upwardly toward the inlet end to impart a rotary motion to the reactants and products, and withdrawing the resulting product gases comprising carbon monoxide and hydrogen from said lower end of said reaction zone.

2,558,747
ELECTRIC LIGHTING SYSTEM
William B. Greenlee, Denver, Colo.
Application October 22, 1945, Serial No. 623,793
3 Claims. (Cl. 315—227)



1. A lighting unit comprising a gas filled tube having a pair of elongated diverging electrodes, a condenser connected in parallel with said electrodes, a resistor connected in series with one said electrode and between said condenser and electrode, and a housing enclosing said condenser and resistor and attached to and sealing said tube.

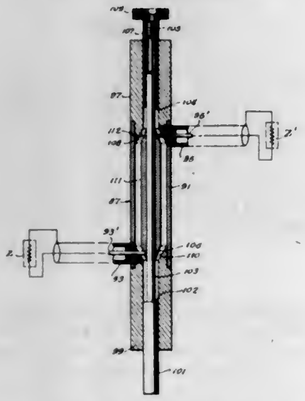
2,558,748
RADIO-FREQUENCY FILTER
Andrew V. Haeff, Washington, D. C.
Application December 14, 1945, Serial No. 635,121
3 Claims. (Cl. 178—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A radio frequency filter, comprising a plurality of flat capacitor plates spatially disposed

in co-planar relation, a continuous conducting sheath insulatingly surrounding said plates and cooperating therewith to form the other plate of individual capacitor elements, individual elongated conductor elements of select lengths connecting said capacitor plates in tandem and cooperating with said sheath to form individual quarter-wave transmission line sections, each transmission line being effectively connected in series and each terminated in the low capacitated impedance of the individual capacitor elements.

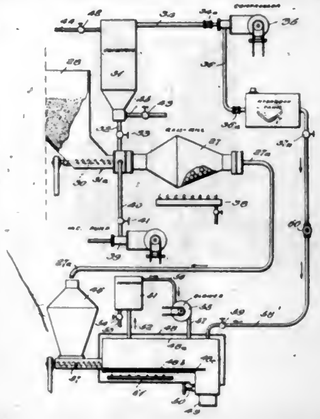
2,558,749
HIGH-FREQUENCY IMPEDANCE TRANSFORMER
William W. Hansen, Stanford University, and John R. Woodyard, Berkeley, Calif., assignors to The Sperry Corporation, a corporation of Delaware
Original application May 17, 1941, Serial No. 393,868. Divided and this application March 22, 1946, Serial No. 656,200
7 Claims. (Cl. 178—44)



1. A coaxial line impedance transformer comprising a tubular outer conductor, means connecting the outer conductors of two coaxial transmission lines to said tubular outer conductor at spaced points thereon, a slidable inner conductor positioned to cooperate with said tubular conductor to form a coaxial line section therewith, two shorting plugs carried by said slidable inner conductor at the ends thereof respectively and adapted to short-circuit said tubular conductor to said inner conductor at said ends of said inner conductor, said plugs being slidable within said tubular conductor, means to adjust the length of the portion of said inner conductor between said short-circuited end, and means to connect the inner conductors of said two coaxial transmission lines through sliding contact to spaced points of said inner conductor corresponding to said spaced points of said tubular conductor.

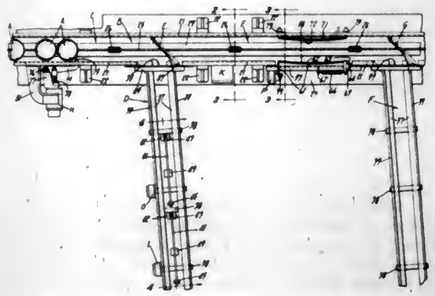
2,558,750
PRODUCTION OF DIVIDED METALS
George D. Harrison, Detroit, Mich., assignor of two-thirds to Walter F. Courtis and Thomas M. Courtis and one-third to Courtis Trust, Detroit, Mich., a trust of Michigan
Application July 19, 1943, Serial No. 495,329
1 Claim. (Cl. 75—28)

The method of treating electrolytically produced iron powder which comprises the steps of subjecting the particles of iron powder to an oxidizing atmosphere for a time sufficient to superficially oxidize only surface portions of the particles to condition such surface portions for a change in shape upon subsequent reduction of



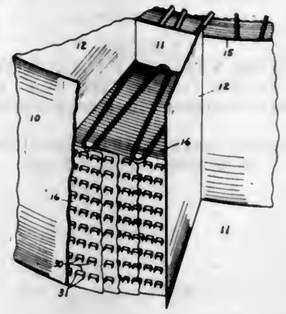
the oxide so formed while maintaining the iron beneath such oxidized surface portions in an unaltered state, and thereafter reducing the oxide so formed in situ by subjecting the oxidized particles of powder to a reducing atmosphere.

2,558,751
CONVEYER RUNWAY SWITCH AND CONTROL
Harold C. Hebert, Tampa, Fla., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 7, 1946, Serial No. 667,820
4 Claims. (Cl. 198—78)



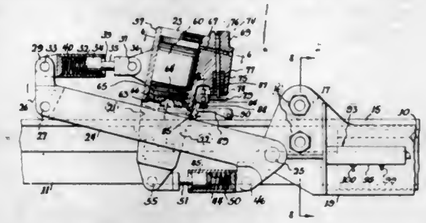
4. In a can runway gate mechanism, the combination of an inlet runway section, conveyor means for propelling cans along said inlet runway section, a plurality of outlet runway sections, a runway gate interposed between said inlet and said outlet sections for directing cans selectively from the former into one of the latter, gate actuating means operable by an accumulation of cans in an outlet section for actuating said gate and for thereby diverting surplus cans into another of said outlet sections, a stop device spaced from said gate for preventing entrance of additional cans into said inlet section when said accumulation of cans occurs in said outlet section, and a time delay device for holding said gate actuating means inperative until cans in said inlet section have cleared said gate.

2,558,752
REGENERATIVE HEAT EXCHANGER
Sven Holm, Wellsville, N. Y., assignor to The Air Preheater Corporation, New York, N. Y.
Application July 9, 1948, Serial No. 37,752
4 Claims. (Cl. 257—6)



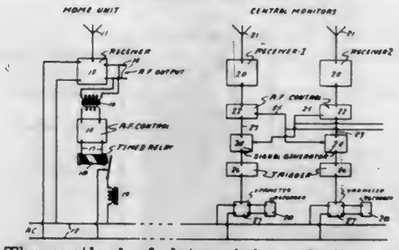
1. In a regenerative air preheater or the like having a cylindrical rotor divided by partitions into compartments that carry heat transfer material; a pressurized fluid jet apparatus disposed and arranged for cleaning said material; heat transfer plates disposed in said compartments parallel to the direction of fluid flow and closely spaced to form narrow fluid passages therebetween axially of the rotor, each plate being formed over substantially its entire area with a myriad of perforations uniformly distributed over the plate area in parallel rows permitting passage of fluid between said passages laterally through the plates for minimizing pressure effects on the plates caused by the cleaning jets.

2,558,753
FEEDING DEVICE FOR SHAKER CONVEYERS
John H. Holstein, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 25, 1946, Serial No. 705,560
17 Claims. (Cl. 198—220)



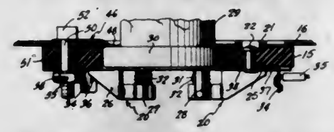
1. In a feeding device for shaker conveyors, a reciprocating trough, an extensible trough, and means for moving said extensible trough relative to said reciprocaitng trough including two friction grip blocks reciprocably moved by one of said troughs and engageable with the other of said troughs along the edges thereof during alternate strokes of the conveyor, a vertically inclined carrier member mounted on each side of said extensible trough for said grip blocks, a connecting frame pivotally connected to said one trough and extending in advance thereof, floating connections from opposite ends of said frame to opposite ends of said carrier member, and fluid pressure means at one end of said carrier member for urging said grip blocks in a direction to engage said other trough.

2,558,754
AUTOMATIC RADIO LISTENER SURVEY SYSTEM
William D. Horn and John R. Ragazzini, New York, N. Y.; said Ragazzini assignor to said Horn
Application March 18, 1947, Serial No. 735,441
12 Claims. (Cl. 235—52)



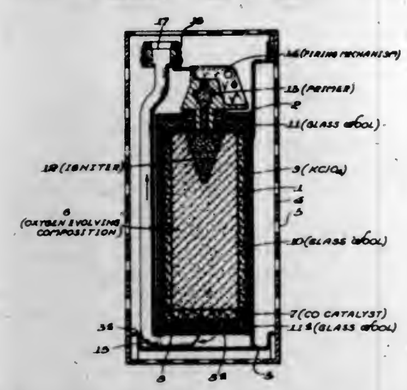
1. The method of determining whether a remote radio receiver which is tunable to any one of a plurality of different radio broadcast programs is tuned to a selected one of said programs, which comprises deriving from the remote receiver a time sequence based on the recurrence of selected normally irregularly recurring changes in instantaneous signal intensity of the signals of the program being received thereby, monitoring said selected program by a monitor receiver independently of said remote receiver, simultaneously deriving a time sequence based on the recurrences of the same selected normally irregularly recurring changes in instantaneous signal intensity of the signals being received by said monitor receiver, and comparing the time sequences of said selected changes which are derived at the same instants from said remote received and from said monitor receiver to determine their coincidence or lack of coincidence.

2,558,755
RECTIFIER TUBE SOCKET
Harvey Hubbell, Long Hill, and Joseph F. Healy, Bridgeport, Conn., assignors to Harvey Hubbell, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application June 14, 1944, Serial No. 540,300
11 Claims. (Cl. 173—328)



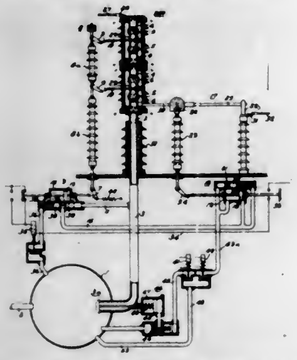
10. A tube socket of the character described comprising an insulating body provided with an opening to receive the base of a rectifier tube provided with projecting contact pins, contacts on the inner side of said body each including a channel shaped member with one end portion of each of its side flanges extending into a position in alignment with a contact pin of such a rectifier tube when in the socket, each of said extended end portions being provided with an extension extending laterally in the same direction from one edge of its flange extension, said lateral extensions being concavely curved in opposite directions with their concaved surfaces extending tranversely of the extension and opposed to form a socket substantially parallel to the axis of the opening to embrace a contact pin, and a coiled spring embracing said curved portions to clamp them about the pin.

2,558,756
OXYGEN GENERATOR
Carey B. Jackson, Forest Hills, and Robert M. Bovard, Mars, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 28, 1948, Serial No. 41,166
7 Claims. (Cl. 23—281)



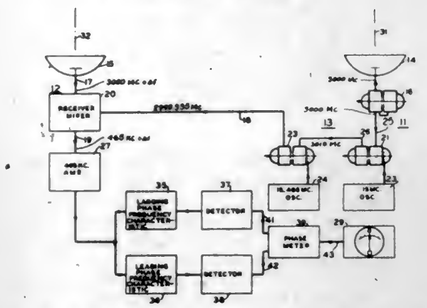
1. An oxygen generator comprising an elongate canister closed at its ends and provided at one end with an oxygen outlet, a consolidated body of a combustible composition which upon ignition undergoes exothermic reaction with evolution of oxygen disposed in said canister, means associated with said canister for igniting said composion, and a layer of substance that is decomposed endothermically with evolution of oxygen under the heat of reaction of said composition surrounding the exterior of said body between it and the canister wall.

2,558,757
MULTIBREAK GAS BLAST CIRCUIT BREAKER WITH GROUNDED OPERATING MOTOR
Gustav E. Jansson, North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 19, 1947, Serial No. 762,092
12 Claims. (Cl. 200—148)



1. In a circuit breaker, the combination of a member at least in part of insulating material defining a passage, a pair of cooperating contacts within said passage, a supply of gas under pressure, means connecting said passage and said supply for producing a blast of gas having a slightly damped pressure wave through said passage, a contact separating means operated independently of the gas pressure in said passage, and means for synchronizing said contact separating means with said blast producing means to separate said contacts when a crest of said pressure wave reaches said contacts.

2,558,758
RADIO VELOCITY INDICATOR
Edwin T. Jaynes, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application January 22, 1944, Serial No. 519,296
17 Claims. (Cl. 343—8)



16. Apparatus for indicating the speed of a remote object comprising phase-shifting means, means including a directive transmitter and a directive receiver for coupling two alternating signals having different frequencies to said phase-shifting means, said phase shifting means for differentially phase-shifting one of said signals relative to the other in sense and to an extent dependent upon the relative frequencies of said signals, detector means coupled to said phase-shifting means for producing output voltages of a frequency equal to the difference between the frequencies of said two signals and of relative phase dependent upon the differential phase-shift of said two signals, and means coupled to said detector means for indicating the extent and sense of said separation of said output voltages.

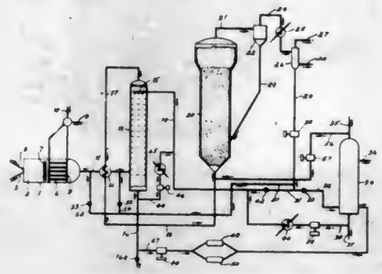
2,558,759
ARTIFICIAL SKI CHUTE
Robert H. Johnson, Boston, Mass.
Application January 9, 1946, Serial No. 640,088
3 Claims. (Cl. 272—56.5)



1. A ski chute comprising an inclined slideway having strewn upon its top surface loose granules of rigid material of such substantial size and powdered wax.

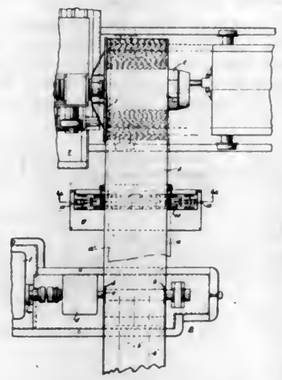
2,558,760
HYDROCARBON SYNTHESIS
Percival C. Keith, Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
Application August 24, 1946, Serial No. 692,874
7 Claims. (Cl. 260—449.6)

1. In the catalytic production of hydrocarbons from carbon monoxide and hydrogen, a process which comprises generating a synthesis gas containing carbon monoxide and hydrogen but substantially no oxygenated hydrocarbons in a gas generation zone under conditions, involving partial combustion of hydrocarbonaceous material at a temperature in order of 2100° F. and higher with oxygen, which result in a generator effluent gas having entrained therein small amounts of difficultly removable solid carbonaceous particles formed in said generation zone, scrubbing said particles from said effluent gas with liquid ob-



tained at a subsequent point in the process, passing resulting scrubbed gas to a synthesis reaction zone containing a synthesis catalyst maintained under conditions effective for the reaction of carbon monoxide with hydrogen, removing from said synthesis zone a product containing hydrocarbons, water and some oxygenated hydrocarbons, separating from said product a liquid fraction consisting essentially of water containing dissolved oxygenated hydrocarbons and effecting the aforesaid scrubbing with said separated liquid fraction.

2,558,761
CONTROL SYSTEM
George E. Kentis, Jr., Detroit, Mich., assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio
Application March 2, 1945, Serial No. 580,622
7 Claims. (Cl. 242—76)

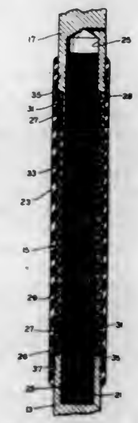


1. In web controlling apparatus, reversible means for shifting the web laterally, means for controlling said shifting means comprising, a normally balanced phase shift bridge, an output circuit for said phase shift bridge connected to control the operation of said shifting means, means adjacent the two edges of said web influenced by lateral shifting of the web in opposite directions from a normal position to unbalance the phase shift bridge in opposite directions to render said shifting means operable in the appropriate direction to return the web to a normal position.

2,558,762
CARRIER MATERIAL FOR AGRICULTURAL CHEMICALS
Donald A. Kohr, Jr., Chicago, Ill., and Roy L. Milde, La Fayette, Ind., assignors to The Sherwin-Williams Co., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 14, 1948, Serial No. 65,283
15 Claims. (Cl. 167—42)

1. A substantially water-free liquid composition capable of forming a stable dispersion in water for application to plant surfaces by spraying, comprising essentially a hydrocarbon spray oil containing a major proportion of paraffinic constituents and not more than about 25% sulfonatable material and having a viscosity of from about 40 seconds to about 70 seconds Saybolt Universal at 100° F., a coupling agent, a surface active agent of the type obtained by reacting 3 to 6 mol proportions of ethylene oxide with 1 mol proportion of a monoalkyl ester of cyclic inner ethers of a hexitol in which the alkyl radical is a straight chain 18 carbon atom fatty acid residue, said coupling agent effecting a mutual solvency between said spray oil and said surface active agent, the proportion of said surface active agent being from about 20% to about 200% by weight of the coupling agent and said surface active agent and coupling agent together being from about 20% to about 300% by weight of the spray oil, and at least one agricultural chemical miscible therewith suitable for application to plant surfaces by spraying in an amount of from about 2% to about 400% by weight of the remainder of the composition.

2,558,763
FLEXIBLE MEMBER
Norman E. Lee, Forest Hills, N. Y., assignor to the United States of America as represented by the Secretary of War
Application February 21, 1946, Serial No. 649,448
12 Claims. (Cl. 267—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a flexible member, a pair of spaced opposing sockets, tubular flanges extending toward

each other on said sockets respectively, a flexible sheath extending between said sockets and encircling said flanges at its opposite ends, the ends of said sheath being anchored respectively to said sockets, said sheath including a helical spring and a helix of soft wire, said spring being of thinner material throughout its end portions which encircle the flanges so as to be weaker in extension throughout said end portions, and said helix of soft wire being wound around said spring and of similar pitch and disposed in the interstices between the turns of said spring.

2,558,764

PROCESS FOR THE RECLAMATION OF RUBBER IN THE PRESENCE OF α,α-DIALKYLARYLMETHYL HYDROPEROXIDE

John R. Lewis, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 30, 1948, Serial No. 36,278
11 Claims. (Cl. 260—2.3)

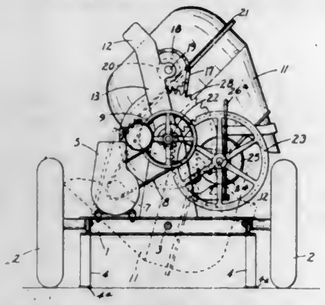
1. The process of reclaiming a vulcanized rubber material which comprises heating the rubber material in the presence of from about 0.1% to about 50% of its weight of a hydroperoxide which structurally is an aromatic hydrocarbon having attached to the ring thereof at least one but not more than two α,α-dialkyl-α-hydroperoxymethyl groups.

2,558,765

HIGH-DISCHARGE AND LOW-CHARGING MIXER

Eric H. Lichtenberg, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation

Application August 6, 1946, Serial No. 688,613
5 Claims. (Cl. 259—161)



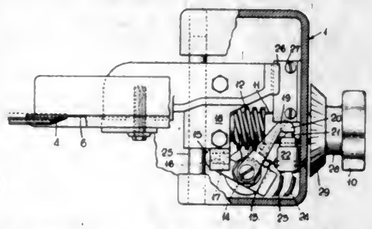
1. In a high discharge and low charging mixing machine, a supporting frame, a motor thereon, an arm mounted to swing about an axis to carry its free end from a low to a high position, and vice versa, a mixing drum on the free end of the arm and having a charging and discharge opening, means to rotate the drum, and means to drive the arm to carry the arm to a position in which the mixing drum opening is downward for discharging, and for controlling downward movement of the arm to carry same to a position with the drum opening upward for charging, the last means comprising operating devices to positively raise the drum, and means for releasing the drum from the drum raising means and for controlling gravitation of the drum to low charging position, including manually controlled clutch driven means to raise the drum to discharge position, and brake controlling means for governing movement of the drum to low charging position.

2,558,766

MOTOR AND GAUGE PLATE CONTROL FOR SLICING MACHINES

Arnold W. Lundell, East Portchester, Conn., assignor to Globe Slicing Machine Co., Inc., Stamford, Conn., a corporation of New York

Application January 21, 1949, Serial No. 72,037
5 Claims. (Cl. 146—102)



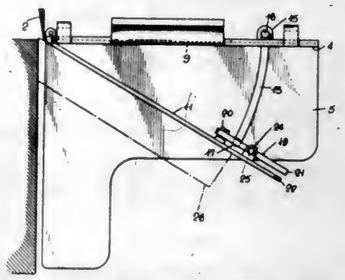
1. A motor and gauge plate control for a slicing machine having a power driven rotatable knife, an electric motor for operative connection to said knife, an electric switch for the motor, a gauge plate, and movably mounted supporting means for said gauge plate movable to and from the cutting edge of the knife to determine the slice thickness to be cut, characterized by a rotatable shaft, a control knob fixed on said shaft, a second shaft operatively connected to said first shaft, a first lever fixed to said second shaft for actuation of said switch to open the same and interrupt the current to said motor in off position, and a second lever on said second shaft operatively connecting said supporting means to position said gauge plate above the level of the cutting edge of said knife in the off position of said first lever, the actuation of said knob and in turn of said second shaft from the off position initially to withdraw said first lever from said switch to enable said switch to close and start said motor, and the continued actuation of said knob actuating said second lever to space said gauge plate from the cutting edge of said knife into slicing position.

2,558,767

INCLINED GUIDE FOR SLICING MACHINE CHUTES

Arnold W. Lundell, East Portchester, Conn., assignor to Globe Slicing Machine Co., Inc., Stamford, Conn., a corporation of New York

Application January 21, 1949, Serial No. 72,038
3 Claims. (Cl. 146—102)



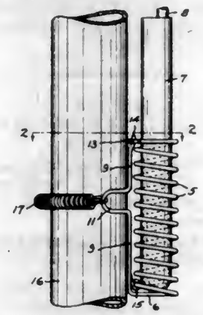
1. A guiding device for a slicing machine chute wherein the slidable chute has a first wing and a second wing forming a dihedral angle with one another and at an oblique angle to the vertical with the dihedral angle between the wings at the lower edges of the wings, and wherein a rotatable knife and a platform, the planes of which are substantially parallel to one another, are also disposed at an oblique angle to the vertical but substantially adjacent to and vertical to the two wings, characterized by a plate pivotally connected to the lower free edge of said first wing disposed adjacent to the plane of the knife and substantially vertical to said second wing, said first wing being the advance wing during slicing operation and having a recess conforming in depth, width and length to the dimensions of said plate guide to receive the same with the exposed face of the plate guide flush with the exposed face of the first wing, said plate guide being movable across said second wing, and means for anchoring said plate guide either flush with said first wing or to form a dihedral angle with said first wing in guiding position.

2,558,768

THERMOMETER HOLDER RELEASABLY ATTACHABLE TO BEDPOSTS

Gordon M. McCormick, Spokane, Wash.

Application February 25, 1949, Serial No. 78,407
3 Claims. (Cl. 248—229)



1. A holder comprising an open-coil wire helix of cylindrical shape open at its top end and having means at its bottom end adapted to support a member disposed within said helix; bracket means comprising two substantially parallel spaced apart wires integral with said helix and extending longitudinally thereof along one side of said helix; resilient band means having one end portion thereof permanently connected with one wire of said bracket means; and readily releasable means adapted to releasably connect the other end portion of said resilient band means with the other wire of said bracket means, whereby said resilient band means can be drawn around a support to secure said helix to the support.

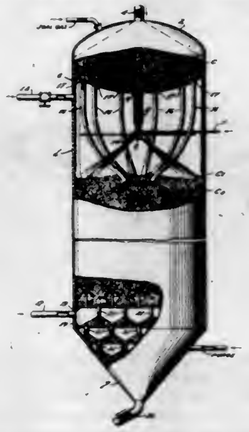
2,558,769

PROCESS FOR CONTROL OF HYDROCARBON REACTIONS IN MOVING SOLIDS CONTACTING SYSTEMS

Dwight D. McKinney, Drexel Hill, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application January 2, 1948, Serial No. 288
5 Claims. (Cl. 196—52)

1. In a process for the conversion of heavy petroleum stocks which are charged to a reaction zone in at least partially liquid phase, and wherein such conversion is effected in the presence of a bed of gravitationally moving contact material, the improvement comprising introducing from a supply zone a first portion of clean contact material at conversion conditions to a reaction zone to form the upper surface of a gravitationally descending bed of such contact material in said reaction zone, supplying heavy petroleum stock to the upper surface of said bed by dispersing said stock as a spray onto descending contact material from a liquid distributing source above said bed, and introducing a second portion of the clean contact material from said supply zone at hydrocarbon conversion conditions into said descending bed directly at a level below the upper surface of the bed and in a transversely limited area directly beneath the liquid distributing source, thereby minimizing local concentrations of coke and unprocessed oil from liquid dripping in undispersed state upon the bed of contact material from said liquid distributing source under possible abnormal conditions.

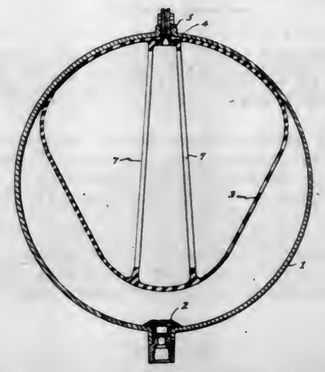


2,558,770

ACCUMULATOR

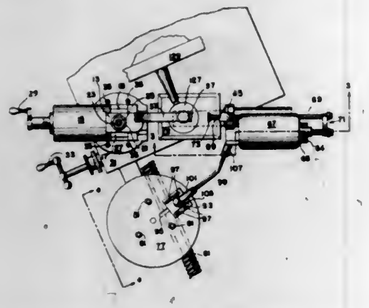
Jean Mercier, New York, N. Y.

Application October 24, 1945, Serial No. 624,112
In Canada February 7, 1944
10 Claims. (Cl. 138—30)



3. An accumulator comprising a shell having a port at each end of an axis thereof, a deformable diaphragm therein having its peripheral portion bounded to said shell symmetrically about said axis with the central portion of said diaphragm spaced from the corresponding port and a retaining band extending from said bonded portion to the central portion of said baglike diaphragm to prevent undue elongation of said diaphragm away from the bonded portion.

2,558,771
SPHERICAL GRINDING APPARATUS
Dennis A. Middaugh, Jersey City, N. J., and Walter M. Schichtell, Putnam Lake, N. Y.
Application July 23, 1947, Serial No. 763,124
3 Claims. (Cl. 51—55)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



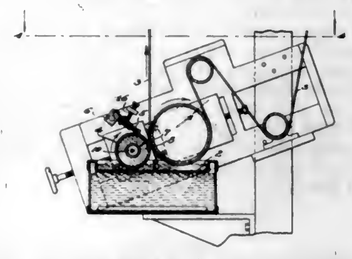
1. In a lathe having a driving means, a chuck carried in the headstock thereof and adapted to secure a workpiece on said lathe, a compound rest carrying a tool-feed carriage adapted to present a tool against such workpiece and a longitudinal-feed lead screw carried by said lathe and disposed parallel to the axis of rotation of said chuck, said chuck and lead screw being rotated by said driving means, a universal grinding attachment comprising a first yoke mounted on said carriage, a second yoke having legs pivoted on threaded studs mounted in the legs of said first yoke, said studs being adapted to elevate and depress said second yoke relative said first yoke, a grinding tool carried by said second yoke, means to rotate said grinding tool mounted on said second yoke, a disc having a radial slot mounted rotatably on said lathe, said disc being rotated by said lead screw, and a connecting rod secured in said slot and to said second yoke whereby said second yoke is oscillated on the axis of said studs.

2,558,772
INSECTICIDAL AND ACARICIDAL COMPOSITION COMPRISING PROPYLENE GLYCOL AND AN ALKALI AMMONIUM SELENO SULFIDE
Joseph B. Moore, Edina, Minn., assignor to McLaughlin Gormley King Company, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application June 21, 1948, Serial No. 34,350
5 Claims. (Cl. 167—14)

2. A water miscible spray composition for agricultural spraying purposes comprising propylene glycol and alkali ammonium seleno sulfide.

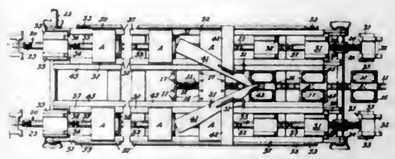
2,558,773
APPARATUS FOR CONTROLLING THE THICKNESS OF A COATING ON A TRAVELING WEB
Lorne B. Mulloy and Robert H. Thompson, Irondequoit, N. Y., assignors to The Haloid Company, Rochester, N. Y., a corporation of New York
Application March 6, 1948, Serial No. 13,398
4 Claims. (Cl. 91—10)

1. The combination with a coating material reservoir and coating roll mounted therein to receive a web which travels therearound, of a doctor roll having a hard surfaced polished periphery mounted opposite to said coating roll with its periphery spaced from the coating roll and web and adapted to contact the coating on the web, means



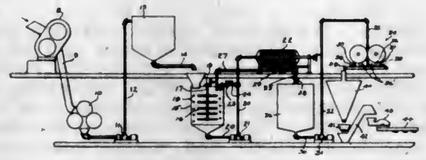
for driving the doctor roll at varying speeds in relation to the speed of travel of the web to regulate the thickness of the coating, and a scraper of flexible resilient material extending across the periphery of the doctor roll in advance of its point of contact with the coating.

2,558,774
DISCHARGE CONVEYER MECHANISM FOR ARTICLES
Ronald E. J. Nordquist, Maplewood, and Frank F. Borkmann, Union, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 14, 1947, Serial No. 748,040
4 Claims. (Cl. 198—33)



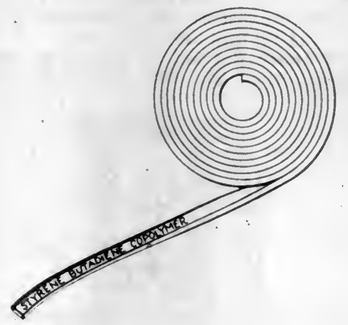
2. In a discharge conveyor mechanism for articles such as container bodies and the like, the combination of a feeding conveyor for advancing tubular container bodies in double file in upright position along a path of travel, a plurality of fixed spaced upstanding lugs on said conveyor engageable within said tubular bodies to hold the same in fixed upright position on the conveyor, a stationary deflector disposed in the path of travel of said bodies and engageable between said files of advancing bodies for shifting them in opposite lateral directions from said conveyor, a pair of fixed fulcrum rails disposed on opposite sides of said conveyor and cooperating with said deflector for engaging the bottom portions of said laterally shifted bodies and turning them from upright to horizontal position, an air blast nozzle disposed adjacent said deflector for directing a jet of air against the fulcrum engaged bodies to facilitate turning the bodies into horizontal position, and a pair of discharge conveyors disposed on opposite sides of said feeding conveyor for receiving the horizontally positioned bodies from said feeding conveyor and for discharging them from said mechanism.

2,558,775
PROCESS FOR TREATMENT OF SUGAR
Robert Thomas Northcutt, Westfield, and Robert Thomas Northcutt, Jr., Fanwood, N. J., assignors to Northcutt Research Corporation, New York, N. Y., a corporation of New York
Application July 31, 1946, Serial No. 687,414
6 Claims. (Cl. 127—30)



1. The method of manufacturing an essentially non-hygyroscopic solid sugar from sugar cane juice which comprises clarifying said juice to deodorize and decolorize the same, concentrating said juice to approximately a 60% solid content, heating said juice in a thin film at a temperature within the approximate range of 275° F. to 375° F. to rapidly dehydrate the same to a moisture content not exceeding approximately 2%, whereby intervening crystallization of any ingredients of the juice is prevented and the dehydrated product is converted to a molten state, solidifying said substantially anhydrous molten sugar and grinding the same.

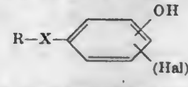
2,558,776
WELTING OF STYRENE-BUTADIENE COPOLYMER
Arthur R. Olson, Cambridge, and Edward B. McMillan, Salem, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 23, 1947, Serial No. 763,052
2 Claims. (Cl. 36—78)



1. An article of manufacture comprising a welt having a stitch receiving groove therein, said welt being formed of nonplasticized plastic composition, said composition including a major portion of styrene-butadiene copolymer with a styrene content of from 60 to 65 parts per 100 parts of the copolymer by weight, and fillers giving proper characteristics for welting, said fillers being calcium carbonate and calcium silicate.

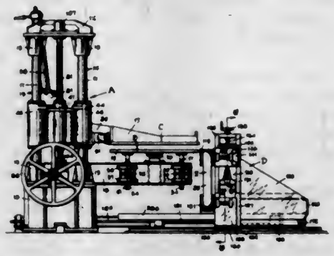
2,558,777
HALOGENATED HYDROXYSTILBAZOLES AND DERIVATIVES THEREOF
Domenick Papa, Brooklyn, N. Y., and Erwin Schwenk and Erwin Klingsberg, Montclair, N. J., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application October 15, 1946, Serial No. 703,282
13 Claims. (Cl. 260—289)

1. Compounds of the general formula



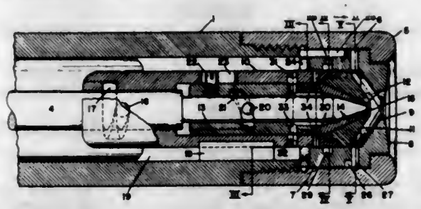
wherein R is a member of the group consisting of pyridine, quinoline and their lower alkyl monosubstitution products, X is an aliphatic hydrocarbon chain of two carbon atoms one carbon atom of which is attached to a carbon atom of the heterocyclic ring and the other carbon atom of which is attached to a carbon atom of the phenyl ring, and Hal represents a halogen of the group consisting of chlorine, bromine and iodine.

2,558,778
METHOD AND APPARATUS FOR CONTOURING SURFACES
John P. Pearse, Swanton, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 18, 1948, Serial No. 44,905
12 Claims. (Cl. 51—142)



10. The method of reproducing surface contours onto a work surface comprising moving an abrasive belt in two directions between a surface of the contour it is desired to reproduce and a work surface to be contoured.

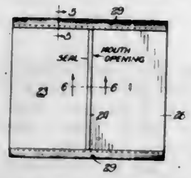
2,558,779
OIL BURNER
Joseph D. Pesce, Alexandria, Va.
Application August 9, 1945, Serial No. 609,901
2 Claims. (Cl. 299—118)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A burner for oil furnaces, comprising a tube; a plurality of nozzles, one fixed at an end of the

tube and the remaining telescoped within the tube; non-slidable, rotatable means operable from the opposite end of the tube for progressively moving the remaining nozzles into operating position adjacent said fixed nozzle, each nozzle when in operating position including a fixed volume whirling chamber and fixed area orifice defined by cooperating surfaces of the nozzles, and oil passages substantially tangential to each whirling chamber located in axially spaced planes, the fixed volume of each whirling chamber and the fixed area of its orifice being different from that of each other whirling chamber.

2,558,780
TOBACCO POUCH AND METHOD OF MAKING SAME
Thomas E. Piazze, Mount Vernon, Ohio, assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware
Application August 11, 1945, Serial No. 610,267
14 Claims. (Cl. 229—80)



5. In a pouch of the character described, which comprises a blank of heat-sealable material folded upon itself to provide front and rear walls for said pouch leaving a mouth closure and a closure member extending from said rear wall and being foldable across said mouth closure, and said rear wall having sealing flaps along each side thereof, the improvement comprising marginal portions of said sealing flaps being folded over upon themselves along opposite portions of the rear wall adjacent the front wall and along the closure member to provide a reinforced edge for each of said flaps and leaving a heat-sealable surface along the flaps, said sealing flaps being folded upon said front wall and sealed thereto along said heat-sealable surfaces, leaving said reinforced edge unsealed with respect to said front wall, a marginal portion along said mouth closure being folded upon itself to provide a reinforced edge therefor, and said front wall, after said pouch has been filled, being sealed across the mouth opening to the rear wall between the sealing flaps to provide an hermetically sealed pouch, and said sealing flaps being sealed along their heat-sealable surfaces to said folded over portion along said mouth closure, said marginal portions of said sealing flaps overlying said marginal portion along the mouth closure being unsealed.

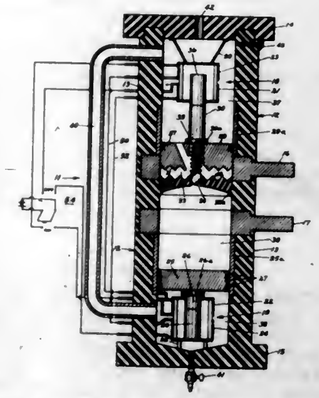
2,558,781
METHOD OF TREATING WATER-SWOLLEN POLYMERS
John D. Pollard, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 4, 1947, Serial No. 772,217
15 Claims. (Cl. 18—54)

1. The method which comprises precipitating a soluble, thermoplastic product of polymerization of a polymerizable mass comprising mainly acrylonitrile in approximately its desired shape from a water-coagulable solution thereof by contacting the latter with a liquid coagulant comprising water, said coagulant being at a temperature not exceeding +10° C. and said polymerization product being dissolved in a concentrated aqueous solution of a water-soluble salt which yields highly hydrated ions in aqueous solution, thereby to obtain a shaped, tough gel which can be molecularly oriented by wet stretching; stretching the precipitated, water-swollen, shaped product in the presence of moisture and at a temperature within the range of about 70° C. to about 110° C. to obtain a molecularly oriented product; and contacting the molecularly oriented product in water-swollen state with an aqueous liquid composition containing a humectant comprising at least one nitrogenous substance selected from the class consisting of urea and water-soluble, non-polymerizable, alkyl- and alkanol-substituted ureas, said humectant constituting from about 10% to about 90% by weight of the said liquid composition, but not exceeding a percentage which results in a completely saturated solution of the humectant.

2,558,782
CASTABLE REFRACTORIES
Temple W. Ratcliffe, Westfield, N. J., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
No Drawing. Application September 8, 1947, Serial No. 772,897
17 Claims. (Cl. 106—64)

16. A castable refractory mix comprising crushed alumina-silica grog selected from the group of high temperature calcined kaolin, bauxite and cyanite grogs, said grog being 70–85% by weight of the dry materials, crushed raw cyanite from 3–15% by weight, pulverized raw bonding clay from 2–8% by weight, and a high temperature calcium-aluminate cement substantially free from iron and silica compounds from 8–18% by weight.

2,558,783
SWITCH
Jean H. Robinson, Jr., United States Navy, and Riley D. Scott, United States Naval Reserve
Application August 24, 1945, Serial No. 612,519
14 Claims. (Cl. 200—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



11. An electric switch comprising a tubular container, fluid contact means in said container, a pair of annular contacts mounted flush with the inner wall of said container, piston means defining with said wall an enclosure for said fluid contact means, and means for moving said enclosed fluid contact means selectively to make and break electrical connection between said contacts.

2,558,784
Δ^{17}-20-CYANO-PREGNENE COMPOUNDS AND PROCESS FOR PREPARING THEM
Lewis Hastings Sarett, Princeton, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application October 7, 1947, Serial No. 778,465. Divided and this application September 22, 1948, Serial No. 50,668
5 Claims. (Cl. 260—397.3)

4. The process which comprises reacting 3-hydroxy - 11,20 - diketo-pregnane with hydrogen cyanide, reacting the cyanhydrin thus obtained with chromic acid thereby oxidizing the nuclear hydroxy substituent to a keto radical, and reacting the resulting 3,11-diketo-20-hydroxy-20-cyano-pregnane with phosphorus oxychloride in the presence of pyridine to produce Δ^{17}-3,11-diketo-20-cyano-pregnene.

2,558,785
20-CYANOPREGNENES AND PROCESS
Lewis Hastings Sarett, Princeton, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application February 18, 1949, Serial No. 77,268
16 Claims. (Cl. 260—397.4)

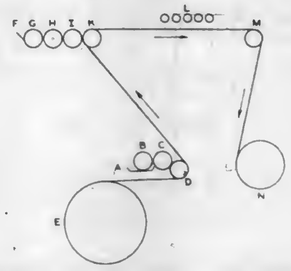
1. Δ^{17}-20-cyano-pregnenes having a 17-position substituent of the formula: $=C(CN)CH_2R$ wherein R is a radical selected from the class consisting of hydrogen, hydroxy and lower unsubstituted saturated aliphatic monocarboxylic acyloxy radicals, and having at least one nuclear substituent selected from the class consisting of keto, hydroxy and lower unsubstituted saturated aliphatic monocarboxylic acyloxy radicals.

2,558,786
PREGNANE 20-CYANOHYDRINS
Lewis H. Sarett, Princeton, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application September 22, 1948, Serial No. 50,668, which is a division of application Serial No. 778,465, October 7, 1947. Divided and this application July 20, 1950, Serial No. 175,021
5 Claims. (Cl. 260—397.4)

1. Pregnane compounds having both a cyano and a hydroxy substituent attached to the C–20 carbon atom.

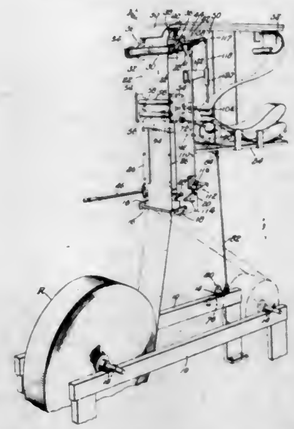
2,558,787
HARDENING PRINTED INK FILMS
Alfred F. Schmutzler, Teaneck, N. J.
Application April 4, 1945, Serial No. 586,548
1 Claim. (Cl. 101—416)

A method of improving the speed of hardening of a printed water sensitive ink film printed by a high speed rotary press on a rapidly moving web of fibrous material, which comprises moistening the surface of said fibrous material immediately prior to printing with ink comprising a coloring material, a water insoluble binder and a water miscible solvent, forthwith printing said web while a substantial portion of the moisture is at said surface, and immediately after printing, causing the evaporation of excess moisture at



the surface of the unprinted portion of the web to make it available for the thorough hardening of said ink film.

2,558,788
WEB-FLEXING APPARATUS
George S. Sillars, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Application April 16, 1948, Serial No. 21,423
5 Claims. (Cl. 242—55)

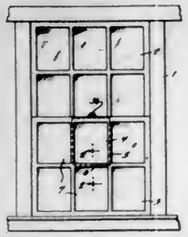


1. Web-feeding apparatus comprising a first supply roll support, a second supply roll support, cooperating feed rolls for drawing a web of material from a supply roll on either of said supports, means for flexing the web during its withdrawal from a roll on the second of said supports, means for separating said feed rolls to interrupt the feed of the web, and means operative in response to separation of said rolls for rendering said flexing means inoperative.

2,558,789
WINDOW WITH REMOVABLE PANE
Isaac D. Sillman, New York, N. Y.
Application December 5, 1945, Serial No. 632,943
12 Claims. (Cl. 20—56.2)

8. A window comprising a sash, a rectangular slidable pane, a frame fitted about the edges of said pane, said frame being cemented to said pane, a slot in a side of said sash, said pane being slidable through said sash slot, a flat spring lining on three of the sides of said sash, said lining having a compressible spring portion extending

into the space occupied by said pane frame when in closed position, said pane being adapted to



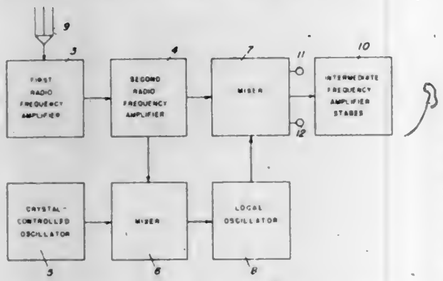
compress said spring portion when said pane is in closed position.

2,558,790

LOCAL OSCILLATOR FREQUENCY CONTROL FOR SUPERHETERODYNE RECEIVERS AND CONTROL DEVICES

Cecil E. Smith, Siloam Springs, Ark.

Application April 1, 1946, Serial No. 658,720
3 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. In a superheterodyne receiver, a signal input circuit, a relatively unstable local oscillator, a relatively stable oscillator oscillating at a predetermined frequency, means for combining the outputs of said circuit and said stable oscillator to produce a beat frequency signal, means for supplying said beat frequency signal to the input end of said local oscillator to provide frequency synchronization thereof at the beat frequency, and means for combining the outputs of said local oscillator and said circuit.

2,558,791

METHOD OF PRINTING THERMOPLASTIC SHEETS

Leland H. Smith and Frank M. Smith, Granville, N. Y., assignors to The Decora Corporation, Fort Edward, N. Y., a corporation of New York

Application November 5, 1947, Serial No. 784,118
1 Claim. (Cl. 154—99)



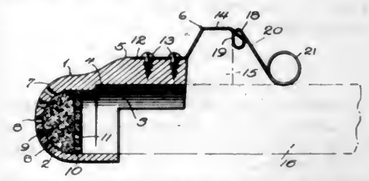
A process for the continuous printing of a flexible thermoplastic polyvinyl chloride sheet which comprises: printing a continuous, flexible, substantially non-elastic sheet having a substantially non-absorbable surface with an unplasticized printing ink composition comprising between approximately ten and approximately thirty parts by weight of a thermoplastic polyvinyl chloride resin having a softening point of not more than approximately ten degrees centigrade higher than the softening point of the polyvinyl chloride sheet that is to be printed; drying the print thereon; heating the sheet and print thereon to a temperature slightly above the softening temperature of the resin printing composition; contacting the resulting sheet having the print contained thereon with an unheated sheet of a flexible thermoplastic polyvinyl chloride; cooling the contacted sheets to approximately room temperature, and, stripping the non-elastic sheet from the printed thermoplastic sheet.

2,558,792

MUZZLE COVER FOR FIREARMS

John L. Snowden, United States Army, Wilmington, Del.

Application April 30, 1945, Serial No. 591,042
4 Claims. (Cl. 42—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Muzzle cover for a fire-arm with barrel, comprising a hollow body having a perforated end, a cylindrical side wall having an inner circumference equal to the outer circumference of the muzzle end of said barrel, a perforated circular plate in said cylindrical body spaced from said perforated end, the circumference of said plate exceeding the circumference of the bore of said fire-arm, a filtering medium confined in said body between said perforated end and said perforated plate, and resilient means on said body for releasably retaining said muzzle cover on said barrel and centering said filtering medium over said muzzle.

2,558,793

MIXTURES COMPRISING POLYACRYLONITRILE AND POLYVINYL FORMATE

Theodore E. Stanin and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 24, 1950, Serial No. 151,808
14 Claims. (Cl. 260—30.2)

6. A solution of a resinous composition consisting of from 60 to 90 per cent by weight of polyacrylonitrile and from 40 to 10 per cent by weight of polyvinyl formate in a solvent selected from the group consisting of N,N-dimethylformamide, N,N-dimethylacetamide, ethylene carbonate, ethylene carbamate, N-methyl-2-pyrrolidone, and γ-butyrolactone.

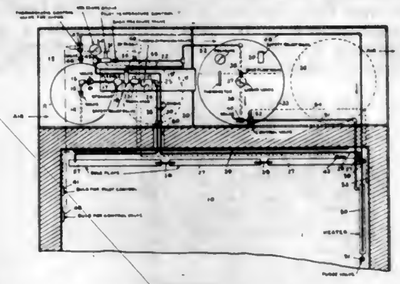
2,558,794

SYSTEM OF FUELLESS REFRIGERATION AND HEATING FOR CONTAINERS

Virgil Stark, New York, N. Y.

Application June 17, 1949, Serial No. 99,616
23 Claims. (Cl. 257—3)

20. In a combined refrigeration and heating system having separate heater and refrigerator sections for containers utilizing a supply of bottled liquid refrigerant under pressure, means for withdrawing vaporized refrigerant from said supply, an automatic device comprising thermostatic control valve means for admitting refrigerant vapor to the heater section when the tem-



perature in the container drops under a predetermined one and thermostatic control valve means for preventing admission of liquid refrigerant to the refrigeration section, said device automatically stopping and reversing the flow to said heater and refrigeration sections when said temperature rises.

2,558,795

BIRD ANIMAL FIGURE TOY

Arthur J. Stephens, Roswell, N. Mex.

Application March 14, 1950, Serial No. 149,505
4 Claims. (Cl. 46—107)



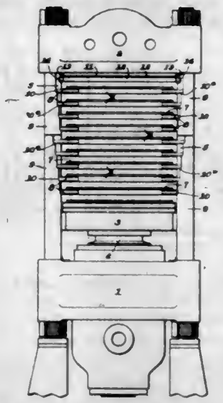
1. A pull toy comprising a substantially horizontal wheeled platform, a crank element arranged beneath the platform and connected with the wheels for rotation therewith, a group of separate spaced upstanding pegs mounted upon the top of the platform and projecting above the same, bird simulating blocks secured to the tops of the pegs, vertically swingable necks pivotally connected with the blocks and extending longitudinally of the blocks, the platform having a plurality of small openings, a forward substantially vertical rotatable peg journaled upon the platform near its forward end and extending above and below the platform, a bird simulating block secured to the top end of the rotatable peg, a vertically swingable neck pivotally secured to the last named block, a substantially horizontal arm secured to the bottom of the rotatable peg and disposed below the platform, longitudinally spaced aligned bearings secured to the bottom of the platform near the opposite ends of the platform, a longitudinal elongated reciprocatory rod journaled within the bearings and spaced near and below the platform, flexible elements connected with the vertically swingable necks of all of the blocks and extending through the small openings of the platform and connected with the reciprocatory rod below the platform, a connecting rod arranged beneath the reciprocatory rod and having its forward end pivotally connected with the reciprocatory rod and its rear end pivotally connected with the crank element, and a link connecting the connecting rod and said horizontal arm of the rotatable peg.

2,558,796

DEGASSING APPARATUS FOR PLATEN PRESSES

Thomas P. Tapper, Prospect Park, Pa., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania

Application April 9, 1948, Serial No. 20,063
3 Claims. (Cl. 144—281)



1. In a platen press of the type having a cylinder, a ram therein, a stationary crosshead, a plurality of vertically movable platens positioned between the ram and crosshead, and means for supporting said movable platens in spaced relation to each other when the press is in fully open position but adapted to allow the weight of such platens to remain on material between said platens when the press is partially open during a degassing operation comprising, in combination, a vertically floating platen disposed immediately below said crosshead and above the uppermost one of said movable platens, said floating platen being supported upwardly against the crosshead solely by the ram force so as to be freely separable from said crosshead and openly spaced therefrom when the press is open whereby said floating platen may follow down the other platens during said partial degassing opening of the press and thereby allow the weight of said floating platen to be maintained on the material between the floating platen and the uppermost one of said movable platens, and means for supporting the weight of the floating platen so that when the press is fully opened material may be removed from or inserted between the platens.

2,558,797

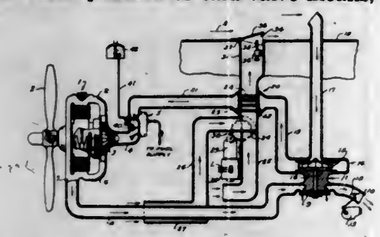
AIR INDUCTION SYSTEM FOR TURBO-SUPERCHARGED AIRCRAFT ENGINES, INCLUDING AIR INTERCOOLER AND AIR INTERWARMER

Edward C. Theiss, Dayton, Ohio

Application May 20, 1949, Serial No. 94,492
6 Claims. (Cl. 123—122)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An air induction system for an aircraft engine comprising, a supercharger for compressing atmospheric air, conduit means to conduct the supercharged air to the aircraft engine, a heat transfer unit interposed in said conduit means having an air induction path open to said conduit means and further including a heat transfer medium path therethrough, means for conducting atmospheric air to said heat trans-

fer unit, means for heating limited quantities of atmospheric air, means for conducting heated atmospheric air to said heat transfer unit, valve means settable in two extreme positions to direct said atmospheric air through said heat transfer unit along said heat transfer medium path in one position of said valve means and to direct said heated atmospheric air through heat transfer unit along said heat transfer medium path in the other position of said valve means, a second conduit means to conduct the heat transfer medium from said heat transfer unit to the atmosphere, and a pivoted flap extending over the outer end of said second conduit means to serve as a flow regulating valve and extending from the pivoted end thereof rearwardly of the aircraft to provide an aspirating means adapted when in open position to promote steady flow of said heat transfer medium through said heat transfer unit when the aircraft is in flight.



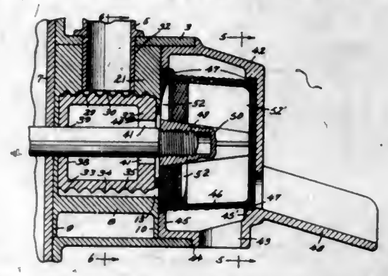
2,558,798
ELECTRICAL RESISTOR
Melvin A. Thom, Brighton, N. Y.
Application October 18, 1948, Serial No. 55,193
3 Claims. (Cl. 201—67)



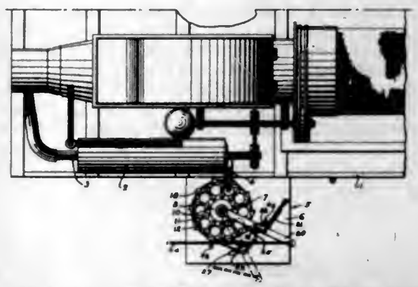
1. In combination, a rigid metal housing having an upper portion which has a longitudinal opening extending therethrough, a high-voltage electrical resistor having conductor wires extending centrally from the ends thereof, said resistor being mounted within said opening with the conductor wires extending centrally beyond the ends of said opening, said opening being of a size to fit closely about the resistor and the wall of said housing which surrounds said opening being of substantial thickness and entirely surrounding said opening, said housing having a base integral therewith for attachment to a support, said base having a greater thickness than said wall and being of a width throughout substantially as great as the width of said upper portion, and a body of electrically insulating material arranged around the resistor between it and the housing and entirely filling the space between the resistor and the housing and surrounding the conductor wires at the ends thereof adjacent to the resistor and covering the ends of the resistor.

2,558,799
ROTARY VEGETABLE JUICE EXTRACTOR HAVING SEPARATING MEANS
Matthew J. Thomas, Los Angeles, Calif.
Application May 7, 1946, Serial No. 667,863
1 Claim. (Cl. 146—76)

In a juice extractor having a macerator housing provided with longitudinally extending passages therein, the improvement comprising an axle extending through said housing having a macerator rotor thereon, a whipper and feed secured to said axle outwardly of said housing, said whipper and feed comprising a conical shaped core, radially extending wings on said core adjacent one end thereof, a helical worm feed on said core adjacent the other end thereof, a second housing for said whipper and feed carried by said first housing and concentric with said whipper and feed, a cylindrical screen in said second housing concentric with said whipper and feed and slightly spaced from the outer ends and edges of said wings, a juice outlet and pulp outlet for said second housing and the passages of said first housing communicating with said second housing to permit the passage of macerated material from said first housing to said second housing to be acted upon by said whipper and feed.

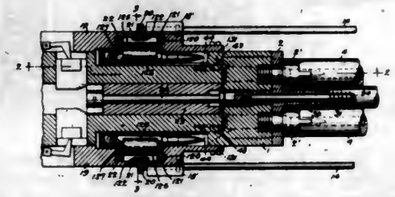


2,558,800
SAMPLE PACKAGING MACHINE
Fred H. Thompson, Iowa Park, and Wayland D. Keith, Wichita Falls, Tex.; said Keith assignor to said Thompson
Application December 11, 1945, Serial No. 634,383
4 Claims. (Cl. 226—61)



1. In a sample receiving and packaging machine for use with a sample machine, a base having an upstanding post, a rotatable element journaled on said post for rotation relative thereto, said rotatable element having a multiplicity of sample receiving chutes opening onto the upper surface thereof and each of said chutes having a sample container removably secured to the lower end thereof, said rotatable element having a notched periphery, a pawl for selectively engaging said notches, lever means for actuating said pawl, resilient return means for returning said lever means to starting position, adjusting posts for regulating the rotation of said rotatable member to properly position said sample receiving chutes in alignment with the discharge of said sample machine, means for actuating said lever means from a place remote from the sample receiving machine.

2,558,801
CARTRIDGE BELT FEEDING MECHANISM
Edwin H. Waltke, Los Angeles, Calif.
Original application December 15, 1943, Serial No. 514,359, now Patent No. 2,410,848, dated November 12, 1948. Divided and this application June 20, 1946, Serial No. 677,948
8 Claims. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



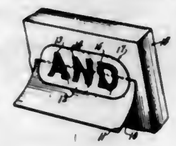
1. In a cartridge belt feeding mechanism for a multi-barrel machine gun provided with a receiver having recesses, a plurality of barrels fixedly mounted in the receiver, and a breech block reciprocable in said receiver and common to all the barrels, said mechanism comprising a stationary member attached to the barrels in advance of the receiver, belt feed rods journaled at their respective ends in said member and receiver, vertically reciprocable belt feed slides in the receiver recesses each slide being provided with a rack, a pinion fixed on each feed rod engaging a respective rack whereby when the pinions are oscillated, said slides will be reciprocated, and connections between the breech block and said rods, said connections comprising a breech block drive rod fixed to the breech block, at one of its ends, a cross-head fixed to the other end of said rod, and means on said cross head for oscillating said feed rods in response to reciprocation of said breech-block.

2,558,802
ICE TRAY AND GRID STRUCTURE
Kenneth T. White, Grosse Ile, Mich., assignor, by mesne assignments, to said Kenneth T. White, as trustee
Application March 15, 1945, Serial No. 582,905
9 Claims. (Cl. 62—108.5)



1. In combination with a freezing tray for use in a refrigerating unit, a removable grid structure comprising a partition extending longitudinally of said structure and having a relatively snug fit with the opposite ends of said tray, a series of pairs of transverse separators positioned in spaced relationship lengthwise of the partition and projecting laterally therefrom to form with said partition and tray walls ice block compartments on opposite sides of said longitudinal partition, pivot means connecting each of the pairs of separators to said longitudinal partition whereby to permit oscillating movement in opposite directions of each separator of a pair in a direction longitudinally of and relative to the longitudinal partition and about said pivot connecting means independently of the other separator of the said pair and of all of the other separators of the series, the movement of a separator in one direction longitudinally of the tray effecting the release and movement of a single ice block within a compartment without disturbing the position of the other ice blocks in the other compartments, each of said laterally projecting separators having stop means engageable with the upper edge of the longitudinal partition whereby to limit the extent of movement of the separator in both directions longitudinally of the grid structure, means on the separators for reinforcing and strengthening the same, each of said separators terminating at its lower edge in a gradually curved forwardly extending lip disposed in engagement with the bottom of the freezing tray when said separator is in its normal upwardly inclined operative freezing position, said pivot connecting means being located at one side of each pair of separators whereby the axis of oscillation of each separator or each pair of separators lies without the plane of the same.

2,558,803
TRANSFER SHEET AND METHOD
Charles Wittgren, Chicago, Ill., assignor, by mesne assignments, to Robert C. Brown, Jr., Highland Park, Ill., as trustee
Application October 28, 1946, Serial No. 706,201
6 Claims. (Cl. 117—3.4)



5. The method of transferring an image of dried film-forming material from a base to a transfer surface which comprises applying the film-forming material to a flexible, relatively smooth backing of polyethylene and permitting it to dry thereon, the backing being substantially insoluble in the film-forming material, whereby a mechanically disruptable bond is formed between said backing and said dried material, and then applying the image to said transfer surface by placing it face down against said surface while interposing between the image and the transfer surface an adhesive having greater adhesion than the mechanically disruptable bond between the image and the backing, whereby the image may be stripped from the backing without the use of solvents.

2,558,804
METHOD OF TRANSFERRING AN IMAGE AND TRANSFER SHEET THEREFOR
Charles Wittgren, Chicago, Ill., assignor, by mesne assignments, to Robert C. Brown, Jr., Highland Park, Ill., as trustee
Application September 13, 1947, Serial No. 773,852
7 Claims. (Cl. 154—98)

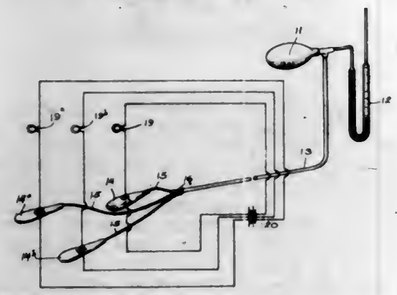
1. A transfer sheet comprising a base sheet of transparent, flexible, water-repellant material, and a transparent film of soluble material coated on the base sheet and having the characteristic of being incompatible therewith, whereby it may be readily separated from the base sheet by a stripping action although having a temporary adherence thereto, an image applied to the film,

and an adhesive applied over the image and in register therewith, said adhesive being relatively insoluble and unaffected by a solvent that will dissolve said film.



2. The method of transferring an image from one surface to another which consists in taking a casting sheet of water-repellant material, applying thereto a thin film of a water-soluble plastic material that is incompatible therewith but which has the quality of being able to receive a lacquer or printed image, applying the image to the film, applying a water-insoluble adhesive in register with the image, moistening the adhesive and applying the image to the final support surface, and then stripping the base sheet from the plastic film, then washing the applied image with water to dissolve the plastic film.

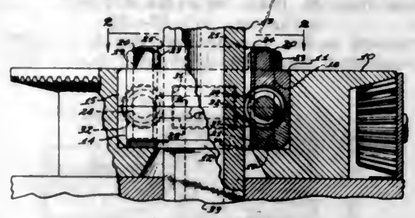
2,558,805
PRESSURE MEASURING
Constantin P. Yaglou, Belmont, Mass., assignor to the United States of America as represented by the Secretary of War
Application August 9, 1946, Serial No. 689,344
8 Claims. (Cl. 73—172)



3. An apparatus for measuring the pressure inside a garment, comprising an inflatable bladder, a pair of contacts supported inside said bladder in contact with each other when said bladder is deflated and out of contact with each other when said bladder is inflated, said contacts being connected to an electric circuit, indicator means in said circuit, pneumatic pressure applying means for inflating said bladder and operably connected to the same, and a manometer scale associated with said pneumatic pressure applying means.

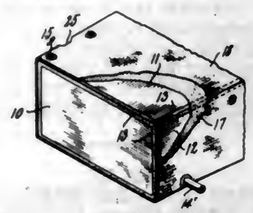
2,558,806
KELLY BUSHING
Walter A. Abegg, Los Angeles, Calif., assignor, by mesne assignments, to Abegg & Reinhold Co., Los Angeles, Calif., a corporation of California
Application March 17, 1947, Serial No. 735,152
14 Claims. (Cl. 255—23)

1. A Kelly bushing having an outer configuration to seat within and positively engage a rotary table and being formed with a central opening therethrough to accommodate a kelly, said bushing being formed in two complementary sections abutting each other along a plane normal to the central axis of the bushing, complementary recesses in the abutting faces of said sections accommodating roller pins and rollers, the axes of



which lie in the parting plane of the two sections with the rollers disposed with longitudinal contacting faces in engagement with the faces of the kelly, said contacting faces lying along chords of the circle defining the opening through the bushing, and means securing said bushing sections together.

2,558,807
METHOD OF MAKING FLEXIBLE FUEL TANKS
Robert E. Bailey, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 24, 1947, Serial No. 730,647
3 Claims. (Cl. 154—83)

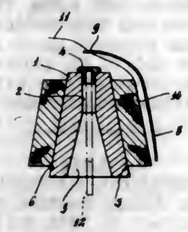


3. The method of making a non-metallic tank for liquid fuel having a seamless inner liner, which includes the steps of providing a hollow molding form having the shape to be imparted to the fuel tank, covering the meeting edges of the form with an all plastic tape about one hundredth of an inch thick and adhered thereto so as to straddle the edges and made of highly plasticized rubber material, depositing successive films of rubber cement over the form and tape to produce an all plastic fuel resistant liner for the tank in which the tape and films merge and provide added thickness at the edges, covering this liner with a strong protecting layer of sheet material, curing the rubber materials, and then freeing the form from the liner and collapsing the form and removing it through an opening in the tank.

2,558,808
CONICAL SPOOL COMBINED WITH THREAD GUIDE AND AXIAL RECEPTACLE
Morris Becker, Laurelton, N. Y.
Application July 19, 1947, Serial No. 762,081
4 Claims. (Cl. 242—128)

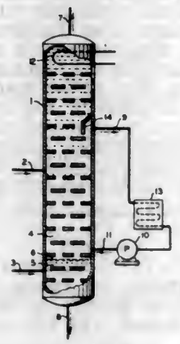
1. A conical spool with thread guide and axial receptacle comprising a cone having an axial bore which is partially conical and partially cylindrical, a plug having an upper rim portion which is larger in diameter than the cylindrical

bore portion of said cone and having a lower portion which fits tightly into said cylindrical bore portion and which is provided with a bore adapted for pivotally engaging the upper extremity of a spool-holding spindle, and a thin rod being secured to the lower portion of said cone and being extended therefrom radially to a



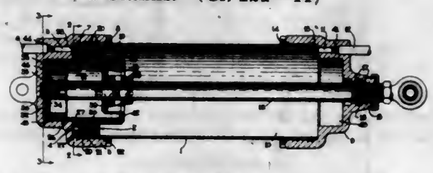
point which is beyond the outer layer of thread normally wound upon the cone, and being bent upwardly from said point to the top portion of the cone and from thence being curved laterally and upwardly to a point above the center of the cone where the extremity of said rod is shaped as a loop.

2,558,809
FRACTIONATION OF REDUCED CRUDE OIL
Bruce C. Benedict, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 23, 1948, Serial No. 66,995
8 Claims. (Cl. 196—14.46)



1. In the propane fractionation of lubricating oil constituents from low asphalt-content reduced crude lubricating oil stocks with liquid propane wherein solid asphaltic material precipitates upon initial contact with the propane and adheres to and plugs the fractionating apparatus in the region adjacent and below the raw feed entry point, a process for continuously carrying out this fractionation operation without precipitating said asphalt and plugging said apparatus comprising maintaining a body of liquid propane containing oil in solution in a contacting zone, introducing said oil stock into said body of propane at midpoint thereof, maintaining a body of an oil-rich phase below said body of propane in said zone, said body of propane and said body of oil-rich phase meeting at a common interface, introducing liquid propane into said body of oil-rich phase, removing propane containing oil in solution from a point above the feed stock introduction point of said zone, introducing said removed propane containing oil in solution into said zone at a point near the bottom of said zone but above and adjacent said interface, withdrawing propane containing oil in solution from the top and withdrawing oil-rich phase from the bottom of said zone as products of the process.

2,558,810
FLUID PRESSURE MOTOR HAVING A CHECK FOR TERMINAL OPERATION THEREOF
Arthur J. Bent, Penn Township, Allegheny County, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 22, 1947, Serial No. 762,770
2 Claims. (Cl. 121—44)

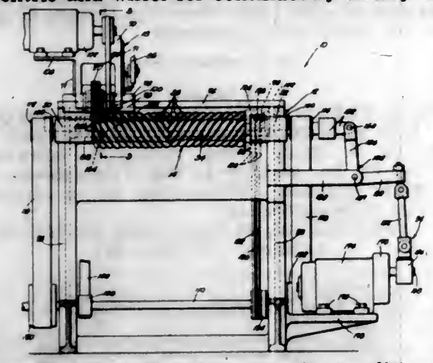


1. In a compressible fluid pressure motor, a cylinder having an end wall with a recess therein open to the interior of the cylinder, a piston member slidably mounted in said cylinder and comprising a cylindrical portion adapted to effect a dashpot action in said recess whereby compressible fluid under pressure in said recess flows at a restricted rate to said cylinder, a supply communication through which compressed fluid is admitted to said cylinder to act on one side of said piston member, an exhaust communication in said cylinder exteriorly of said recess through which compressible fluid at the other side of said piston member is vented from the cylinder at a relatively fast rate, a piston slidably mounted in said cylindrical portion and movable relative to said piston member after the piston member has completed the dashpot action at the end of its stroke, one communication in said cylindrical portion through which fluid displaced by the movement of said piston may flow from the piston member to said recess, another communication in said cylindrical portion of smaller flow area than that of said one communication through which compressed fluid at said one side of the piston member flows into said piston member at the other side of the piston to compensate for the displacement of the piston, and a piston rod operatively connected to said piston whereby force is transmitted to said rod during the first portion of the travel of said rod and then its movement is resisted for the remainder of the travel.

2,558,811
APPARATUS FOR FACING LEATHER OR THE LIKE
Harold A. Bernard, Gloversville, N. Y., assignor to G. Levor & Co., Inc., New York, N. Y., a corporation
Application July 20, 1949, Serial No. 105,710
1 Claim. (Cl. 69—38)

In apparatus for shaving sheets of leather or the like, the combination of a rotary and axially reciprocatory wheel having on its periphery cutting blades extending obliquely to the wheel axis, a support on which a leather sheet is movable past said wheel in uniform cutting engagement with the blades thereof, a grinder reciprocable throughout the axial extent of said wheel in engagement with the cutting blades thereof to sharpen the latter, means for driving said wheel, means for reciprocating said grinder, a driven

eccentric, and a driving connection between said eccentric and wheel for continuously axially reciprocating the latter through a shorter distance and at a higher rate of speed than said grinder.



2,558,812

RESIN AND PROCESS FOR ITS MANUFACTURE BY CONDENSATION OF A PHENOL, AN ALKYL AROMATIC HYDROCARBON, AND A POLYENIC HYDROCARBON

Herman S. Bloch, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application October 24, 1947, Serial No. 782,022
9 Claims. (Cl. 260—62)

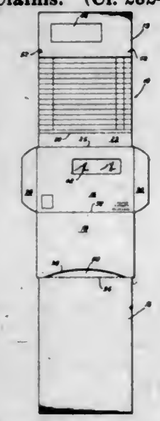
3. A process for producing a synthetic resin which comprises reacting from about 5 to about 25 mole per cent of a phenol having at least two nuclear hydrogen atoms, from about 25 to about 45 mole per cent of an aromatic hydrocarbon having at least two nuclear hydrogen atoms and an alkyl group of not more than two carbon atoms, and from about 50 to about 60 mole per cent of a conjugated aliphatic diene hydrocarbon in the presence of an acidic catalyst comprising at least 90% by weight of hydrogen fluoride.

2,558,813

COMBINATION MANIFOLD FORM AND ENVELOPE

Hyman Brechner, Tuckahoe, N. Y.

Application December 20, 1948, Serial No. 66,351
10 Claims. (Cl. 282—25)



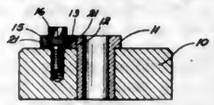
8. A combination manifolding and mailing envelope device comprising original and duplicate writing sheets and front and rear envelope panels, said envelope panels being joined by a fold line and one of said writing sheets being detachably joined to each of said envelope panels through the medium of respective perforate lines, a gummed flap intermediate one of said writing sheets and its respective envelope panel, the respective perforate line being disposed intermediate said sheet and flap, including a slot provided in said rear envelope panel and extending intermediate the ends of the perforate line joining said panel to its respective writing sheet for inserting papers into said envelope.

2,558,814

JIG BUSHING RETAINER

Ottis R. Briney, Pontiac, Mich.

Application January 29, 1949, Serial No. 73,548
2 Claims. (Cl. 77—62)



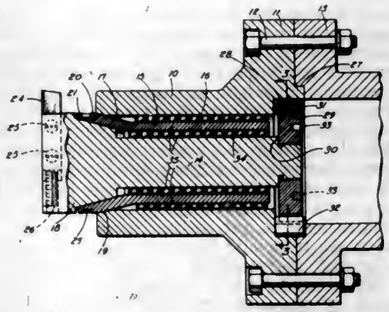
1. In combination with a jig bushing embodying a cylindrical body having an axial bore therein, and an enlarged head having an arcuate recess in the edge of the upper face thereof, a retainer therefor comprising a cylindrical body having an axial bore therein for the reception of a clamping screw and having an arcuate recess in the edge of the lower face thereof, the circular side wall of the head of the bushing subjacent the arcuate recess therein being seated in the arcuate recess in the edge of the lower face of said retainer to restrain rotational movement of the retainer, and the circular side wall of the retainer superjacent the arcuate recess therein being seated in the arcuate recess in the edge of the upper face of the head of the bushing to restrain rotation of the bushing, and a screw in the bore in said retainer to restrain transaxial movement thereof and effect impingement of the contiguous walls that define the recesses in the bushing and retainer.

2,558,815

BORING TOOL STRUCTURE

Ottis R. Briney, Jr., Pontiac, Mich.

Application March 15, 1950, Serial No. 149,794
11 Claims. (Cl. 279—6)



3. A boring head comprising a housing having an axial bore therein, an eccentric tubular sleeve in said bore, a boring bar in said sleeve, antifriction bearings intermediate said bar, said sleeve, and the housing and sleeve, a cutter in said bar, a conical bearing seat in the end of said housing, a conical bearing in the end of the sleeve engaged therewith, a conical bearing seat in the end of said sleeve, a conical bearing adjacent the end of said bar engaged with the seat in said sleeve, a nut on the inner end of said bar, springs intermediate said nut and said housing for the retention of the conical bearings upon their respective seats, and a key intermediate said nut and said housing.

2,558,816

FLUID MIXING DEVICE

Hendrik Bruynes, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application August 16, 1947, Serial No. 769,042
7 Claims. (Cl. 138—37)



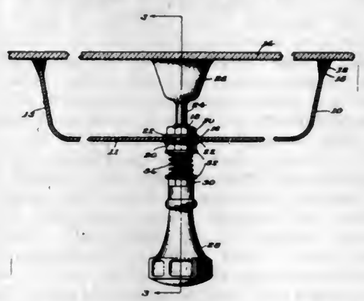
1. In combination, a fluid flow confining passage, and means for setting up a plurality of vortices in the fluid stream flowing through said passage about axes generally parallel with the direction of fluid flow, said means comprising a plurality of blades of airfoil cross section projecting from the wall of said passage into said stream at spaced points about its periphery and terminating in blade tips located in said stream adjacent the imaginary surface separating the boundary layer and main stream flows, said blades having their chord lines inclined relative to the stream flowing through said passage to set up vortices trailing from said blade tips.

2,558,817

SNOW, ICE, AND FROST SHIELD FOR WINDSHIELDS

Edmond V. Bryant, Cleveland, Ohio

Application May 8, 1946, Serial No. 668,260
1 Claim. (Cl. 296—84)



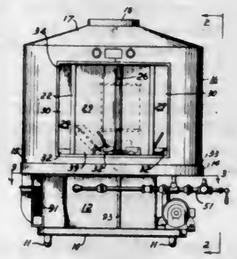
In a snow, ice and frost shield for windshields having a pan shaped opaque body provided with a rubber gasket on the marginal edge thereof, the improvement comprising means for retaining said body in position on the windshield of a motor vehicle and said means including, a threaded nipple mounted in the body centrally thereof, retaining means on the nipple on opposite sides of the body to retain the nipple in the body, a pair of washers on the nipple intermediate of the retaining means and the body, a shaft slidably mounted in said nipple, a vacuum cup on the inner end of the shaft to contact said windshield and a knob on the opposite end of the shaft to force said vacuum cup into contact with said windshield, a second pair of washers on said shaft intermediate of said knob and one of said retaining means, and a spring on said shaft intermediate of said second pair of washers adapted to urge said knob away from said body to move said shaft to draw said vacuum cup within said body after said body has been removed from said windshield.

2,558,818

ROTARY CAN WASHER

Willard S. Campbell, Hampshire, Ill., assignor, by mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware

Application August 19, 1940, Serial No. 353,240
7 Claims. (Cl. 134—53)



3. In a rotary can washer a tank for wash water, a housing in which to wash a can, said housing being superimposed and supported upon said tank and laterally overhanging a portion of said tank, a plurality of stationary partition means dividing the lower portion of the interior of said housing into a feed and discharge division, a pre-rinse division, a wash division, a sterile rinse division and a drying division, means for supplying cold water into the housing above the pre-rinse division, means for supplying water with a cleansing agent from said tank for wash water into the housing above the wash division, means for supplying hot water and steam into the housing above the sterile rinse and steam division and means for providing drying air into the housing above the drying division, a spider within said housing and adapted to removably support a plurality of containers and covers, and means for continuously rotating said spider so that said containers and covers may be continuously treated while moving continuously over said divisions, said means for supplying cold water into the housing above the pre-rinse division including a header, a whistle valve attached to and adapted to control the flow of liquid through said header and means operable by a container carried on said spider for actuating said whistle valve as the container is carried over the valve by said spider.

2,558,819

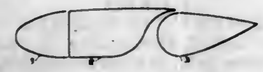
AIRFOIL STRUCTURE AND METHOD OF MAKING SAME

Gaston Chausson, Asnieres, France, assignor to Societe Anonyme des Usines Chausson, Asnieres, France, a company of France

Application November 30, 1945, Serial No. 631,888
In France October 19, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 19, 1963
11 Claims. (Cl. 244—124)

1. A box-like airfoil structure for an aircraft, comprising, in combination, a leading edge mem-

ber formed of a single covering metal sheet, longitudinal stiffeners and transverse half-ribs secured on the inner face of said sheet, the middle part of said sheet being curved so as to bring together parts of said half-ribs, means connecting said parts of said half-ribs at least in one place, and a middle box formed of two elements consisting one of the upper and the other of the lower covering, each of said coverings being provided on their inner face with longitudinal stiffeners and transverse half-ribs, and means connecting adjacent parts of said half-ribs.



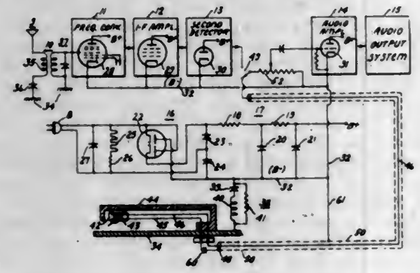
11. The method of forming an airfoil structure which comprises providing a single cover sheet of selected size, securing half-ribs to the opposite end portions of said sheet and in spaced end-to-end relation to leave the middle portion of said sheet unobstructed, bending said sheet along its unobstructed middle to form the leading edge of the structure and to position said half-ribs in superimposed contacting relation with said sheet, end portions spaced to form the airfoil surfaces, and securing said contacting half-ribs together in at least one place.

2,558,820

CIRCUIT FOR PREVENTING SHOCK IN TRANSFORMERLESS RADIO-PHONOGRAPHS

Oliver F. Cheney, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application October 30, 1947, Serial No. 783,116
5 Claims. (Cl. 179—100.11)



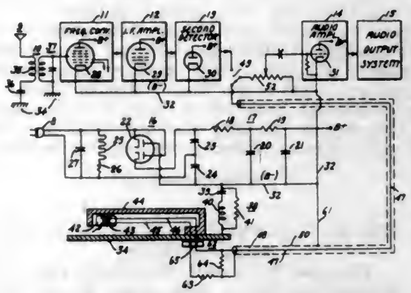
1. In a radio-phonograph comprising a plurality of vacuum tubes having at least anode, cathode and control grid electrodes; a phonograph pickup; means coupling said pickup to the cathode and control grid electrodes of one of said tubes, said means including a first conductor and a second conductor, a portion of said first conductor being in the form of and functioning as a shield for at least a portion of said second conductor; a conductor common to the cathode circuits of said tubes; low impedance means for energizing said tubes from electric supply mains, said means including a conductive connection between said supply mains and said common cathode conductor; an electrically conductive chassis upon which various components of said radio-phonograph are mounted; and frequency-discriminating means connected between said common cathode conductor and said chassis, said frequency-discriminating means having a relatively low impedance to currents of radio and intermediate frequency and a relatively high impedance to currents of supply-mains frequency, said impedance at supply-mains frequency being sufficient to prevent a flow of current of shock-hazard proportion between said common cathode conductor and said chassis in the event that supply-mains voltage is impressed therebetween; the improvement which comprises the provision of a connection between said common cathode conductor and said shield, said connection offering sufficiently low impedance to supply-mains frequency to prevent the development across said connection of voltages of appreciable magnitude at supply-mains frequency; and a capacitor connected in series with said first conductor between said phonograph pickup and said shield, said capacitor having such value that its impedance at most audio frequencies is low relative to the impedance of said phonograph pickup, said capacitor impedance being sufficiently high at supply-line frequency to prevent a flow of current of shock hazard proportion therethrough in the event that supply-line voltage is impressed thereacross.

2,558,821

PHONOGRAPH CIRCUIT HAVING SHOCK PREVENTION MEANS

Oliver F. Cheney, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application July 9, 1948, Serial No. 37,742
5 Claims. (Cl. 179—100.11)



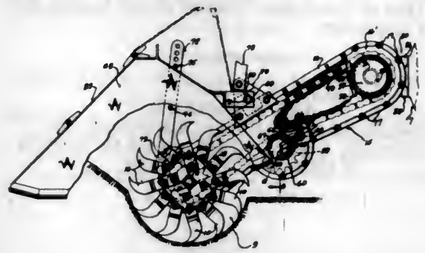
1. In a radio phonograph comprising: a plurality of vacuum tubes having at least anode, cathode and control electrodes; a phonograph pickup; means coupling said pickup to the control electrode of one of said tubes, said means including a first conductor, a second conductor and a shield for at least a portion of said first conductor; a conductor common to the cathode circuits of said tubes; low impedance means for energizing said tubes from electric supply mains, said means including a conductive connection between said supply mains and said common cathode conductor; an electrically conductive chassis upon which various components of said radio-phonograph are mounted; and a connection between said common cathode conductor and said chassis, said connection having relatively low impedance to currents of radio and intermediate frequency and relatively high impedance to currents of supply-mains frequency, said impedance at supply-mains frequency being sufficient to prevent a flow of current of shock-hazard proportion between said common cathode conductor and said chassis in the event that supply-mains voltage is impressed therebetween; the improvement which comprises the provision of a connection between said common cathode conductor and said shield, said connection offering sufficiently low impedance to supply-mains frequency to prevent the development across said connection of voltages of appreciable magnitude at supply-mains frequency; and a resistance connected between said phonograph pickup and said shield, said resistance being sufficiently high to prevent a flow of current of shock-hazard proportion therethrough in the event that supply-line voltage is impressed thereacross.

2,558,822

DEPTH CONTROL HOOD MECHANISM FOR SOIL-WORKING ROTORS

Walter E. Claus, Milwaukee, Wis.

Application August 9, 1945, Serial No. 609,818
3 Claims. (Cl. 97—40)



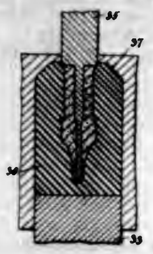
1. In a ground working implement of the character described: a rotor having ground working tines; a boom structure in one end of which the rotor is journalled; means on the boom structure remote from the rotor for attaching the same to a tractor in a manner allowing free up and down movement of the end of the boom structure in which the rotor is journalled; a hood positioned over the rotor; means connecting the hood with the boom structure in a manner allowing limited relative up and down movement between the hood and the rotor; and a lost motion connection between the hood and the rotor for limiting downward movement of the rotor with respect to the hood whereby the hood riding on the ground and acting through said lost motion connection may determine the depth to which the rotor digs.

2,558,823

APPARATUS FOR MOLDING ARTICLES

Henry L. Crowley, South Orange, and Arthur M. Hossenlopp, Maplewood, N. J.

Application May 27, 1949, Serial No. 95,803
8 Claims. (Cl. 18—16)



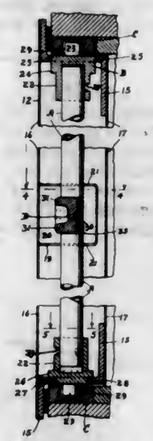
2. Apparatus for molding articles from moldable material to a predetermined shape and size, comprising a mold body of a yieldable material which has flow characteristics within its elastic limit when subjected to molding pressures, said mold body having a mold cavity formed therein of a size larger than said predetermined size and a shape similar to the shape of the articles to be molded, such that when subjected to pressure in molding an article, the flow of the material of said mold body will cause a reduction of the cavity therein to said predetermined shape and size, means formed of relatively non-yielding material for laterally confining said mold body, means formed of relatively non-yielding material for closing the ends of said laterally confining means, at least one of said end closing means being axially movable in respect to said laterally confining means for applying axial pressure for molding an article, said mold body having at least one beveled surface on its exterior arranged to engage a similarly beveled surface formed on a portion of relatively non-yielding material, said portion being a part integral with said means for laterally confining said mold body, the similarly beveled surface formed on said portion facing in the direction of one of said end closing means which is axially movable as aforesaid, this movable end closing means cooperating with said beveled surfaces to convert a part of the solely axial pressure applied through the removable end closing means to lateral force for causing a lateral flow of a part of said mold body toward the mold cavity therein.

2,558,824

DOOR FASTENER

George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

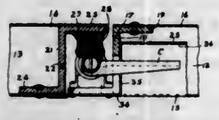
Application January 13, 1947, Serial No. 721,707
2 Claims. (Cl. 20—21)



1. In a hinged door construction, the combination with a door member having spaced front and rear walls and top and bottom horizontal walls connecting said spaced walls; of a rotatable operating bar having keeper engaging end members fixed to opposite ends thereof adapted to cooperate with fixed keepers, said bar being arranged vertically in the space between said front and rear walls of the door and having the end members thereof extending through and journaled in bearing openings provided in said top and bottom walls of the door; and an annular supporting flange on said lower end member having shouldered engagement with said bottom wall of the door to support said end member and

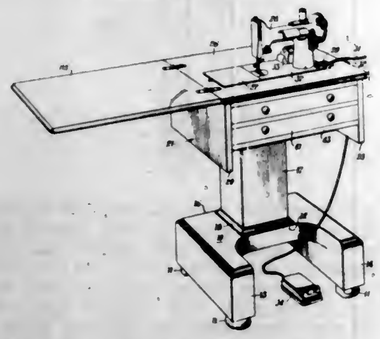
bar against downward displacement, said bearing opening in said top wall of the door being of a greater diameter than the diameter of said annular flange of said lower end member to permit endwise insertion of said bar and attached end members through said opening into the space between the front and rear walls of the door.

2,558,825
DOOR FASTENER FOR HINGED DOORS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 1, 1947, Serial No. 731,856
3 Claims. (Cl. 20—21)



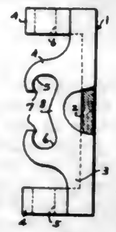
2. In a door construction, the combination with a door hinged along its vertical outer edge, said door having a lengthwise extending projecting flange along its inner edge; of a second door hinged along its vertical outer edge, said door having a lengthwise extending projecting flange along its inner edge underlying the flange of said first named door when the doors are closed; a vertically disposed, elongated, rotary operating bar for forcing said doors closed, mounted on the inner side of the flange of said first named door, said bar being journaled in bearing brackets fixed to the inner side of the flange of said first named door; and a vertically extending, elongated strip of resilient material fixed to the outer side of the flange of said second named door, said strip being engaged directly by said bar when the doors are closed.

2,558,826
SEWING MACHINE SUPPORTING CABINET WITH COLUMN STAND
William A. Davidson, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 21, 1945, Serial No. 629,960
1 Claim. (Cl. 312—239)



A sewing cabinet adapted for use in supporting a sewing machine having, in combination, a base including a top wall and laterally spaced side walls, said top wall being spaced a substantial distance above the lower edges of said side walls and having the front portion thereof cut away to provide a forwardly-open U-shaped clearance recess, said clearance providing space for the feet of an operator, a supporting column rising from said top wall of said base substantially medially between the side walls thereof, a box-like sewing-cabinet-head supported by the upper end of said column and overhanging said forwardly-open U-shaped clearance recess, a substantially full-length forwardly opening upper drawer slidably mounted in said cabinet-head, a forwardly opening lower drawer slidably mounted in said cabinet-head, said lower drawer being shorter from front to rear than said upper drawer and being capable of being pushed farther into said cabinet head than said upper drawer, thereby providing a knee receiving recess, and a stop-plunger mounted on the cabinet-head and contacting a portion of said lower drawer to releasably hold the lower drawer with its front face in substantially vertical alignment with the front face of the upper drawer in the closed position of the latter.

2,558,827
ASH RECEIVER
Benjamin H. de Haven, Pittsburgh, Pa.
Application August 9, 1947, Serial No. 767,676
1 Claim. (Cl. 131—240)



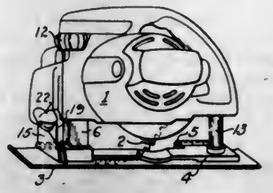
An ash tray having a flat side wall having a duplex cigarette rest thereon comprising a pair of cigarette supporting elements aligned in mutually spaced opposed relation, each of said elements having a recess for receiving and engaging a cigarette placed therein, said recesses extending transversely of the top of said side wall, and having openings disposed inwardly toward each other and an upwardly extending projection centrally disposed intermediate said openings, the bottom of the recesses inclining toward said projection for directing a cigarette into the respective recesses.

2,558,828
DRAWING PEN
Marco A. Llaneras de Sierra, Habana, Cuba
Application October 6, 1947, Serial No. 778,185
In Cuba November 21, 1946
1 Claim. (Cl. 120—109.5)



A pen having a substantially conical body, an elongated internally threaded open ended cylindrical projection of reduced diameter relative to said body extending from one end of the body, the other end of the body tapering to a point forming the writing end of the pen, said body being hollow for substantially two-thirds of the length thereof starting at the first mentioned end of the body and the body opening into said cylindrical projection, the writing end of the pen having relative thickness to form the substantially solid one-third portion of the body, the substantially solid portion of the body having an axially disposed conduit therethrough for flow of writing fluid from the hollow portion to the writing end of the body, said body having a constantly unobstructed aperture in the hollow portion thereof formed therein a greater distance from the solid part of the body than from the first mentioned end of the body for flow of writing fluid into the body when the pen is immersed in a body of writing fluid, the aperture being of substantially pear shape, and the remaining walls of the body being imperforate, and a handle for the pen threadedly received in said cylindrical projection.

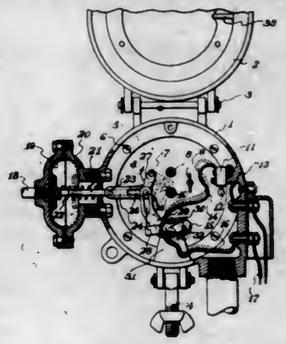
2,558,829
ROTARY POWER HANDSAW WITH QUICK LOCKING ADJUSTMENTS
Francis D. Dolan, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio
Application July 7, 1950, Serial No. 172,423
5 Claims. (Cl. 143—43)



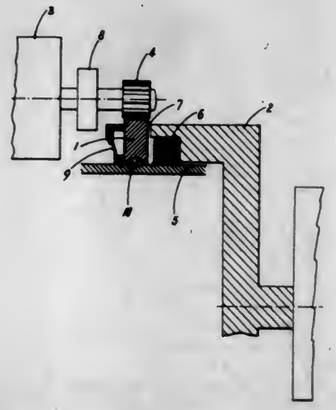
1. In a rotary power hand saw including a base plate, a top plate hinged thereon, a guide post rising from said top plate for tilting adjustment therewith, a saw and power carrying body frame mounted on said post for adjustment lengthwise thereof, and a screw adjusting means connecting said post and frame, the combination of an arcuate member on said base plate, and means having cooperating members, one coacting with said post and the other with said arcuate member and operable to clamp both said parts to prevent movements of the body frame relative thereto and also operable to release said parts.

2,558,830
PRESSURE AND TIME CONTROLLED CIRCUIT MAKER AND BREAKER
Phillips B. Drane and Clarence D. Laidley, Tulsa, Okla.
Application October 27, 1949, Serial No. 123,884
6 Claims. (Cl. 200—81.5)

1. A pressure and time controlled circuit maker and breaker comprising a casing, a time mechanism within said casing, said mechanism having a spring actuated shaft, an arm carried by said spring actuated shaft, the outer end of said arm having a lateral lug, a rock lever below the arm, said rock lever having an upwardly extending slotted arm through the slot of which said lateral lug extends, a mercury switch mounted on said rock lever, a diaphragm casing, a diaphragm in said casing and against one side of which pressure acts, a diaphragm controlled rod extending into the casing, a link carried by said rod and extending towards the arms, said lateral lug extending through an elongated slot in the link, said link forming means whereby said rock lever and spring actuated shaft arm are simultaneously moved inwardly for opening a circuit through the mercury switch upon inward movement of the diaphragm controlled rod.

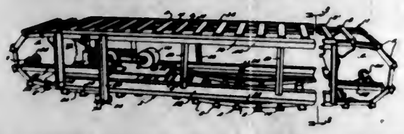


2,558,831
ENGINE STARTER FOR AUTOMOTIVE VEHICLES
Georges Levesque Du Rostu, Paris, France, assignor to Societe Anonyme Andre Citroen, Paris, France, a French corporation
Application March 14, 1950, Serial No. 149,533
In France March 15, 1949
3 Claims. (Cl. 74—7)



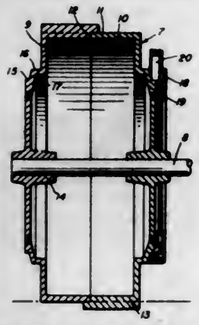
1. A device for starting the engines of motor road vehicles and like engines comprising a starting motor and means for connecting said starting motor to the flywheel of the engine to be started, said means comprising a shaft driven by the starting motor, a pinion mounted on said shaft, a toothed ring arranged coaxially with said flywheel and permanently engaging said pinion, said ring being slidably mounted in an axial direction, a fixed magnetic winding, a drum also arranged coaxially with said flywheel and supporting said winding between said flywheel and said toothed ring, and means for energising said winding to move said toothed ring into a position in which it is locked to said engine flywheel, thereby operatively connecting said starting motor to said engine flywheel.

2,558,832
CONVEYER MECHANISM
John A. Eriksson, Detroit, Mich.
Application March 25, 1947, Serial No. 737,125
2 Claims. (Cl. 198—137)



1. A conveyer comprising an endless carrier, a pair of substantially parallel generally channel-shaped upper rails having inner and outer sets of tracks along one flange thereof, a pair of substantially parallel lower rails having a set of tracks, a first set of rollers on said carrier at spaced intervals therealong and operable to engage said inner set of tracks of said upper rails, a second set of rollers on said carrier spaced outwardly of said carrier from said first set and operable to engage said outer set of tracks of said upper rails and to engage said set of tracks of said lower rails, the rollers of said second set being spaced at less frequent intervals about said carrier than the rollers of said first set, means for moving said carrier along said pairs of rails, and a longitudinally extending raised portion on said one flange of each of said upper rails separating the said inner and said outer sets of tracks.

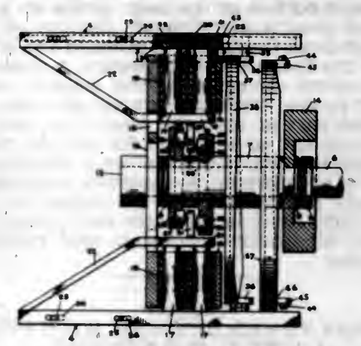
2,558,833
TRACTION WHEEL FOR GARDEN TRACTORS
Herman C. Esch, Cherryvale, Kans.
Application July 23, 1947, Serial No. 762,937
1 Claim. (Cl. 301—6)



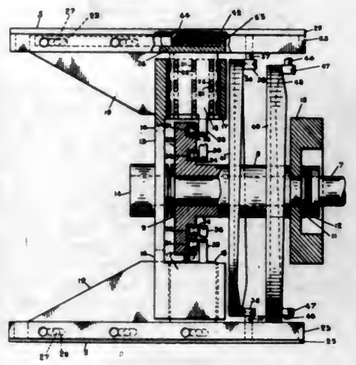
A traction wheel comprising a drum having outwardly offest circular sides concentric to said drum and each reduced in diameter relative to the drum and embodying radially spaced apart circumferential shoulders forming on said sides outwardly offest half sections of a V-belt pulley thereon at opposite sides of said drum of smaller diameter than said drum, a half pulley section comprising a ring complementing either offset half section, and means to secure said ring to either offset half section to complete the pulley at opposite sides of the drum selectively.

2,558,834
ADVANCING REEL
William G. Esmond, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application February 5, 1947, Serial No. 726,515
15 Claims. (Cl. 28—71.7)

1. A reel for advancing helices of yarn axially, comprising a rotatable shaft, a plurality of longitudinally extending bars for carrying the yarn along the reel rotatable with said shaft, means for supporting each of said bars including a plurality of reciprocable shafts operatively connected to each of said bars, a platform for supporting said reciprocable shafts and an extension from said platform to each of said bars, and cam means for reciprocating each of said bars individually.



2,558,835
ADVANCING REEL
William G. Esmond, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application February 5, 1947, Serial No. 726,516
7 Claims. (Cl. 28—71.5)

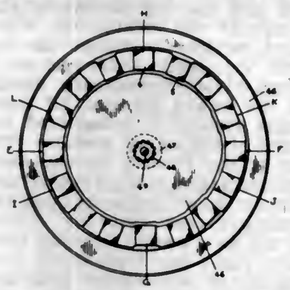


1. A reel for advancing helices of yarn axially, comprising a bushing, a rotatable shaft journaled in said bushing, a plate mounted on said shaft for rotation therewith, a plurality of spaced, angularly arranged bearing housings on said plate, a radially reciprocable block mounted in each of said bearing housings, a longitudinally extending bar, for carrying the yarn along the reel, fixed to each block, and a single stationary cam, having a plurality of grooves therein, mounted on said bushing for reciprocating each of said blocks in said housings individually and in predetermined order.

2,558,836
YARN ADVANCING REEL
William G. Esmond, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application February 5, 1947, Serial No. 726,517
2 Claims. (Cl. 28—71.7)

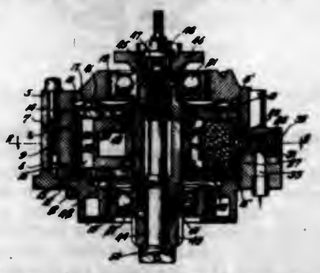
1. In a reel for advancing helices of yarn axially, having a rotatable shaft, a plurality of axially

extending bars for carrying the yarn along the reel rotatable with said shaft, means for reciprocating said bars and a drum, having an opening through which said bars extend and an opening through which said shaft extends, angularly movable with said bars for housing said bar reciprocating means, the improvement which comprises



means for sealing said drum against the entrance of fluids, said means including a rubber gasket attached to and movable with said drum for substantially closing said first-mentioned opening in said drum, said rubber gasket having openings therein through which said bars protrude, and telescoping flanges for sealing said second-mentioned opening.

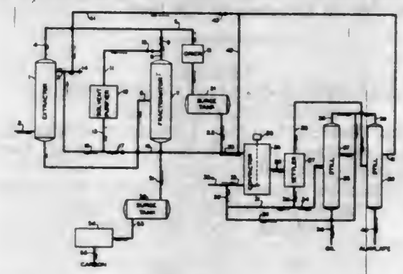
2,558,837
PUMP
Jakob R. Frei, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 13, 1944, Serial No. 530,882
15 Claims. (Cl. 230—152)



1. In apparatus of the class described, a hollow housing, a shaft rotatably journalled in opposed walls of said housing, rotary pumping means in said housing including a casing with an axially movable cylindrical wall through which said shaft freely extends and a rotor having vanes engaged with said casing wall and drivably connected to said shaft for rotation therewith, said rotor including a porous metallic ring adjacent said shaft adapted to conduct a lubricant to the end wall of said casing, means in said housing for supplying a lubricant to said ring, and a wavy ring spring interposed between said housing and casing for yieldably holding said casing and rotor against movement axially of said shaft.

2,558,838
TREATMENT OF CATALYTIC GAS OILS
Luke B. Goodson, Okmulgee, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 20, 1948, Serial No. 66,284
4 Claims. (Cl. 196—14.42)

1. A process for treating a gas-oil produced in a catalytic cracking operation comprising extracting said catalytic gas-oil with an extraction solvent comprising an alkylatable aromatic material to produce a raffinate phase comprising olefin hydrocarbons and dissolved aromatic material and an extract phase comprising aromatic material and soluble aromatic hydrocarbons from said gas-oil, admixing additional alkylatable aromatic material with said raffinate phase and exposing the raffinate phase admixture without separation of the olefins therefrom to alkylation conditions in the presence of an alkylation catalyst to form an alkylate, separating alkylated material from unalkylated material of the alkylate, recovering the separated alkylated material as one product of the process, dividing the separated unalkylated material of the alkylate into two portions, recycling one portion into the original



extraction operation, and the other portion into the raffinate phase as said additional alkylatable aromatic material, separating aromatic gas-oil constituents from solvent of said extract phase, recovering the separated aromatic gas-oil constituents as another product of the process and dividing said solvent separated from said extract phase into two portions, adding one portion to said raffinate phase prior to the alkylation operation and recycling the other portion into the original extraction operation as a portion of the extraction solvent, so dividing said solvent from said extract phase into said two portions that the volume of the portion added to said raffinate phase is such as to maintain the volume ratio of the alkylatable aromatic material to the olefin of the charge stock to the alkylation step between the limits of 1:1 and 5:1.

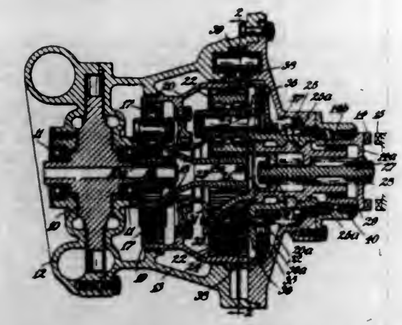
2,558,839
FILM REEL CARRYING CASE
Louis B. Goldberg, Denver, Colo.
Application February 3, 1949, Serial No. 74,321
11 Claims. (Cl. 206—52)



1. A case for the handling and transporting of a moving picture reel having spaced circular flanges thereon, comprising; two cooperating parts, one being an open sided bottom portion adapted to have the reel inserted therein, and the other an open sided cover portion adapted

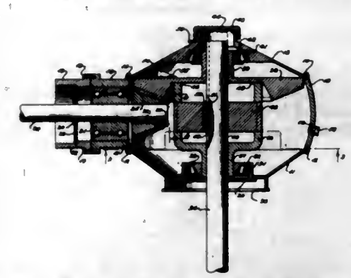
to close the bottom portion, paired means for holding the reel within the case in predetermined relation thereto, one of the paired means being secured to each of the cooperating parts, the paired means extending arcuately about a substantial portion of the reel, each of the paired means comprising spaced parallel channel members of U-shaped cross section, each channel member having side walls joined by a bottom wall, the side walls of each channel member being spaced apart to receive a reel flange therebetween with the reel flange abutting the bottom wall, the side walls of the channel members preventing any substantial movement of the reel flanges in either direction perpendicular thereto, and the bottom walls preventing any substantial movement of the flanges in a direction perpendicular to the axis of the reel.

2,558,840
STARTING GEAR FOR INTERNAL-COMBUSTION ENGINES
Francis Charles Gordon, Littleover, Derby, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application March 28, 1949, Serial No. 83,912
In Great Britain April 6, 1948
8 Claims. (Cl. 123—179)



1. A starting device for an internal combustion engine comprising a casing, and within the casing a turbine rotor, a first sun gear mounted to rotate with the turbine-rotor, first planet gears meshing with said first sun gear, a first planet carrier for said first planet gears, an annular gear member having a first internal annular gear meshing with said first planet gears and a second internal annular gear, a second sun gear mounted to rotate with the first planet carrier, second planet gears meshing with the second sun gear and the second internal annular gear, a second planet carrier for the second planet gears, a free-wheel device between the annular gear member and the casing to permit rotation of the annular gear member in the direction of rotation of the second sun gear but to prevent rotation of the annular gear member in the opposite direction, a friction clutch whereof one clutch element rotates with the second planet carrier and a co-operating clutch element rotates with the annular gear member, spring means to urge said friction clutch elements into engagement, a member carrying a dog clutch element for engagement with a shaft of the engine, said member having a threaded engagement with the second planet carrier so as to be capable of axial and rotational displacement with respect to the second planet carrier, a friction-clutch-disengaging member carried by said dog-clutch-carrying member to move axially therewith and connected with the second planet carrier to be restrained against rotation with respect to the second planet carrier; the arrangement being such that as the turbine-rotor starts to rotate, the sun gears, planet gears, planet carriers and annular gear member rotate as one, the friction clutch being in engagement, and the dog-clutch-carrying member moves axially and rotationally with respect to the planet carriers to engage the dog clutch element with the engine shaft and carries with it the friction-clutch-disengaging member, and that, when the torque transmitted through the starting gears reaches a preselected value, the friction-clutch-disengaging member effects disengagement of the friction device allowing the sun gear, planet gears, and planet carriers to act as an epicyclic speed-reducing gear with two speed reducing stages and the annular gear member to act as a torque reaction member for the epicyclic gear, the free-wheel device preventing rotation of the annular gear member in a direction opposite to the direction of rotation of the sun gears.

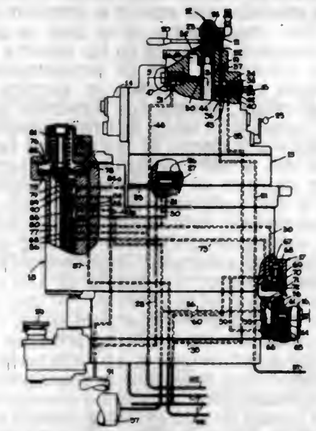
2,558,841
GEAR BOX FOR PUMPS
Henry L. Gordon, Delray Beach, Fla.
Application February 11, 1949, Serial No. 75,887
4 Claims. (Cl. 74—417)



1. A gear box of the class described including a casing having a horizontal side opening and a vertical opening in one end thereof, a horizontal drive shaft extending through said side opening into the casing and having a pinion keyed on the inner end thereof, a vertical axially adjustable driven shaft extending through said end opening into the casing, a rotatable housing within said casing having a transfer gear meshing with said pinion, said housing and transfer gear having vertical openings aligning with the end opening of said casing, said driven shaft extending through the openings in said housing and said transfer gear and rotatably and axially movable relative thereto, and a removable locking means carried by the housing and engaging the driven shaft so as to cause rotation of the latter by the transfer gear when the drive shaft is rotated and without interferring with the axial adjustment of the driven shaft relative to the casing.

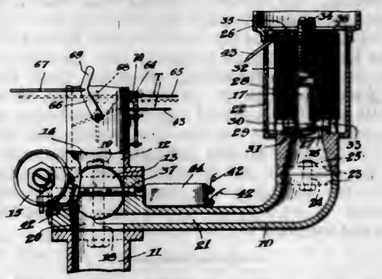
2,558,842
SAFETY CONTROL EQUIPMENT FOR FLUID PRESSURE BRAKES
Andrew T. Gorman, Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 21, 1949, Serial No. 122,655
5 Claims. (Cl. 303—19)

1. In a locomotive brake equipment, in combination, means including an operator's brake valve device operative to effect an application of locomotive brakes, an operator's control device and brake application means operative from a normal position in response to release of manual pressure on said control device to also effect an application of locomotive brakes, application insuring means arranged to respond to a chosen degree of brake application effected by operation of either said brake valve device or said brake



application means to disestablish the control connection between said brake application means and said control device and in response to a lesser degree of brake application to establish said control connection, and means for establishing a control connection between said brake application means and control device by-passing said insuring means only with said brake application means operating to effect an application of brakes.

2,558,843
FUEL CONTROL DEVICE FOR INTERNAL-COMBUSTION ENGINES
John Alexander Grant, New Westminster, British Columbia, Canada
Application October 9, 1945, Serial No. 621,305
3 Claims. (Cl. 123—124)

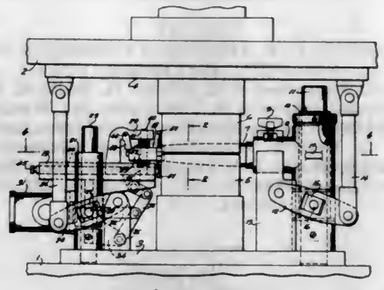


1. A fuel control device for internal combustion engines subject to being driven by a load, comprising in connection with the intake passage from the carburetor to the manifold a valve operable to close the intake passage, spring means adapted normally to hold said valve in the open position, a solenoid adapted to close said valve, a passage adapted to by-pass air to said intake passage on the manifold side of said valve, a valve adapted normally to close said air passage, a solenoid adapted to open the last mentioned valve, and a circuit for energizing said solenoids comprising two switches connected in series, one switch being closed only when the throttle is positioned for operation of the engine below a predetermined speed and the other switch being closed only when the engine is actually running above said predetermined speed.

2,558,844
PHOTOOXIDATION OF ALIPHATIC OLEFINIC HYDROCARBONS
Vincent Richard Gray and Herbert Steiner, Eccles, England, assignors to Petrocarbon Limited, London, England
No Drawing. Application June 28, 1947, Serial No. 757,926. In Great Britain June 28, 1946
3 Claims. (Cl. 204—158)

1. In the manufacture of alkenyl hydroperoxides, the process which consists substantially in reacting an aliphatic mono-olefine containing at least three carbon atoms in the liquid state with oxygen at a temperature within the range of 0° to 100° C. while irradiating the reaction mixture with ultraviolet light, and recovering the alkenyl hydroperoxides thus produced.

2,558,845
PROPELLER SHANK FORMING PRESS
Frederick A. Gruetjen, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application March 3, 1945, Serial No. 580,894
9 Claims. (Cl. 78—96)

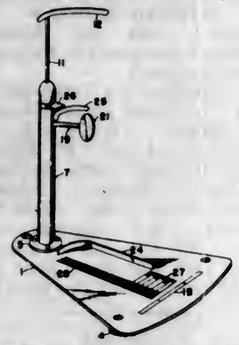


9. In apparatus for forming hollow metal blanks, a mandrel disposed to enter a tubular blank being formed and comprising two forming members interlocked to a central wedge member movable longitudinally thereof, a pair of relatively movable dies for forming the blank upon the mandrel, means to reciprocate the mandrel in a direction at right angles to the direction of closing of said dies to enter the same in the blank, mechanical means to automatically reciprocate the mandrel in the direction of die movement to support the blank centrally of the dies during such movement, and cushion means disposed on each side of the outer end of the wedge of the mandrel for additionally locating the mandrel accurately between the dies when the latter are closed upon the blank to equalize the pressure of the dies through the mandrel.

2,558,846
HOSIERY SIZE GAUGE
Lurelle Guild, Darien, Conn., and Russel K. Boadwee, Bronxville, N. Y., assignors to Julius Kayser & Co., New York, N. Y., a corporation of New York
Application August 13, 1948, Serial No. 43,978
1 Claim. (Cl. 33—2)

A meter comprising a substantially triangular base, a pillar projecting upward from said base

adjacent to one corner thereof, a reel connected with said base adjacent to a second corner thereof, a guide connected with said base adjacent to a third corner thereof, an oscillatory shaft concentric with said pillar and having an arm projecting therefrom above said base and a second arm projecting therefrom below said base, a rod



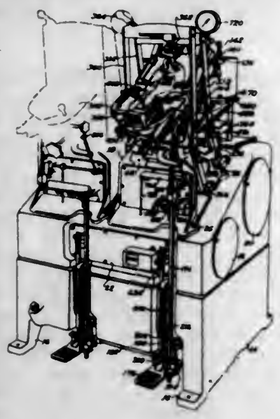
slidable along said shaft, a connector connecting said rod and reel and operatively associated with said guide and said second arm, and an indicator movable by said connector, said connector being movable by the movement of said rod and the movement of said second arm.

2,558,847

MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS

Helge Gulbrandsen and Milton H. Ballard, Beverly, and Lambert S. Linderoth, Jr., Wenham, and Lloyd G. Knowles, Hamilton, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application May 31, 1947, Serial No. 751,560
71 Claims. (Cl. 12—33)



14. In a cement sole-attaching machine, the combination of a pad to receive an unattached sole with its ball line in predetermined position on the pad, equally and oppositely movable gages to engage the edge face of the sole in the vicinity of the ball line to locate the sole centrally with respect to the pad, a toe gage arranged for movement laterally and longitudinally of the pad to find the toe end of the sole, means for locking the toe gage in operative position, breast-line gages movable bodily longitudinally of the pad and movable oppositely toward each other, means controlled by the operative position of the toe gage for determining the position of the breast-line gages longitudinally of the pad, means for moving the breast-line gages toward each other, and means for varying the position assumed by the breast-line gages longitudinally of the shoe when soles of the same length from toe to ball line but of different length from ball line to breast line are being operated upon.

35. In a machine for applying pressure to shoe bottoms, the combination of a pad, a pad box having a forepart arranged to tip about a medial transverse horizontal axis to accommodate the pad for shoes having bottoms of varying longitudinal curvature, means for applying pressure to a shoe to press it upon the pad comprising a slide movable heightwise of the shoe at each side of the pad box, a bail having each end pivoted to one of the slides so as to swing longitudinally of the shoe, a toe abutment carried by the bail, a stop for arresting movement of the bail, and means for automatically setting the stop properly to locate the toe abutment longitudinally of the shoe irrespectively of the length of the shoe, of the tipped position of the forepart of the pad box and of the varying position of said slides.

38. In a machine for applying pressure to shoe bottoms, the combination of an inflatable pad to receive a shoe and sole, means for pressing the shoe and sole together, a cylinder connected with the pad, a piston in said cylinder, means for supplying fluid to said cylinder, a second cylinder in axial alinement with the first but not communicating therewith, said second cylinder having a head, a piston in the second cylinder, a piston rod of large diameter having a substantially fluid-tight fit in the head of the second cylinder, means external to the cylinders for connecting the pistons together, and means for supplying pressure fluid to either side of the piston of the second cylinder to operate its piston in either direction and thereby to operate the piston of the first cylinder and cause inflation and deflation of the pad.

55. In a machine for applying pressure to shoe bottoms, the combination of an inflatable pad, fluid-pressure-operated means for inflating the pad, a line having a check valve therein leading to said means, fluid-pressure-operated means for applying pressure to a shoe on the pad, a valve comprising a cylinder, spaced connected pistons of unequal size movable in the cylinder, a spring biasing the pistons in the direction from the large to the small piston, a pressure line having a check valve therein conducting pressure fluid between the pistons to apply pressure to the shoe, the pistons shifting against the spring when a predetermined pressure on the shoe is attained to open the line leading to the inflating means and causing the pad to be inflated, and fluid-operated means for opening the check valves when fluid pressure is exhausted from the fluid-pressure-operated means.

2,558,848

MIRROR AND METHOD OF MAKING SAME

William H. Harrison, Los Angeles, Calif.

Application October 15, 1948, Serial No. 54,745
7 Claims. (Cl. 88—105)



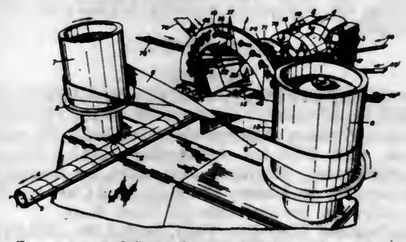
1. A mirror which includes: a stiff, transparent layer having a substantially plane surface and a slightly roughened opposite surface producing a diffusion materially greater than that desired; a reflecting layer rearwardly of said transparent layer and visible therethrough; and transparent refracting means having an index of refraction differing slightly from that of said transparent layer, between the roughened surface of the latter and said reflecting layer to reduce the diffusion of light passing through said transparent layer and said refracting means, thereby providing a softened reflected image retaining all but the finest details.

2,558,849

APPARATUS FOR USE IN THE MANUFACTURE OF LAMINATED TUBES, TUBULAR INSULATIONS, TUBULAR BUSHINGS, AND LIKE TUBULAR MEMBERS FROM FLEXIBLE STRIP MATERIAL

Alfred A. Hodge, Maidstone, England, assignor to Holoplast Limited, New Hythe, near Maidstone, England, a British company

Application January 24, 1949, Serial No. 72,446
In Great Britain January 23, 1948
15 Claims. (Cl. 93—80)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



5. In a machine for winding flexible strips about a mandrel to produce laminated tubes of the kind specified, a winding head for controlling the feeding of the flexible strips to the mandrel and comprising, a front and a rear end frame mounted on the winding machine around the mandrel thereof at spaced positions therealong; a series of carrier rods supported in and extending from one of the said end frames to the other end frame, such carrier rods being spaced from the mandrel but arranged relatively to one another in angularly spaced side-by-side positions around such mandrel with their axes converging from the said front end frame to the rear end frame so that they are obliquely disposed with respect to the mandrel; a cylindrical guide roller mounted coaxially on each of said carrier rods for rotation about and for adjustment along such carrier rod whereby the several rollers may be set at relatively spaced positions along the mandrel; means for simultaneously adjusting the said carrier rods at one end transversely of their axes to vary the obliquity of the axes of the guide rollers thereon with respect to the said mandrel; and a pair of end collars for each of said rollers, such collars being arranged one at each end of the roller and being coaxial with, of larger external diameter than, and axially adjustable with, the roller.

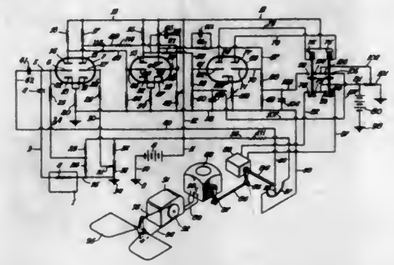
2,558,850

VERTICAL VELOCITY CONTROL FOR AIRCRAFT

Robert Hofstadter, Forest Hills, N. Y., assignor to The Norden Laboratories Corporation, New York, N. Y., a corporation of Connecticut

Application July 22, 1946, Serial No. 685,342
14 Claims. (Cl. 318—481)

1. A control system for an aircraft including in combination, means for developing a potential proportional to the altitude of an aircraft, a pair of electron discharge devices each having an anode and a grid, cathodes for each of said electron discharge devices, a self biasing common resistor for said cathodes, means for impressing a fixed biasing potential upon the first grid, means for impressing a biasing potential on the



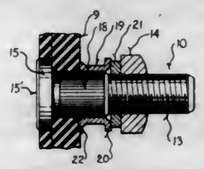
second grid, means for impressing a potential which is a function of the change in said altitude proportional potential with respect to time upon said first grid, aircraft elevator control means responsive to the anode currents of said electron discharge devices, and means for varying the biasing potential on said second grid to determine a desired climb or glide for the aircraft.

2,558,851

FASTENING MEANS FOR SWITCH TERMINALS

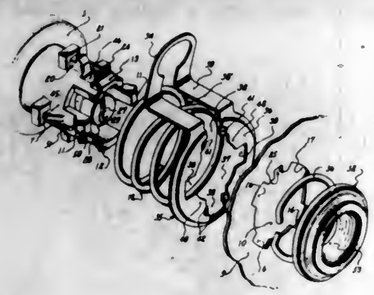
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application June 24, 1948, Serial No. 35,047
5 Claims. (Cl. 173—324)



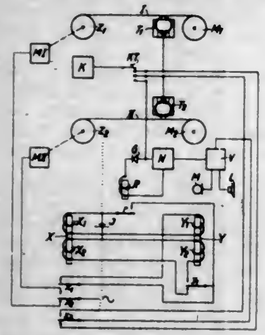
1. In an electric switch: an insulative terminal plate; a terminal stud having an enlarged head exposed at the front face of the plate to provide one of the fixed contacts for the switch and having its stem extending through a close fitting aperture in the plate to project rearwardly from the rear face of the plate, the portion of the stem which passes through the plate being knurled and the rear portion thereof being threaded to receive a terminal nut for securing a conductor to the terminal; and means for radially inwardly compacting the material of the terminal plate into binding engagement with the knurling on the terminal stud so as to preclude rotation of the stud in its aperture upon tightening of the terminal nut, said means comprising a tightly fitting sleeve surrounding the knurled portion of the stem of the terminal stud and having its rear end so disposed that the sleeve will be driven forwardly upon the stud when the terminal nut is tightened, and an outwardly flared front end portion on said sleeve engaged with the rear face of the terminal plate and adapted to be forced into the terminal plate upon tightening of the terminal nut.

2,558,852
IGNITION SWITCH LOCK
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application July 16, 1948, Serial No. 39,008
6 Claims. (Cl. 248—27)



1. In an instrument of the type adapted to be mounted on the back of a panel in alignment with a hole therein: a case for said instrument having a tubular neck extending forwardly therefrom for insertion through the hole in the panel and open at its front end; lug means on the exterior of said neck at the front end thereof having rearwardly facing shoulders lying in a common plane normal to the axis of the neck and engageable with the front face of the panel to preclude rearward displacement of the instrument therefrom, one of said lug means projecting rearwardly of said plane to be engageable in a notch in the panel to preclude rotation of the instrument on the panel; and circumferentially spaced abutments on the exterior of the neck a distance rearwardly from said shoulders and facing them, said abutments providing a spring seat to enable a coiled compression spring to be confined between them and the back of the panel when the spring is in position encircling the front end portion of the neck.

2,558,853
DEVICE FOR INSERTING CORRECTIONS IN A SEQUENCE OF RECORDED INTELLIGENCE
Hans Kappeler, Soleure, Switzerland, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland
Application January 16, 1948, Serial No. 2,757
In Switzerland January 23, 1947
6 Claims. (Cl. 179—100.2)

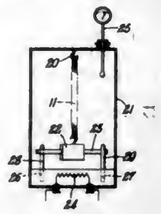


1. In a magnetic dictaphone comprising a first sound recording and reproducing device with a dictating sound carrier, a second sound recording and reproducing device with a correction sound carrier, a marker signal transmitting device connected with said two sound recording and reproducing devices, a first relay means controlled by the marker signals of said marker signal transmitting device, means controlled by said relay for interrupting alternately one or the other of said sound recording and reproducing devices, and for operating the other of said sound recording and reproducing devices for recording or reproducing.

2,558,854
CACAO PROCESS AND PRODUCT
Norman W. Kempf, Auburndale, Mass., and Harvey K. Murer, Summit, N. J., assignors to General Foods Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 22, 1948, Serial No. 34,558
24 Claims. (Cl. 99—23)

1. A process for the non-fermentative curing of raw cacao which comprises maintaining the cacao at a temperature between 50° C. and 65° C. and with a moisture content not less than 12–15% for a period between 5 and 50 hours, and then arresting the curing by rapidly drying the resulting product.

2,558,855
ROD COMPRISING BONDED FIBROUS MATERIAL AND METHOD OF MAKING SAME
Norman Watson Knewstubb, Solihull, Birmingham, and Charles Alexander Robb, Moseley, Birmingham, England, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 3, 1945, Serial No. 580,912
In Great Britain March 6, 1944
13 Claims. (Cl. 154—91)

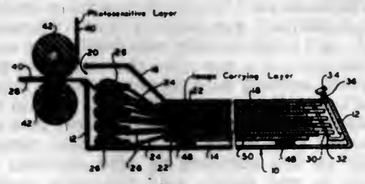


1. A process for the manufacture of rods with solid cores comprising bonded fibrous material, which process comprises treating, with a bonding agent, longtudinally-arranged fibrous elements, and applying tension and twist simultaneously to a bundle of the said treated fibrous elements while solidifying the bonding agent to form a rod having a solid core.

11. A solid-core rod comprising a bonded assembly of tensed and twisted longitudinally-arranged fibrous elements, said assembly being characterized by rigidity and machineability.

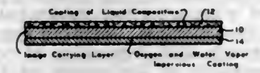
2,558,856
PHOTOGRAPHIC DEVELOPER DISPENSING ELEMENT
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application July 8, 1946, Serial No. 682,001
27 Claims. (Cl. 95—88)

1. In combination, a magazine and a plurality of relatively stiff sheets of material, each of said sheets having a leading edge and a trailing edge, a plurality of containers, there being a container associated with each of said sheets, each said container having therein a liquid composition, a plurality of flexible members joining said containers to said sheets, there being a joining member for joining each container to its associated sheet, each said joining member joining its container to said leading edge of its associated sheet, said



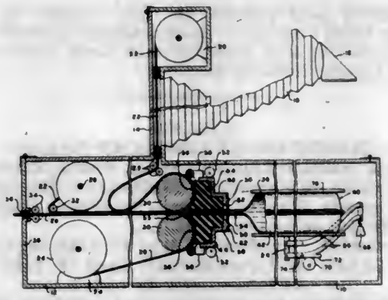
members being sufficiently impermeable to said liquid composition to permit said liquid composition to be spread thereacross, and flexible means connecting the trailing edge of the first of said sheets to said joining member associated with the second of said sheets, said leading edges being positioned adjacent each other and said trailing edges being positioned adjacent each other in said magazine.

2,558,857
PHOTOGRAPHIC DEVELOPER ELEMENT
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 8, 1947, Serial No. 727,381
11 Claims. (Cl. 95—88)



1. As a new product for successively treating separate image areas of a silver halide emulsion to form transfer prints of latent images in said emulsion, an elongated flexible composite sheet wound into a roll so that the inner surface of each winding engages the outer surface of the preceding winding, said flexible composite sheet comprising an elongated supporting strip which is the outer layer of each winding of the roll and which has adhered to the inner surface thereof a liquid-containing layer of the consistency of very thick jelly, said supporting strip having between the inner and outer surfaces thereof a stratum substantially impervious to water and to water vapor, which stratum prevents depthwise diffusion of the liquid of said liquid-containing layer outwardly of said roll, and liquid-confining means cooperating with the edges of said composite sheet for producing a liquid-tight seal at each end of said roll which prevents edgewise escape of the liquid of the liquid-containing layer, the outer surface of said supporting strip having very little affinity for the said liquid-containing layer so that each winding is strippable from the next succeeding winding of the roll, said liquid-containing layer comprising a silver halide developer, a silver halide solvent and water, said water being in sufficient quantity to provide all the water required to render said developer and said solvent operative, when said liquid-containing layer is brought into contact with a silver halide emulsion, to develop a latent image in said emulsion and to dissolve from the unexposed portions of said emulsion sufficient silver to form a print of said latent image within said liquid-containing layer, said liquid-containing layer containing a sufficient amount of solid material to impart thereto its jellylike consistency.

2,558,858
PHOTOGRAPHIC APPARATUS
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 3, 1948, Serial No. 5,928
14 Claims. (Cl. 95—13)



1. In a photographic apparatus of the class comprising means for holding a supply of photosensitive sheet material, means for holding a supply of another sheet material and means for guiding said sheets from their respective supplies to a position where said sheets are in superimposed relation, said guiding means comprising a pair of surfaces between which and with respect to which said sheets are adapted to move in superimposed relation with a liquid-receiving space therebetween, the combination with said guiding means of means for holding a container, a container held by said holding means, said container having therein a processing liquid and including a liquid-confining body, an elongated mouth and sealing lips, at least a portion of the container body being deformable, means for positioning said mouth of said container adjacent said two sheets as they are superimposed, said mouth of said container being capable of discharging liquid towards said space, said last-named means resiliently pressing said sealing lips of said container against the surfaces of said sheets to be superimposed, means for deforming said deformable body portion to increase the hydraulic pressure in at least a portion of the liquid in said container, and means for compressing a portion of said container adjacent said mouth for controlling the flow of said liquid from said container towards said space, said guiding and positioning means being so arranged that said lips and said sheets protect said apparatus from contact with said liquid.

2,558,859
RAZOR
Joseph Lefkowitz, Brooklyn, N. Y.
Application February 4, 1948, Serial No. 6,250
4 Claims. (Cl. 30—51)

1. A razor comprising a blade holder of a single piece of metal, said blade holder having a central back portion and a safety guard, an opening for the cutting edge of a blade, clamping portions bent from the material at the opposed ends and at the back adjacent said ends of said holder for clamping a blade in said holder, a handle holding member bent from said central back portion, a handle having a channel at one end for receiv-

ing said blade holder and handle holding member, said holding member bent beneath said blade holder and having a pair of opposed flanges for



retaining said handle at right angles to said blade holder and said blade clamped beneath said blade holder and between said blade holder and said handle holding member.

2,558,860

MANUFACTURE OF GOLF BALLS

George William Tansley Leeson, Frome, Somerset, England, assignor to Wallington Weston & Company Limited, Frome, Somerset, England, a British company

No Drawing. Application May 10, 1948, Serial No. 26,242. In Great Britain April 10, 1947

3 Claims. (Cl. 18—55)

1. A method of manufacturing golf balls which comprises the steps of establishing a mix containing rubber, vulcanizing agents and fillers together with a chemical substance which is decomposable under the action of heat at atmospheric pressure, subjecting the mixture to heat and pressure in a fluid-tight mould which mould is completely filled with said mix and held closed to cause vulcanization of the mix, and thereafter cooling the filled and closed mould before removal of the vulcanized mass from the mould whereby a hard, tough, highly resilient vulcanized mass is produced which is free from cellular structure visible to the naked eye.

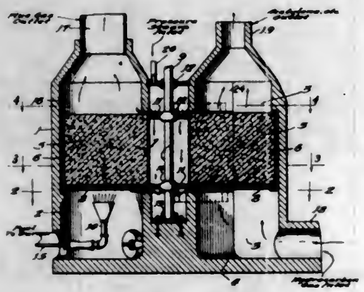
2,558,861

APPARATUS FOR PRODUCTION OF ACETYLENE AND OTHER HYDROCARBONS

Philip T. Liggett, Harvey, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application April 30, 1945, Serial No. 591,037

2 Claims. (Cl. 23—288)



1. An apparatus for the pyrolytic conversion of a hydrocarbon gas stream which comprises in combination a circular heat retaining housing, vertically spaced walls dividing said housing into a heating section and a conversion section, an annular packed bed of heat retentive and high temperature resistant material, a rotatable container for said annular bed having cylindrical inner and outer walls, a plurality of vertical partitioning plates, and a perforated bottom plate mounted for rotation in the space between said dividing walls, a vertically positioned continuously driven supporting shaft attached to and extending through the center of said rotatable container, burner means for said heating zone, flue gas outlet means from said heating section above said rotating annular bed, inlet and outlet connections to said conversion section such that said hydrocarbon gas stream flows transversely through said continuously rotating bed, a vertical flow channel and a gas inlet thereto for a diluent gas stream around said driven vertical supporting shaft, gas distributing channels in said dividing walls connecting with said vertical flow channel around said shaft, said channels extending laterally in the surfaces of said dividing walls adjacent to and facing said rotatable container for said packed bed, whereby said diluent gas is distributed between said heating and conversion sections.

2,558,862

MANUFACTURE OF BROMINATED PHTHALIC ANHYDRIDE

Thomas R. Liston, Hamburg, Sydney M. Spatz, Middletown, and Raymond A. Mazur and Francis J. Glick, Buffalo, N. Y., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

Application June 22, 1948, Serial No. 34,543

9 Claims. (Cl. 260—341)

1. A process for catalytically brominating phthalic anhydride with elementary bromine to produce brominated phthalic anhydride which comprises maintaining a mixture of phthalic anhydride and a brominating catalyst selected from the group consisting of metallic iron, inorganic iron compounds and iron salts of organic acids at a temperature in the range of 170°–250° C., introducing elementary bromine into the mixture at a rate not materially greater than the rate at which it is consumed in the mixture and separating from the reaction products a fraction boiling below about 175° C. at 20 mm. mercury absolute pressure and subsequently brominating said fraction in admixture with additional phthalic anhydride.

2,558,863

PROCESS FOR REFINING PETROL

Lars Börje Lundquist, Narkes-Kvarntorp, Sweden, assignor to Svenska-Skifferolje Aktiebolaget, Narkes-Kvarntorp, Sweden, a corporation of Sweden

No Drawing. Application February 14, 1949, Serial No. 76,421. In Sweden February 18, 1948

1 Claim. (Cl. 196—32)

Process for refining petrol which contains carbon bisulfide and mercaptans which comprises first treating the petrol with aqueous alkaline lye, treating the resulting petrol with sulfuric acid, treating the resulting petrol with aqueous alkaline lye in quantity sufficient to neutralize the acid content thereof, distilling the resulting petrol and dividing the distillate into a light fraction containing all of the carbon bisulfide and some of the light mercaptans and a heavier fraction free of carbon bisulfide but containing at least the heavier mercaptans, treating the light fraction with alcoholic lye to convert the light mercaptans therein into mercaptides and treating the heavier fraction with sodium plumbite and sulfur to convert the mercaptans therein into disulfides.

2,558,864

VACUUM CLEANER WITH SELECTIVE NOZZLES AND BRUSHES

Johannes Andries Christiaan Malchus, Amsterdam, Netherlands; D. Giltay Veth and H. Funnekotter, curators in bankruptcy of said Johannes Andries Christiaan Malchus, assignors to Raymond Torin, London, England

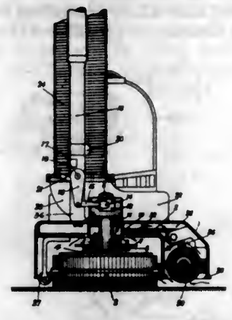
Application July 25, 1946, Serial No. 686,224

In the Netherlands March 25, 1942

Section 1, Public Law 690, August 8, 1946

Patent expires March 25, 1962

5 Claims. (Cl. 15—333)



1. A floor tool comprising in combination: a casing including suction-creating means, a motor connected to said suction-creating means for driving same, a nozzle chamber communicating with said suction-creating means and having a suction opening, a compartment provided with a downwardly facing aperture, a passage connecting said compartment with said suction-creating means, a valve associated with said passage for closing and opening same, sweeping means rotatably arranged in said compartment, said sweeping means being adjustable in a retracted position disengaged from the floor and in an advanced position engaged with the floor, disengageable coupling means between said motor and said sweeping means, and setting means associated with said valve, said sweeping means and said coupling means for setting same in alternative positions wherein said valve closes said passage, said sweeping means are in the retracted position and said coupling means are in disengaged condition or wherein said valve opens said passage, said sweeping means are in the advanced position and said coupling means are in engaged condition for coupling said sweeping means with said motor.

2,558,865

COWL FOR AIR-COOLED INTERNAL-COMBUSTION ENGINES FOR AIRCRAFT

Basil Gervase Markham and Douglas John Kenney, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company

Application September 29, 1947, Serial No. 776,656

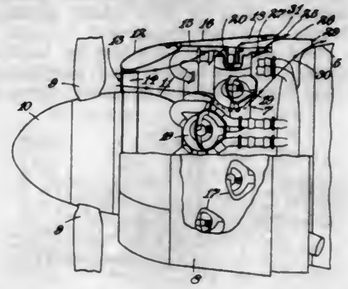
In Great Britain September 26, 1946

Section 1, Public Law 690, August 8, 1946

Patent expires September 26, 1966

2 Claims. (Cl. 123—41.6)

1. In combination an air-cooled, sleeve-valve internal combustion engine and a cowling therefor comprising an outer cylindrical casing to enclose the engine, there being an opening at the front end of the cowling through which all the cooling air for the engine enters and a main exit at the rear end of the cowling for that part of the stream of cooling air which flows over the cylinder barrels, a deflector carried within the cowling to direct air from the intake opening of the cowling into the re-entrant opening in each engine cylinder head and a duct to convey



air from the heads rearwardly within the cowling to an exit therefrom placed axially of the cowling between the engine cylinders and the main exit from the cowling.

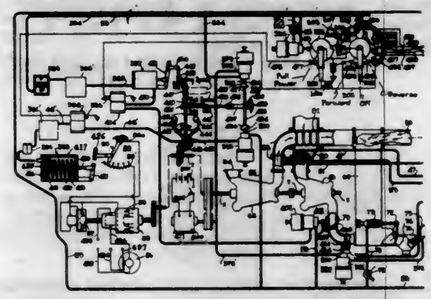
2,558,866

GAS TURBINE PLANT

Harry C. May, East McKeesport, and Ellis E. Hewitt, Pittsburgh, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Original application April 20, 1948, Serial No. 22,208. Divided and this application September 24, 1949, Serial No. 117,699

8 Claims. (Cl. 290—2)



7. In combination with a gas turbine, an electric generator operably connected to said turbine, output regulating means for said generator, governor means operatively connected to said output regulating means responsive to speed of operation of said turbine, operator's control means for controlling the speed setting of said governor means, and thermostat means sensitive to operating temperature of said turbine to prevent increase in speed setting of said governor means until a predetermined turbine operating temperature is reached.

2,558,867

DOOR OPERATING MECHANISM

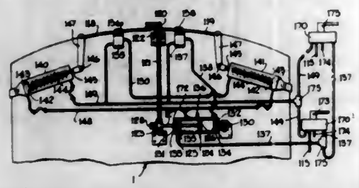
Harry C. May, East McKeesport, and Ellis E. Hewitt, Pittsburgh, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Original application April 20, 1948, Serial No. 22,208. Divided and this application September 24, 1949, Serial No. 117,701

4 Claims. (Cl. 268—64)

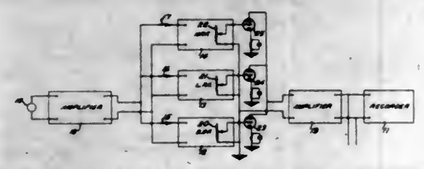
1. Apparatus for controlling opening and closing of a door comprising a first pipe, a second

pipe, a second pipe, a selector valve for supplying fluid under pressure to either one of said pipes while venting the other, a double acting fluid pressure operated door cylinder operable by fluid under pressure in a door opening chamber to open said door and by fluid under pressure in a door closing chamber connected to said second pipe to close said door, a latch for holding said door closed, a double acting latch operating cylinder having one pressure chamber open to said



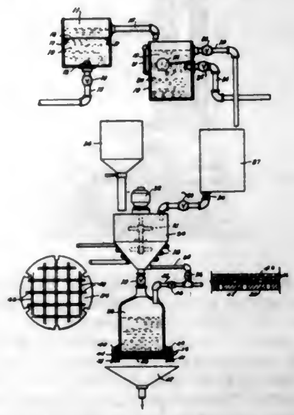
first pipe and having a second pressure chamber and responsive to supply of fluid under pressure to said one pressure chamber to release said latch and then establish communication between said first pipe and said door opening chamber and responsive to supply of fluid under pressure to said second pressure chamber to lock said latch, and interlock means operable by closing of said door to connect said second pipe to said second pressure chamber.

2,558,868
SEISMIC RECORDING SYSTEM
Malcolm D. McCarty, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 1, 1946, Serial No. 680,795
5 Claims. (Cl. 346—33)



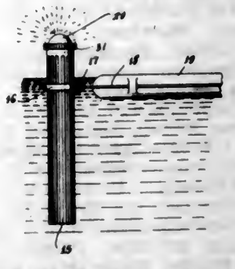
2. A system for seismic prospecting comprising a geophone for converting direct, refracted and reflected seismic waves produced by a shot into electrical signals of frequencies within the range from about 20 to about 80 cycles, and means for producing from said signals of the geophone a record trace readily interpreted in ascertainment of the depths and contours of subterranean strata comprising signal amplifier channels in parallel and upon which the aforesaid signals are impressed, one of said channels including a frequency-selective network favoring transmission therethrough of lower frequencies of said range and another of said channels including a frequency-selective network favoring transmission therethrough of higher frequencies of said range, an automatic gain-control system for the amplifier of said one of said channels effective in the recording interval subsequent to said shot progressively to increase the gain at said lower frequencies as a predetermined function of time, an automatic gain-control system for the amplifier of said other of said channels effective in said recording interval sequentially to decrease, increase and decrease the gain at said higher frequencies as a predetermined function of time, electrical means effective in response to occurrence of said shot to initiate the aforesaid time-variation of the gains of said amplifiers by said gain-control systems, and a recorder upon which the outputs of said channels are impressed to produce a single record of said waves in which record, by virtue of the different time-variation of the gains of said amplifiers for said different frequencies, the direct, refracted and reflected waves are clearly distinguishable.

2,558,869
PROCESS FOR RECOVERING WASTE COOKING OILS
William L. McColm, Denver, Colo.
Application July 17, 1948, Serial No. 39,293
2 Claims. (Cl. 260—412)



1. A method of reclaiming cooking oil from waste fried potato products comprising passing hot water through a mass of fried potatoes to soften and carry off oil from the potatoes, delivering intermingled oil and water to a settling zone and separating the oil from the water by flotation, delivering the separated oil and any residual water therein to a mixing zone, heating and agitating the oil at a temperature of 220°–230° F. to drive off any remaining moisture, mixing filtering clay with the heated oil during the agitation, and passing the heated oil through a filter and removing the clarified oil from the filter cake.

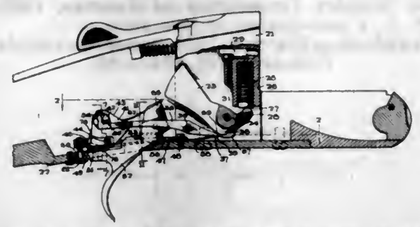
2,558,870
MARINE LIGHT UNIT
Nathan Michelman, Brooklyn, N. Y.
Application October 1, 1948, Serial No. 52,240
9 Claims. (Cl. 9—8.3)



1. A self-contained light unit comprising, in combination, an elongated water-tight casing having a closed end; a frame slidably engaged within said casing; longitudinally extending in-

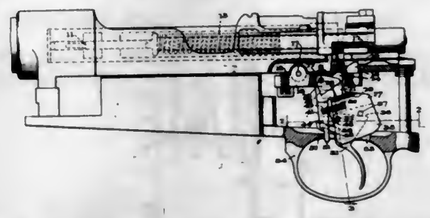
ter-engaging means along the length of said casing and frame operable to permit axial slidable movement between said casing and frame and effective to restrain relative lateral movement at any point along the length of each thereof; electric current supply means and a lamp carried by said frame; a circuit controller carried by said frame and connected in circuit with said lamp and said current supply means; and water-tight means removably closing the opposite end of said casing and engaging the outer end of said frame.

2,558,871
TRIGGER MECHANISM
Elmer E. Miller, Millersburg, Pa.
Application February 26, 1948, Serial No. 11,110
16 Claims. (Cl. 42—69)



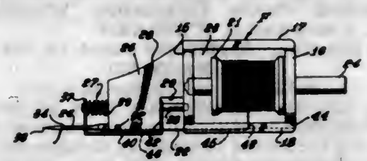
1. In a trigger mechanism for a gun, a sear pivoted intermediate its ends having one end for engaging an abutment on a hammer to hold the hammer in cocked position, the other end of said sear being formed with a notch, and a sear latch adjacent said other end of the sear for engaging said notch to hold said one end of the sear engaged with the abutment on the hammer, said sear latch being operable by a trigger to release said sear for firing the gun, and means independent of the trigger for adjusting said sear latch to change its angular position relative to said notch and thereby vary the trigger pull necessary to operate said latch and release the sear to fire the gun.

2,558,872
SET TRIGGER MECHANISM
Elmer E. Miller, Millersburg, Pa.
Application November 24, 1948, Serial No. 61,758
15 Claims. (Cl. 42—69)



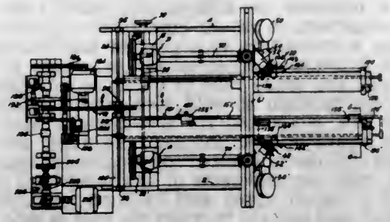
1. A set trigger mechanism for a gun comprising a firing member movable to fire the gun, a hammer for moving said member, an abutment on said hammer, a trigger pivoted on said hammer engageable with said abutment, said hammer being movable by movement of said trigger against said abutment to move said member, said hammer being shiftable by said trigger between a heavy-pull position in engagement with said member and a light-pull position out of engagement with said member, a spring acting on said hammer to urge it toward engagement with said member, and a latch for holding said hammer in light-pull position against the action of said spring with said trigger spaced from said abutment, said latch being releasable by pivotal movement of said trigger toward said abutment.

2,558,873
STITCHING DEVICE
Charles L. Mollis, Los Angeles, Calif.
Application November 26, 1947, Serial No. 788,181
13 Claims. (Cl. 112—169)



1. A stitching device comprising a frame, a needle attached to said frame, said needle having a groove along one side and an eye adjacent its point; said frame having means for guiding a thread from a source of supply to feed thread through the needle groove and eye under a force exerted through the thread alone during the formation of the successive stitches; a thread looper including a head extending transversely of said needle between its ends, and mounted on said frame for movement lengthwise of the needle under a force exerted through a fabric penetrated by said needle; and yieldable means for urging said head to a forward position on said needle and toward said eye upon the removal of said force exerted through a penetrated fabric, whereupon the length of thread along said needle exterior of said groove is formed into a loop adapted to be retained by the user upon the needle being withdrawn.

2,558,874
MACHINE FOR MAKING PACKING CASES
Robert A. Muller, New London, N. H., assignor to Atlas Plywood Corporation, Boston, Mass., a corporation of Massachusetts
Application September 22, 1950, Serial No. 186,132
31 Claims. (Cl. 1—11)



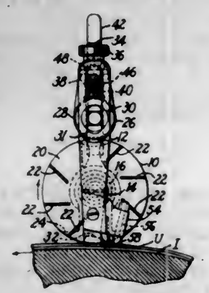
1. An improved wire stitching machine for securing together a plurality of panels and connecting corner strips to provide a collapsible packing case, said machine comprising a wire stitching apparatus including stitching heads and a plurality of flat-sided target members mounted at right angles to one another in spaced relation to the wire stitching apparatus, a work supporting carriage for holding the panels and strips between the wire stitching heads and respective target means, said carriage being formed with a top and opposed vertical sides for positioning panels at right angles to one another, the exposed surfaces of the said carriage sides lying in intersecting planes which pass through corresponding flat sides of respective target surfaces, guide members

constructed and arranged to locate the corner strips in overlapping relation with respect to adjacent edges of respective panels, power-driven means for periodically moving the panels and corner strips into successive stitching positions, and control means for actuating the stitching heads in any one of the stitching positions.

2,558,875
FLUORINE SUBSTITUTED AMINES
Frank G. Pearson, Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 24, 1947, Serial No. 736,631
5 Claims. (Cl. 260—563)

1. A process comprising the steps of reacting hexafluorobutyne with an amine selected from the group consisting of cyclohexylamine and primary and secondary lower alkyl amines in the absence of a catalyst, at room temperature and under atmospheric pressure, and distilling the reaction product.

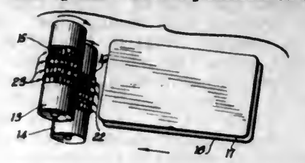
2,558,876
UPPER TRIMMING MACHINE
John William Pratt, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 11, 1950, Serial No. 155,296
In Great Britain July 9, 1949
3 Claims. (Cl. 12—83.5)



1. A machine for trimming a lasted shoe upper comprising a rotary cutting tool, a member having a projecting foot portion the bottom of which is adapted progressively to engage an insole and the upper face of which is arranged in shearing relation to said tool, and a rotatable guide disk supported for engagement with the insole ahead of said member, the upper surface of said disk being adapted for progressive engagement with the underside of the unsecured margin of a lasted upper and inclined upwardly to position said margin between the face of said foot portion and said tool.

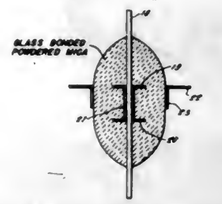
2,558,877
PRINTING PLATE AND METHOD OF MANUFACTURING
Thomas I. Ress, Chicago, Ill., assignor to The Pioneer Electric and Research Corp., Forest Park, Ill., a corporation of Illinois
Application January 25, 1949, Serial No. 72,623
4 Claims. (Cl. 101—401.1)

1. The method of forming a flat plastic article comprising the steps of, forming a male die and a female die by placing a pair of thin metallic members together and applying pressure thereto with die members having male and female characters, reversing the relative position of said male



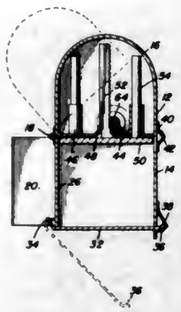
die and said female die, placing a thermoplastic sheet between said reversed dies, and applying heat and pressure to the assembly.

2,558,878
ELECTRODE WITH MOLDED INSULATION
Henry M. Richardson, Springfield, Mass., assignor to Mycalex Corporation of America, Clifton, N. J., a corporation of New Jersey
Application March 5, 1946, Serial No. 652,154
2 Claims. (Cl. 174—152)



1. An electrode structure comprising a metal electrode of high conductivity, a body of a molded insulating composition consisting of glass-bonded powdered mica, a double flanged sleeve of higher coefficient of expansion than said composition, said electrode passing through said sleeve and being fixed thereto, said flanges extending outwardly from said sleeve, said composition filling the space between said flanges and being compressed by axial shrinkage of said sleeve, said sleeve being integral with said flanges.

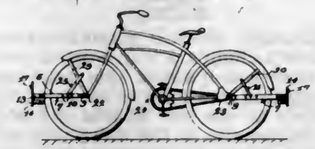
2,558,879
SOAP PRESS
Charles Roma, Jr., Talladega, Ala.
Application February 14, 1949, Serial No. 76,216
2 Claims. (Cl. 25—7)



1. A soap press comprising a casing having upper and lower hinged sections, said lower section defining a chamber for soap scraps and being formed with an open upper end, a swinging bottom wall on said lower section, means for locking the same in a closed position on the lower section, a partition formed horizontally at

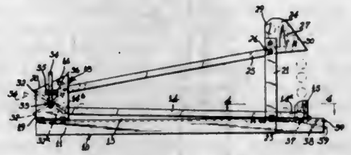
the bottom of the upper section, a follower member horizontally disposed in the lower section, means for pressing said follower member relative to the bottom wall of the lower section, guide means for said follower member, said guide means including sleeves vertically projecting from said partition and guide pins extending vertically from said follower member and slidably mounted in the sleeves, said pressing means including an upright rack bar carried by said follower member and slidably disposed through the partition, an operating shaft rotatably journaled in the upper section, and a gear fixed on said shaft and disposed in intermeshing relation with the rack bar.

2,558,880
COMBINATION BUMPER AND LICENSE TAG HOLDER
Don M. Sartain, Marion, N. C.
Application January 14, 1949, Serial No. 70,895
3 Claims. (Cl. 293—61)



1. A bumper for motorcycles, bicycles and motor bikes, comprising a pair of supporting arms adapted to be adjustably mounted adjacent corresponding ends thereof on end portions of a wheel axle of a bicycle, motor bike or motorcycle and extending outwardly therefrom, vertically spaced horizontal bars disposed transversely of said arms, upright bars disposed transversely of the first mentioned bars and on the outer sides thereof, fastening means connecting the horizontal and upright bars, said arms having inturned opposite ends detachably secured to certain of said bars by the fastening means, said horizontal bars having license tag fastening receiving openings disposed between the upright bars, and brace members adjustably connected to said supporting arms and extending upwardly therefrom, said brace members having clamps at their upper ends for detachably and adjustably engaging a fender brace for maintaining said supporting arms in substantially horizontal positions.

2,558,881
MARBLE SHOOTING COASTER TOY WITH PROJECTOR
Frederick J. Scharkopf, Valley Stream, N. Y.
Application December 17, 1947, Serial No. 792,216
7 Claims. (Cl. 46—43)

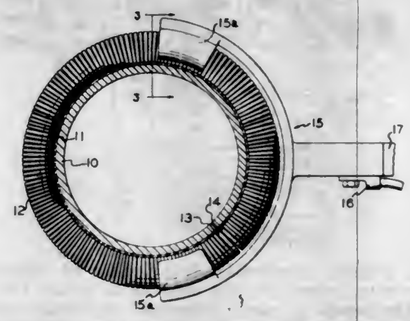


2. A toy comprising a table, a pair of spaced standards mounted on one end of said table, an inverted U-shaped housing mounted on the other end of said table, an inclined upper runway supported between said standards and said housing with its high end between said standards and with its low end projected into the adjacent end of said housing, an inclined lower runway supported between said standards and said housing with its high end in said housing and spaced beneath the low end of said upper runway and with its low end between said standards, means at the high end of said upper runway for deflecting a vertically projected ball onto the high end of said upper runway to roll freely down the same, means at the low end of said lower runway for projecting a ball vertically toward said deflecting means, and manually controllable means in said housing between the adjacent ends of said runways for directing a ball rolling down the upper runway off the lower end thereof or onto the upper end of said lower runway to then roll down the lower runway.

2,558,882
HYDROCARBON COMPOSITIONS
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 29, 1946, Serial No. 713,075
4 Claims. (Cl. 260—33.6)

1. As a composition of matter, a petrolatum-like cycloalkylpolyethylene having dissolved therein a minor proportion of a solid ethylene polymer having a molecular weight of from 10,000 to 30,000, said polymer being present in sufficient amount to increase the melting point of the cycloalkylpolyethylene.

2,558,883
INSULATION TESTING DEVICE
Dick E. Stearns, Shreveport, La.
Application March 17, 1947, Serial No. 735,259
5 Claims. (Cl. 175—183)

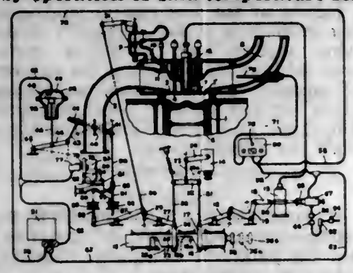


1. An electrode for use in conjunction with apparatus for testing tubular shaped insulation comprising a coiled spring of electrically conductive material, said spring formed of wire having one substantially flat side which forms the outer periphery of the spring when wound and means for connecting the ends of the electrode together whereby it may encircle the insulation to be tested and be rolled therealong in snug contact therewith.

2,558,884
TEMPERATURE CONTROLLED AIR THROTTLING APPARATUS AND METHOD FOR CONTROLLING SUPPLY OF AIR TO INTERNAL-COMBUSTION ENGINES
George Steven, Kenmore, and Roy R. Fruehauf, Orchard Park, N. Y., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application December 15, 1949, Serial No. 133,182
31 Claims. (Cl. 123—27)

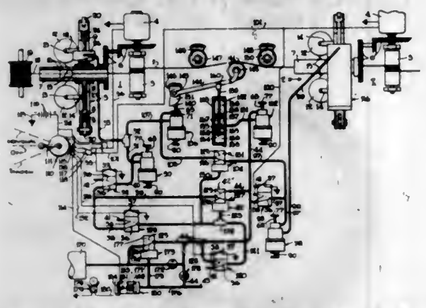
1. In an internal combustion engine including a governor and having an exhaust outlet and an

intake manifold, a valve for controlling delivery of air to the intake manifold, means sensitive to variances in temperature of exhaust gases in said exhaust outlet, pressure air operated means operated by operation of said temperature sensitive



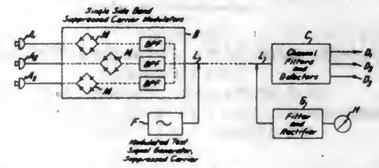
means for operating said valve to control the quantity of air delivered to said intake manifold and a valve controlled by operation of the governor of the engine for controlling delivery of pressure air to said pressure operated means.

2,558,885
BRAKE CONTROL APPARATUS
Roy R. Stevens, Forest Hills, and Ralph C. Brooks, Patton Heights, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 12, 1948, Serial No. 32,706
9 Claims. (Cl. 57—78)



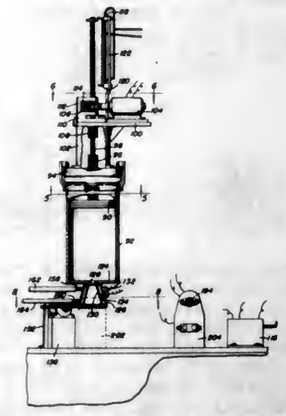
1. Control apparatus for a pair of rotatable elements comprising an individual motor for operating each of said elements, individual fluid pressure operable brake means for each of said elements, a source of fluid under pressure, an individual magnet valve device for each brake means for establishing a communication for supplying fluid under pressure from said source to the respective brake means upon energization thereof and for opening the respective brake means to atmosphere upon deenergization thereof, operator's control means having one position for rendering the two motors independently operable, another position for effecting operation of said motors in unison and a third position for rendering said motors ineffective and comprising means for energizing both of said magnets in said one and other position and for deenergizing same in said third position, valve means controlling communication between said source and one of said magnet valve devices controlled by said operator's control means and operative in said one position to open such communication and in said other position to close the communication, and other valve means controlling communication between the other magnet valve device and the brake means for the non-respective rotatable element also controlled by said operator's control means and operative in said one position to close the communication and in said other position to open the communication.

2,558,886
TRANSMISSION EFFICIENCY TESTED BY MODULATING CARRIER WITH LOW-FREQUENCY AND MEASURING LOW-FREQUENCY MODULATION COMPONENT
Frederick John Dunn Taylor, Wembley Park, and David Gordon Tucker, Amersham, England
Application October 20, 1947, Serial No. 780,900
In Great Britain November 1, 1946
4 Claims. (Cl. 179—175.3)



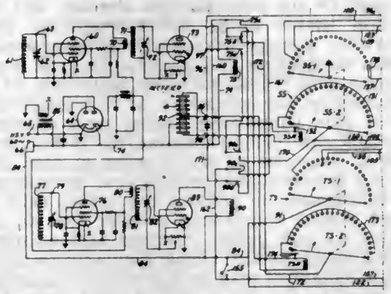
1. A multiple channel communication system of the type including a transmitting station with carrier suppression single side band modulators for transposing messages to bands of frequencies in channels at one side of and spaced from the carrier frequencies of the individual modulators, a receiving station connected to said transmitting station through a channel common to all of said modulators, said receiving station including band-pass filters for separating the bands of frequencies from each other, and means for measuring the transmission characteristics of the common channel; characterized by the fact that said measuring means includes carrier suppression modulator means at the transmitting station for imposing on said common channel a modulated test signal in a frequency range outside of the frequency ranges of said channels, the carrier frequency of the modulated test signal being the same as the carrier frequency of one of said modulators, means at the receiving station for demodulating said modulated test signal, and means responsive to the resulting demodulated voltage.

2,558,887
ICE-CREAM DISPENSER
Thomas R. Tesiero, Amsterdam, N. Y.
Application November 1, 1948, Serial No. 57,690
7 Claims. (Cl. 107—8)



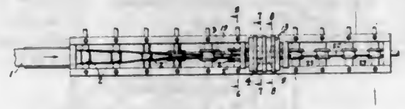
1. In a dispenser including a container having a bottom wall including a delivery opening, a mold carried by the bottom wall of said container communicating with said delivery opening, an expansible resilient sleeve mounted in said mold and spaced laterally from the walls of the mold, a closure for said mold, means for moving said closure to an open position, means responsive to an expansion of said expansible sleeve for actuating said moving means, and means normally retaining said closure in a closed position.

2,558,888
REMOTE-CONTROL SYSTEM
Cebern B. Trimble, Dayton, Ohio
Application March 15, 1946, Serial No. 654,561
17 Claims. (Cl. 177—353)



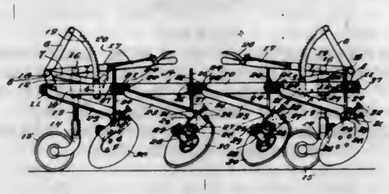
1. In a remote control system for controlling the operation of a closure for a structure from a vehicle, the combination of a closure-operating mechanism mounted in said structure; a receiving apparatus including means displaceable from a normal home position in response to signals which are made up of oscillations at one frequency and signals which are made up of oscillations at another frequency and effective, upon receipt of a preassigned signal sequence containing predetermined numbers and combinations of the different kinds of signals in a predetermined sequence, to initiate an operation of said closure-operating mechanism, and also including means for restoring the displaceable means to normal position in response to said two types of signals when said two types of signals are received alternately in rapid succession; and a sending apparatus carried by the vehicle, said sending apparatus including oscillating means for producing oscillations selectively at either of said two frequencies to generate and transmit the two types of signals, also including normally inoperable control means, which, when operable, controls the oscillating means to produce the two types of signals alternately in rapid succession, and including manually controlled means for first rendering the normally inoperable means operable, to cause rapidly-alternating signals to be generated and transmitted to cause the restoring means in the receiving apparatus to be operated to restore the displaceable means to home position, said manually controlled means thereafter directly controlling the oscillating means to cause the signals of the preassigned signal sequence to be generated and transmitted to cause an operation of the closure-operating mechanism, the restoring of the displaceable means in the receiving apparatus under control of signals sent from the vehicle immediately before the preassigned signal sequence is sent from the vehicle, erasing any improper displacement of the displaceable means and insuring that these means will operate properly and will initiate an operation of the closure-operating mechanism when the preassigned signal sequence is received.

2,558,889
METHOD AND APPARATUS FOR PROGRESSIVELY ELECTRIC RESISTANCE BUTT WELDING SEAMS AT HIGH SPEED
Sven Westin, Elm Grove, and Axel Westin, Milwaukee, Wis., assignors to The Westin Process Company, a partnership
Application November 10, 1948, Serial No. 59,262
33 Claims. (Cl. 219—10)



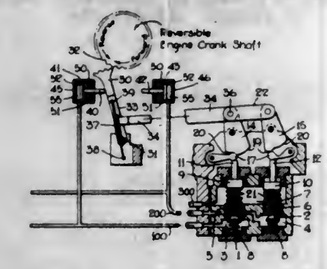
1. In the electric resistance progressive butt welding of substantially straight seams in articles constructed of metal sheet, plate material and the like, the conductive application of the resistance heating current across the abutting edges throughout a predetermined substantial zonal length of the seam, application of a sustained welding pressure throughout said zonal length, and the correlation thereof with the speed of movement of the material to obtain a sustained continuous upsetting action and completion of the weld at the abutting faces of the edges as the edges progress through the zone so that edge variations within reasonable tolerance limits are overcome without excessive heat back, the flow of heating current across the abutting edges being substantially confined to said zonal length.

2,558,890
WHEELED DISK HARROW
William W. White, Great Falls, Mont.
Application May 15, 1946, Serial No. 669,959
2 Claims. (Cl. 55—73)



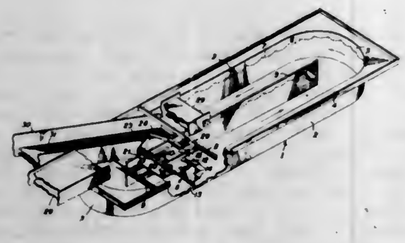
1. A gang disk harrow of the kind described comprising a main frame having intermediate cross rails therein, elbow arms pivoted to the frame and side rails, a plurality of hubs, extension ears secured to said hubs, said hubs being pivoted to said elbow arms, pivot pins for said hubs in said extension ears, means including an adjustable linking rod, linking said elbow arms to said cross rails for adjusting said arms independently of each other, disk cutters having axles journalled in said hubs, means for adjusting said hubs independently of each other, said means comprising a plurality of pairs of screw-threaded set screws, each pair of said set screws being screw-threadedly held in an extension ear, but being laterally movable with respect thereto, the individual set screws of each pair being disposed on opposite sides of said pivot pin and bearing against said elbow arm, whereby movement of said set screws with respect to said extension ear will adjust the angular position of said hub with respect to said elbow arm, adjustable castor wheels carried by said frame, means including a slidable axle for raising and lowering said castor wheels relative to said frame, and means for swinging said arms in gangs.

2,558,891
REVERSIBLE ENGINE CONTROL APPARATUS
Ralph T. Whitney, Irwin, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 27, 1949, Serial No. 106,995
6 Claims. (Cl. 192—3.5)



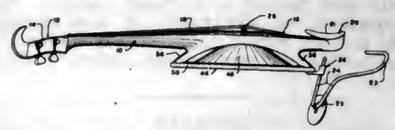
1. Apparatus for sensing direction of rotation of a reversible rotatable shaft comprising in combination, a pivotal element having a rest position at either side of and out of contact with said shaft and being adapted upon contact with said shaft to be moved thereby in the direction of either one or the other of said positions according to the direction of rotation of said shaft, a piston arranged to be operated by fluid under pressure to move said element from one of said positions into contact with said shaft, another piston arranged to be operated by fluid under pressure to move said element from the other of its positions into contact with said shaft, an engine forward control pipe arranged to convey fluid under pressure to and from said one piston, and an engine reverse control pipe for conveying fluid under pressure to and from said other piston.

2,558,892
AGITATING MECHANISM FOR AGITATING POTATO CHIPS IN COOKING LIQUID
Earl V. Wise, Sr., Berwick, Pa., assignor to Wise Potato Chip Company, Berwick, Pa.
Application July 14, 1948, Serial No. 38,675
5 Claims. (Cl. 99—406)



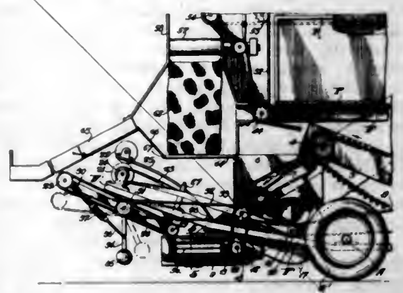
1. The combination with a receptacle for containing cooking liquid and potato chips to be cooked in the liquid, said receptacle having an outturned top gutter extending around the same, of a frame fitting in said gutter and fixed therein, a pair of track bars extending across said frame, a slide block mounted on said track bars to reciprocate between the same, an agitator head depending from said block into said receptacle to be reciprocated in said liquid by said block and comprising hinged flaps swingable in opposite directions by pressure of the liquid there against when said head is moved in opposite directions, and means to reciprocate said block.

2,558,893
STRING INSTRUMENT
Otto E. Wolff, Cambridge, Mass.
Application March 19, 1948, Serial No. 15,920
23 Claims. (Cl. 84—296)



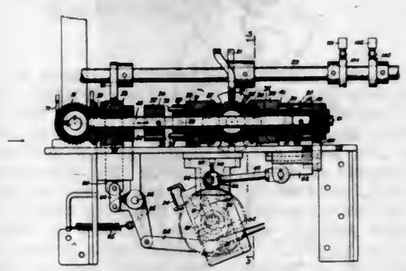
1. In a string instrument comprising supporting means, a plurality of strings mounted tautly on said supporting means, and a bridge member engaging at least one of said strings intermediate the ends of the taut portion thereof, the combination therewith of sound-producing means comprising a cone-shaped diaphragm mounted on said supporting means with its apex portion adjacent said bridge member and with its axis substantially perpendicular to the longitudinal axis of said supporting means, and means for mounting said bridge member for lateral movement in response to the bowing of said string and for transmitting said lateral movement to said diaphragm to actuate the latter, said last-named means comprising a lever free to move relative to said bridge member and a link extending substantially perpendicularly to the lateral movement of said bridge member connecting said lever to the apex of said cone-shaped diaphragm, lateral movement of said bridge member causing angular movement of said lever and movement of said link along its longitudinal axis to actuate said diaphragm.

2,558,894
POTATO HARVESTER AND CLEANER
Frank R. Wright, Nezperce, Idaho
Application November 4, 1946, Serial No. 707,614
1 Claim. (Cl. 130—30)



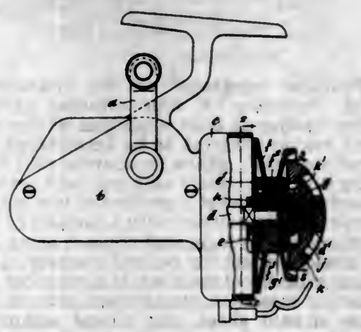
In a potato harvester and cleaner, the combination with a longitudinally-extending feed conveyor for conveying potatoes, a transversely-arranged separator conveyor arranged rearwardly of said feed conveyor, a pair of rollers arranged above and to the rear of said separator conveyor for stripping vines from said potatoes, and a rotating fan blower positioned below said feed conveyor for directing a blast of air toward said rollers, of an endless belt transfer conveyor interposed between said rollers and said separator conveyor for delivery of potatoes to the latter, said endless belt transfer conveyor being provided with an off-center pivotal support intermediate its ends, said pivotal support permitting said transfer conveyor to move in a vertical plane, and means for causing pivotal movement of said transfer conveyor, said means comprising a leg dependingly carried by said support, a counterbalancing weight secured to the lower end of said leg, and an adjustable brace connecting said leg to the longer end of said transfer conveyor.

2,558,895
LINK REDUCING RECIPROCATING KNITTING ATTACHMENT
John Allen Yankeelov, Roselle, N. J., assignor to Tisch Machine & Tool Company, Inc., Elizabeth, N. J.
Application January 16, 1948, Serial No. 2,735
5 Claims. (Cl. 66—86)



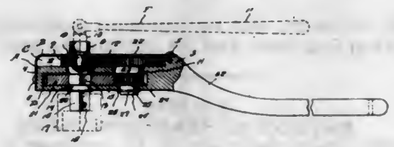
1. An improvement in knitting machines having revoluble pin links to be associated with thread guide bars which includes, a continuously driven drive shaft, a driven shaft associated with said pin links, connections between said shafts to intermittently turn the driven shaft in one direction or another including a reversing clutch mechanism associated with the driven shaft to reverse the intermittent motion thereof when operated, a linkage connected to said clutch mechanism, said linkage including a ratchet gear, a cyclically oscillated ratchet pawl operated from the drive shaft, a pattern control element operated cyclically from the drive shaft, and means associated with the pawl and operated by the pattern control element selectively to connect the pawl with the ratchet gear and operate the clutch mechanism.

2,558,896
FISHING REEL
James Robert Young, Howard Young, and Edward Emlyn Young, Redditch, England, assignors to J. W. Young & Sons Limited, Redditch, England, a British company
Application March 26, 1947, Serial No. 737,306
In Great Britain January 25, 1947
2 Claims. (Cl. 242—84.6)



1. In a fishing reel having a rotatable open ended casing, a line winding flyer mounted on said casing for rotation therewith, a reciprocating non-rotatable shaft mounted coaxially with said casing and a line reel mounted on said shaft for reciprocation therewith and controlled rotation relative thereto, the improvement in mechanism for signalling the rotation of said reel on said shaft, that consists in a toothed annulus on a radially extending face of said reel and having radially extending teeth; and a spirally shaped, substantially planar, ratchet spring fixed on said shaft with its spiral extending in the direction of rotation of said reel relative thereto and having an axially deformed, detent shaped portion at its end for engagement in said toothed annulus.

2,558,897
BOOSTER SOCKET WRENCH
Stuart M. Akins, Curundu, Canal Zone
Application March 7, 1947, Serial No. 733,101
1 Claim. (Cl. 81—57)

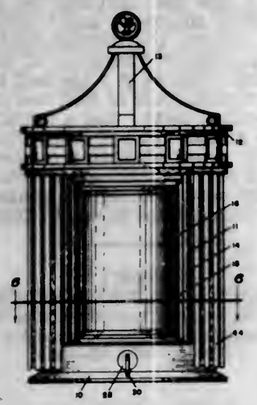


A booster socket wrench comprising a handle, a head positioned adjacent one end of said handle and secured thereto, a first shaft extending transversely through said head and rotatably supported therein, one end of said shaft projecting out of said head and being of multi-sided configuration for attachment of a socket wrench thereto, a pinion positioned adjacent the end remote from said projecting end of said shaft and mounted for rotation about said shaft as an axis, a second shaft extending transversely through said head and spaced from said first shaft and rotatably mounted in said head, a first gear mounted on said second shaft for rotation therewith and in meshing engagement with said pinion, a second pinion arranged in side by side spaced relation with respect to said first gear and mounted on said second shaft for rotation therewith, a second gear arranged in side by side spaced relation with respect to said first pinion mounted on said first shaft for rotation therewith, and in meshing engagement with said second pinion, and a socket positioned exteriorly and transversely of said head and having one end fixedly secured to said first pinion and adapted to drivingly engage the squared socket of a socket wrench.

2,558,898
TABERNACLE
James F. Campbell, Milton, Mass.
Application November 30, 1946, Serial No. 713,305
1 Claim. (Cl. 312—33)

A tabernacle safe comprising stationary concentric shells spaced to provide intermediate air spaces and having a front opening, a stationary bottom plate, a circular plate rotatably mounted thereon, an arcuate door carried by said rotatable plate and shaped to close said front opening, a vertical bar movable with the rotary plate and located at the rear side of the safe when the door is closed, a latch carried by the stationary bottom plate and movable to engage said bar for

locking the door, a lever pivotally mounted on the under side of the bottom plate and engaged



with the latch, and key operated mechanism for rocking said lever and for moving the said door.

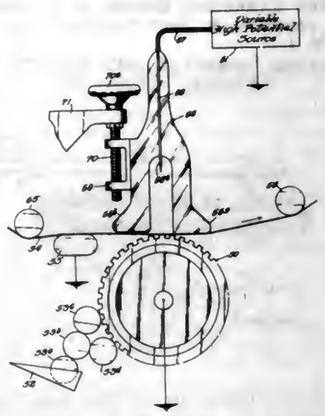
2,558,899
METHOD OF BLANCHING NUTS
Philip Green, Seabrook, N. H., assignor to Seabrook Associates, Tyrone, Pa., a partnership
Application July 1, 1949, Serial No. 102,496
2 Claims. (Cl. 146—230)



1. A method of blanching peanuts which consists in slitting the skins on the peanuts from end to end of the peanuts, passing the slitted peanuts through a water scalding bath approximating boiling temperature for a period approximating one minute, spraying the slitted and scalded peanuts with hot water as they emerge from the bath, and gently rubbing the slitted, scalded and sprayed peanuts to remove the skins without breaking the peanuts.

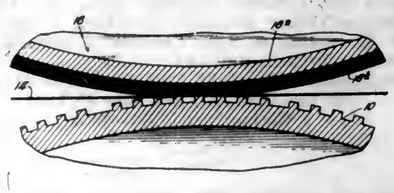
2,558,900
ELECTROSTATIC PRINTING METHOD AND APPARATUS
William J. Hooper, Elsah, Ill., assignor, by mesne assignments, to William C. Huebner, New York, N. Y.
Application March 26, 1945, Serial No. 584,835
2 Claims. (Cl. 101—219)

1. A printing couple comprising a rotating type cylinder provided on its circumference with design portions, means for inking said design portions, means electrically grounding said cylinder, guide means cooperatively arranged with respect to said cylinder, means for moving a web of print receiving material in contact with said guide means and in non-pressure contact with the ink on said design portions of said cylinder and at a lineal speed correlated to the relative speed of said cylinder, means operatively associated with said guide means and connected to the positive pole of a high potential electrical source and creating an electrical field of force the lines of force of which extend beyond said guide means to said cylinder and act to transfer ink from said design portions to said web of print receiving material, said guide means comprising a member formed of insulating material and having spaced leg portions one of which contacts said web after the latter has passed out of contact with the ink



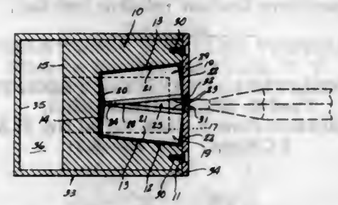
on said design portions of said cylinder while the other of which is out of contact with said web, the means that is operatively associated with said guide means comprising an electrode element having a free end located intermediate said legs of said guide means and an electrical connection between said element and the positive pole of a high potential electrical source.

2,558,901
ELECTRIC PRINTING SYSTEM
William J. Hooper, Elsah, Ill., assignor, by mesne assignments, to William C. Huebner, New York, N. Y.
Application April 27, 1945, Serial No. 590,704
5 Claims. (Cl. 101—426)



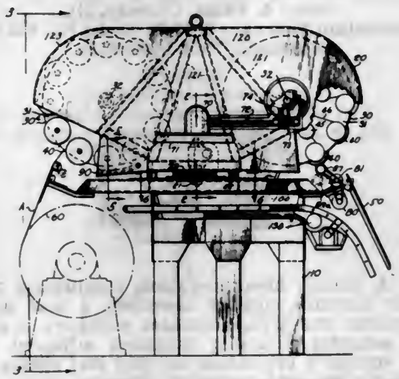
1. Printing apparatus of the character described, including: a first rotating cylindrical member having at least a portion of the surface thereof coated with ink to be transferred; a web of sheet material; means for moving said web and causing it to pass closely adjacent said coated surface and with at least a portion of one surface of said web in light contact with a portion of the ink on said coated surface, said contact being insufficient to alone effect the desired transfer; a second rotating cylindrical member, this member having conducting means in engagement with the other surface of said sheet, this means comprising a surface layer of conducting readily resilient material; and means for passing a current through said sheet and the ink in contact therewith.

2,558,902
PENCIL LEAD SHARPENING DEVICE
Takeo Itano, Chicago, Ill.
Application February 14, 1950, Serial No. 144,085
2 Claims. (Cl. 120—90)



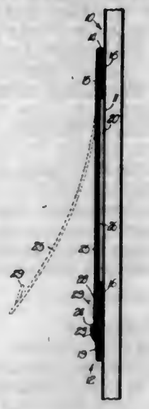
1. A pencil sharpener comprising a block having a main recess formed therein and opening to one end thereof, the block being provided upon opposite sides with grooves which form passages extending longitudinally of the block and communicating with said main recess at respectively opposite sides of the latter, opposed stacks of cutting blades mounted in said main recess and arranged to provide between the cutting edges of the blades a tapering passage extending longitudinally of the stacks and opening at one end to the open end of said main recess, a cover plate secured to said block at said one end thereof and extending marginally beyond the adjacent end of the block, said cover plate having a small opening therein leading into the larger end of said tapered passage, and an exterior casing receiving said block therein and abutting at one end against the marginal portion of said cover plate, said casing having its other end spaced from the other end of said block to form a graphite-receiving chamber in communication with said grooves.

2,558,903
SERVICING MACHINE FOR BUILDING TIRES
Edward C. Kastner, Akron, Ohio, assignor to Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application April 12, 1949, Serial No. 87,011
11 Claims. (Cl. 154—10)



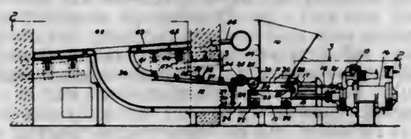
4. In a servicing machine, the combination of a movable carrier, a set of stock-carrying rolls arranged therein, and means for rotating any roll in the loading position to wind up a strip thereon, said means comprising a roller adapted to engage such positioned roll, a rocking frame carrying the roller, a rotary member at the axis of the frame connected with said roller to rotate the same, and mechanism for rotating said rotary member in the direction tending to cause engagement of said roller with the stock-carrying roll.

2,558,904
WINDOW DEVICE FOR GARMENT BAGS AND LIKE CONTAINERS
William R. Kohl, Glenview, Ill.
Application August 8, 1947, Serial No. 767,448
9 Claims. (Cl. 206—45.31)



6. A window device for a container of the type having an apertured wall, comprising a pair of integrally and hingedly connected, inner and outer superposed sections having aligned viewing openings positionable in register with the aperture of said container wall in the operative position of said sections, said outer section having a flap connected thereto which is of substantially larger area than the opening in said inner section and is positioned in overlapping relation to the margin of said last named opening, said flap being shiftable to a position in spaced relation to said openings, and a single transparent window sheet adhesively secured to both of said sections in covering relation to the respective openings therein.

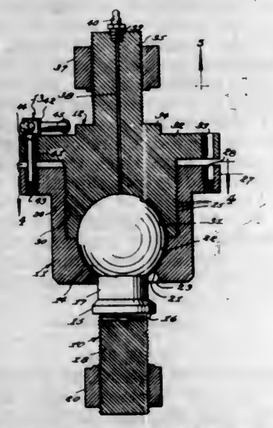
2,558,905
RAM FEEDER FOR BURNING WOOD REFUSE
Henry Kreisinger, deceased, late of Piermont, N. Y., by Ella Martha Kreisinger, executrix, Piermont, N. Y., assignor, by mesne assignments, to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application August 1, 1946, Serial No. 687,646
6 Claims. (Cl. 198—226)



1. In feeder apparatus for handling material typified by fuel in the form of wood chips and the like, the combination of a conduit for conducting said material to a point of delivery, a hopper communicating with said conduit and adapted to hold a supply of the aforesaid material in readiness for downward filling into a given portion of the conduit, a ram disposed within the said given conduit portion, means for reciprocating said ram through recurring strokes of forward and rear-

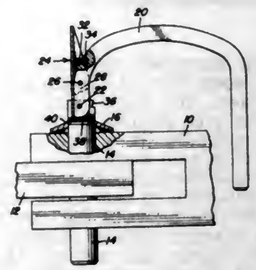
ward travel whereby during each rearward stroke some of aforesaid material fills from the hopper into the conduit ahead of the ram and during each forward stroke the ram pushes that material from beneath the hopper on into the conduit and toward said point of delivery, a roller forming the juncture of the hopper side that is towards said point of delivery and the conduit top beneath which the material is forced by the ram during said forward strokes thereof, and resilient mounting means for said roller serving to urge same against the said material passing thereunder into the conduit ahead of the ram and allowing that passing material to move the roller upwardly as the configuration of the material may require for relatively easy entry thereof into the conduit beyond the ram, said mounting means being further effective to establish for the roller a lowermost position that leaves beneath the roller an area of conduit cross section which is substantially less than the conduit cross section beyond the roller in the direction of said delivery point whereby material pushed under the roller in the manner aforesaid enters an area of conduit cross section sufficiently large to minimize jamming of the material in the conduit portion so entered.

2,558,906
TRAILER HITCH
Peter R. Leon, Schooleys Mountain, N. J.
Application April 4, 1950, Serial No. 153,948
2 Claims. (Cl. 280—33.17)



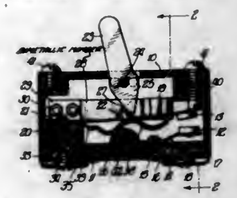
1. A trailer hitch comprising a bolt having a spherical ball on one end, an annular collar adjacent said ball and a screw threaded shank at the side of said collar opposite said ball, a first socket member having a bolt receiving aperture in one end and a partly spherical concavity surrounding said aperture and receiving the portion of said ball adjacent said collar, said first socket member also having an internally screw threaded annular wall extending from said one end in surrounding relationship to said concavity and having at its other end an outwardly extending annular flange provided with a plurality of angularly spaced apart apertures, a second socket member having a screw threaded plug portion threaded into the annular wall of said first socket and provided in one end with a partly spherical concavity receiving the portion of said ball remote from said collar, said second socket member having at the other end of said plug portion an outwardly extending annular flange provided with a plurality of angularly spaced apart apertures and a screw threaded shank extending from said other end of said plug portion substantially coaxial with the latter, and a bolt receivable in an aperture in the flange of said second socket member and threadable into a registering aperture in the flange of said first socket member to lock said socket members against relative rotation.

2,558,907
AUTOMATIC LOCKING COUPLING PIN
Fred E. Milner, Ossian, Ind.
Application June 6, 1949, Serial No. 97,345
3 Claims. (Cl. 85—8.3)



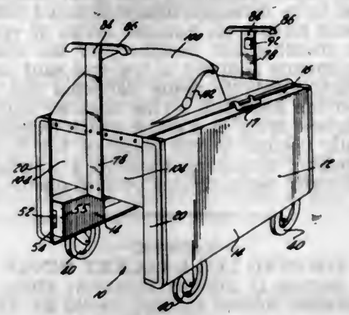
1. A locking coupling pin construction comprising a straight shank bifurcated at its upper end, a U-shaped frame having one end pivoted to and received between the furcations of the shank, a U-shaped latch member including flanges connected by a web portion, said latch member straddling the frame and pivoted thereto adjacent said one end, the upper portion of one of the furcations of the shank having a locking surface, a locking dog on one of the flanges of the latch member adapted to lockingly engage the locking surface of the shank when said one end of the frame is at right angles to the shank, and spring means connecting the latch member and the U-shaped frame and yieldingly urging the locking dog into a position to engage the locking surface.

2,558,908
CIRCUIT BREAKER SWITCH
Isaac A. Paige, Chicago, Ill.
Application February 9, 1946, Serial No. 646,627
6 Claims. (Cl. 200—116)



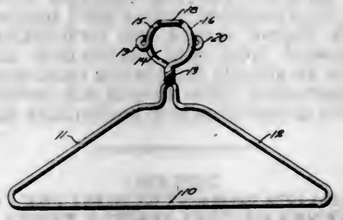
1. A circuit breaker switch comprising relatively movable contact members, a leaf spring mounting one of said contact members, a manual actuator pivotally mounted adjacent said leaf spring, a projection on said leaf spring engageable by said actuator whereby when said actuator is positioned on either side of said projection said contact members will be disengaged and when said actuator is engaged with said projection said contacts will be engaged, said projection and said actuator being so shaped that they will not be normally held in engagement with each other, a resiliently mounted bimetallic member normally urged to a position in engagement with said leaf spring, a projection on said bimetallic member engageable by said actuator at one end of its path of movement to move said bimetallic member out of engagement with said leaf spring.

2,558,909
COLLAPSIBLE WHEELED VEHICLE
Maurice Partiot, New York, N. Y.
Application June 25, 1948, Serial No. 35,147
7 Claims. (Cl. 280—37)



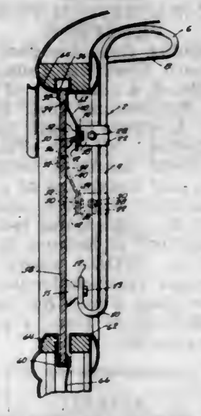
1. A collapsible wheeled crib device of the character described comprising a pair of cooperating hollow shell members opening towards each other, a pair of wheels mounted on and within each shell, adjacent the ends thereof, a linkage system connecting the two shells, a cable connecting the wheels at each end of the device in pairs, the cable being connected to certain of the links and responsive to movement thereof, the linkage system being contractible to bring the shells together with the wheels disposed therewithin to simulate a suitcase, a crib floor portion connected to the linkage system and disposed within the suitcase on contraction of the linkage system, said floor portion on extension of the linkage system and separation of the shells being raised into operative position at right angles to the shells, to form a crib having a floor and side wall portions, extension of the linkage system also actuating the cable to shift the wheels from within the shells out therefrom and into ground engaging position.

2,558,910
GARMENT HANGER
John David Peacock, Sr., Westville, N. J.
Application July 30, 1948, Serial No. 41,453
2 Claims. (Cl. 223—88)



1. A garment hanger comprising a single piece of wire having a first portion adjacent one end folded backwardly with respect to said piece and at an angle to the latter, a second portion adjacent the other end being folded in converging relation with respect to said first named portion, said second portion being positioned at an angle with respect to said wire substantially the same as that of said first named portion, the converging parts beyond said portions adjacent to the free ends of said wire being twisted about each other, with one part beyond the twisted portion being sent to form a loop and the other of the parts beyond the twisted portion being bent in the opposite direction to form another loop, said loops being arranged in side by side abutting relation with respect to each other, each of said loops being fabricated of resilient material and being provided with an offset, the offsets being arranged in opposed relation with respect to each other to form an opening therebetween for receiving a supporting element upon the application of a spreading force to said loops.

2,558,911
CLOTHES HANGER FOR AUTOMOTIVE VEHICLES
William A. Penn, Bothell, Wash., assignor to Penn Products, Inc., Tomahawk, Wis.
Application August 12, 1949, Serial No. 109,860
5 Claims. (Cl. 248—206)

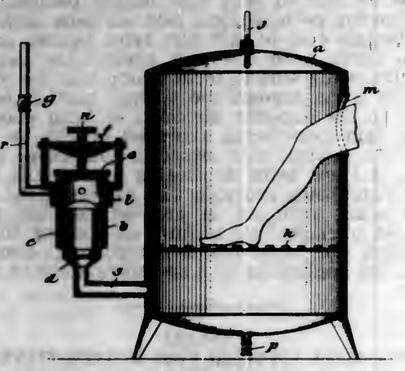


1. A garment hanger comprising a strip of material bent at one end to form a hook element for engagement against the upper edge of a glass windowpane, an extension formed on the other end of said strip, an elongated tubular member mounted on said extension intermediate the ends of said member, a clothes hanger supporting arm projecting laterally from one end of said member, and means on the other end of said member resiliently securing said other end to said pane.

2,558,912
MEDICAL BATH
Jozef Radelicki, Warsaw, Poland
Application June 19, 1947, Serial No. 755,611
In Poland December 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 12, 1965
1 Claim. (Cl. 128—368)

Apparatus for treating a human body including a source of steam, a bathing vessel, a body supporting grid in said vessel, a steam conduit from said source connected into said vessel below said grid, a container interposed in said conduit, a drum for containing substances for saturation of said steam in said container, said drum being screw connected in said container, a net in said

container below said drum for supporting said substances, a lid on said container, and bracket

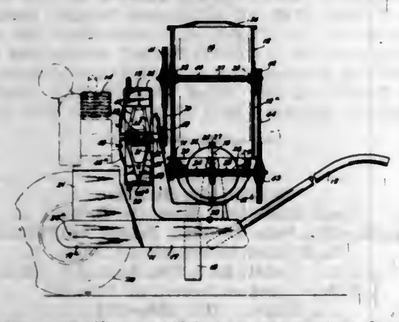


means including a screw for securing said lid on said container.

2,558,913
LITHIUM MAGNESIUM TUNGSTATE PHOSPHOR
Alexander Pershing Rice, London, England, assignor to Thorn Electrical Industries Limited, London, England, a company of Great Britain
No Drawing. Application April 15, 1947, Serial No. 741,700. In Great Britain April 26, 1946
2 Claims. (Cl. 252—301.5)

1. A luminescent material sensitive to 3650 A. U. radiation and consisting of a compound of lithium, magnesium, tungsten and oxygen, the composition of the compound being such that, when the compound is defined by the formula $(Li_2O)x$, $(MgO)y$, $(WO_3)z$, where the letters x, y and z represent gram-molecular proportions, firstly y is less than x and not less than $x/20$, and secondly the sum of x and y is not less than z and not more than $2z$.

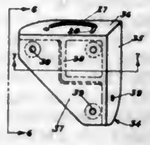
2,558,914
DUSTING MACHINE
Ralph R. Root, Lakewood, Ohio
Application September 3, 1947, Serial No. 771,952
3 Claims. (Cl. 43—148)



1. In a dusting machine, a support, a hopper adapted to contain a supply of dust, a blower mounted on said support adjacent said hopper and having an intake opening and a discharge means for discharging a dust and air mixture, means defining an air intake conduit leading to said intake opening, rotary driving means mounted on said support and operably connected with said blower for driving the same, means for feeding dust from said hopper to said intake conduit including a rotary member adapted to be driven, means mounting said hopper on said support for movement relative thereto, belt means connecting said rotary member with said rotary driving means to be driven therefrom, and means tending to impart movement to said hopper relative to said support and in a direction to cause tightening of said belt means.

3. In a dusting apparatus, a hopper adapted to contain a supply of dust and having an opening in the wall thereof for discharging said dust, a rotary shaft extending into said hopper and adapted to be driven, a disk connected with said shaft and having an annular series of openings therein dividing the periphery of the disk into blade elements adapted to traverse said opening, said blade elements being deflected out of the plane of the disk, and a ring member carried by the disk and lying in a plane which extends substantially normal to the plane of the disk, said ring member extending through a substantially diametrically opposed pair of said openings.

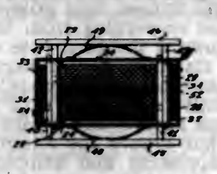
2,558,915
FOLDING LEG BRACKET HINGE
Andrew D. Sheffer, Brighton, Mich.
Application August 26, 1947, Serial No. 770,633
2 Claims. (Cl. 311—99)



1. A folding leg bracket hinge comprising a horizontally disposed plate, a first vertically disposed plate arranged along and secured to one side edge of said plate, a second vertically disposed plate arranged along and secured to one end edge of said horizontally disposed plate, a first tab arranged in parallel spaced relation with respect to said first vertically disposed plate and dependingly carried by said horizontally disposed plate, and a second tab arranged in parallel spaced relation with respect to said second vertically disposed plate and dependingly carried by said horizontally disposed plate, said tabs and the adjacent portions of said first and second vertically disposed plates together forming a rectangular socket for embracingly receiving one end of a table leg, one of said vertically disposed plates being provided with a closed slot for slidably receiving a hinge pin carried by the one end of said table leg, said slot including a straight slot portion extending from a point intermediate the ends thereof toward and terminating at a point spaced from said horizontally disposed plate and an arcuate slot portion extending from said intermediate point toward and terminating at a point spaced from said horizontally disposed plate.

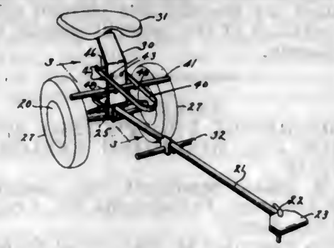
2,558,916
APPARATUS FOR EXTRUDING THE CONTENTS OF COLLAPSIBLE TUBES
George H. Snyder, Toledo, Ohio
Application May 23, 1947, Serial No. 750,086
2 Claims. (Cl. 222—102)

1. An appliance for extruding the contents of a collapsible tube comprising a housing open at the top and bottom thereof, a pair of substantially parallel rollers rotatable in said housing and disposed in frictional engagement with each other, a first pinion secured to one end of one of said rollers, a second pinion secured to the corresponding end of the other roller and meshing with the first pinion, a pair of opposed actuator bars slidably supported on opposite sides of the housing, arms on said actuator bars slidable through said



housing near the peripheral edges of the pinions, a spring pressed dog rockable on one of said arms and engaging one of said pinions, and spring means connected with said actuator bars for urging the same outwardly from the housing whereby movement of the actuator bars toward each other actuates said rollers for compressing a collapsible tube arranged therebetween.

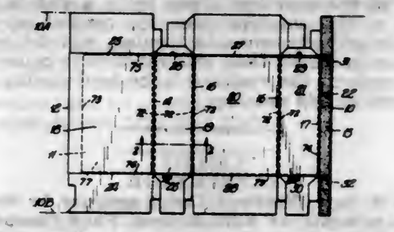
2,558,917
BRAKING DEVICE FOR AGRICULTURAL VEHICLES
Walter M. Woodard, Willoughby, and Albert E. Taylor, Mentor, Ohio, assignors to Bready Tractor & Implement Company, Solon, Ohio, a corporation of Ohio
Original application July 28, 1948, Serial No. 41,075. Divided and this application October 25, 1949, Serial No. 123,478
5 Claims. (Cl. 188—19)



1. The combination of an axle frame, a pair of wheels respectively at opposite ends thereof, a standard secured to the axle frame and rising centrally therefrom, a seat on the upper end of the standard, a lever in the form of a U-shaped yoke with its arms extending about opposite edges of the standard, means for pivoting said arms to the standard, a cross bar secured to the yoke in front of the standard behind the U-bend thereof, said cross bar extending across the periphery of the wheels, and means normally maintaining the cross bar out of engagement with such periphery while allowing it to assume such engagement on downward pressure on the loop of the yoke.

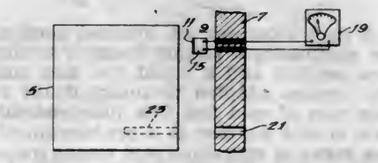
2,558,918
LINED CARTON
Julius A. Zinn, Jr., Chicago, Ill.
Original application March 19, 1947, Serial No. 735,663. Divided and this application July 2, 1948, Serial No. 36,705
5 Claims. (Cl. 229—14)

5. In a tube, in combination, a sheet of material provided with crease lines to form panels providing the sides of said tube and a liner adhesively secured to said sheet, said liner being provided with a plurality of sets of scored portions, each of said sets consisting of a middle scored portion adapted to be located in juxtaposition with a crease line on said sheet and two scored portions parallel with said first mentioned scored



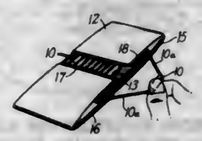
portion, said middle scored portion being reversely bent with respect to the other of said scored portions and with respect to the re-entrant angle formed at the corresponding crease lines of said sheet, said liner being free of adhesive at the spaces between the outermost scored portions of each of said sets.

2,558,919
METHOD FOR MEASURING RADIATION OF NEUTRONS
Walter H. Zinn, Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application May 22, 1945, Serial No. 595,187
2 Claims. (Cl. 250—83)



1. The method of determining the rate of power output of a neutronic reactor which comprises introducing into the reactor abutting layers of thermal neutron fissionable material and phosphorescent material, maintaining said layers in the reactor for a sufficient period of time to produce substantial fission, removing said layers from the reactor, and measuring the luminescence of the phosphorescent layer while retaining the layers in abutment, so that the decay of luminescence of the phosphorescent layer is diminished by the continued radioactivity of the fissionable material layer.

2,558,920
CONTAINER FOR RESISTORS OR THE LIKE
Robert N. Baggs, Haddonfield, N. J., assignor to International Resistance Company, Philadelphia, Pa.
Application November 28, 1947, Serial No. 788,731
4 Claims. (Cl. 206—46)



1. As an article of manufacture an envelope having semi-rigid flat sides and a central open-

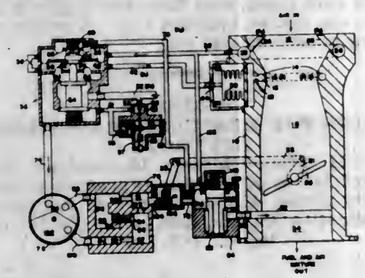
ing extending crosswise throughout the central portion thereof, said envelope being of a size sufficiently large to hold a group of resistors in flat alignment and said opening being large enough to expose the body portions of the resistors with the wire ends thereof extending into the opposite ends of the envelope, there being a slot in one edge of the envelope near the central portion thereof and adjacent said opening, said slot being shorter in length than said resistors to cause the wire ends of the resistors to be bent during the removal of said resistors.

2,558,921

CARBURETOR

John M. Barr, Elmwood, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey

Application January 16, 1946, Serial No. 641,532
16 Claims. (Cl. 261—41)



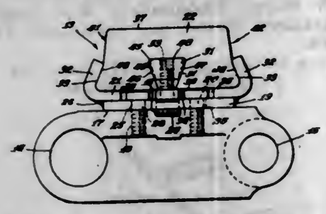
16. A carburetor for an internal combustion engine, comprising a mixing chamber having an air flow conduit and a liquid fuel flow conduit thereto; means adapted to automatically regulate the rate of said fuel flow independently of the rate of said air flow in a predetermined low air flow range of operation, said means including a valve actuated by a diaphragm responsive to the fuel pressure differential which regulates said fuel flow; and means for regulating the rate of said fuel flow so that it bears a substantially constant ratio to the rate of said air flow in all other ranges of engine operation.

2,558,922

CRAWLER TRACTOR SHOE AND RUBBER TREAD THEREFOR

William O. Bechman, Chicago, and William W. Henning, Riverside, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application July 12, 1947, Serial No. 760,644
8 Claims. (Cl. 305—10)



4. In a track shoe structure for attachment to track link means of a crawler tractor, a tread-block retaining plate having parallel retaining flanges with respective sides extending along opposite edges of said plate and projecting over a face thereof in opposed converging relation, a rubber block having a base face in contiguous relation to said face of the plate and diverging side face portions in contiguity with and embraced by said sides of the flanges, said block also having a groove in its base face in parallelism with said flanges, said groove having opposed flat faces converging from the bottom of such groove toward the base face of the block, an elongated clamping bar of keystone section disposed in said groove with opposite converging sides in respective contiguity with the converging faces of the groove, and means for drawing the clamping bar toward the retaining plate incident to compressing and gripping the block between said sides of the clamping bar and said sides of the retaining flanges.

2,558,923

PROCESS OF PURIFYING ETHYLENE DIAMINE DI-ACETIC ACID

Frederick C. Bersworth, Verona, N. J.

No Drawing. Application May 12, 1948, Serial No. 26,727
1 Claim. (Cl. 260—534)

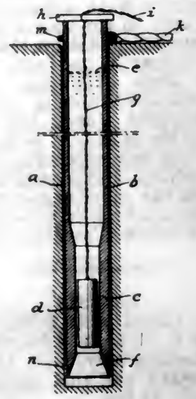
The method of treating an aqueous solution containing the sodium salt of ethylene diamine diacetic acid and sodium hydroxide to recover the diacetic acid therefrom which comprises acidifying the solution with sulfuric acid to a pH of 6.5, removing the water of solution to the extent producing precipitation of the major portion of the sodium sulfate without substantial precipitation of the diacetic acid, removing the precipitated sodium sulfate from the solution and adding ethyl alcohol to the solution in an amount precipitating the diacetic acid without substantial precipitation of the residual sodium sulfate present therein.

2,558,924

SEISMOGRAPHIC PROSPECTING APPARATUS FOR DIRECTING EXPLOSIVE ENERGY

Norman B. Blake, Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application November 20, 1945, Serial No. 629,728
4 Claims. (Cl. 181—.5)



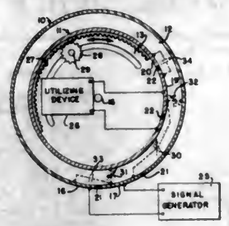
1. Seismographic apparatus for directing explosive energy in boreholes within the earth comprising a borehole casing, an explosive charge suspended within and above the bottom of the casing and a substantial distance above the bottom of the borehole, the part of the casing enclosing the explosive charge being of substantially greater thickness than the remainder of the casing, a readily disruptable member closing the bottom of the casing, and a liquid column resting on said member and extending to a substantial distance above the explosive charge.

2,558,925

CAPACITANCE ATTENUATOR

David F. Bowman, Bayside, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application January 21, 1947, Serial No. 723,287
2 Claims. (Cl. 178—44)



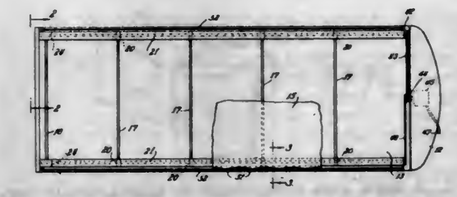
1. An adjustable capacitance attenuator having equal input and output capacitances for all adjustments thereof comprising, inner and outer cylindrical plate members mounted for adjustment about a mutual longitudinal axis, means rotating one said member with respect to the other said member, longitudinal insulating segments dividing each said member into unequal cylindrical segments, the corresponding segments of the inner and outer members, respectively, subtending the similar solid angles at the axis, means for connecting the plate segments of one said member to an input circuit and the plate segments of the other said member to an output circuit, and adjusting means rotating one plate member relative to the other plate member about said axis, thereby to similarly and simultaneously change the input and output capacitances.

2,558,926

CONVERTIBLE TOP STRUCTURE

Donald E. Bramble, Chicago, Ill.

Application October 31, 1947, Serial No. 783,345
3 Claims. (Cl. 296—105)



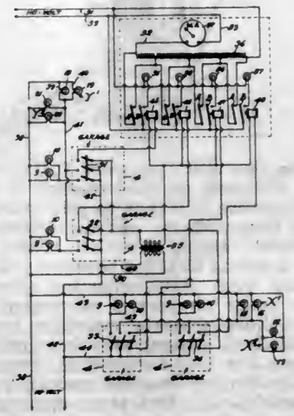
3. A construction of the character described, comprising: a vehicle body having side walls and normally open at the top; top rails fixed to the upper edges of said side walls; hollow guides fixed to the upper surfaces of said side rails and inwardly of said side walls of said top rails; guide cables carried by said top rails between said hollow guides and the outer margins of said top rails; a flexible covering adapted to cover the open top of said vehicle body; harness snaps connected to the edges of said covering and snapped over said guide cables; cross members having end portions movably mounted in said hollow guides and connected to said covering; actuating means in said hollow guides connected to a predetermined cross member; a pair of nuts carried by said actuating means, one of said nuts held against rotation in one direction and the other held against rotation in the opposite direction; and an operating screw having threaded engagement with said nuts.

2,558,927

PARKING SYSTEM

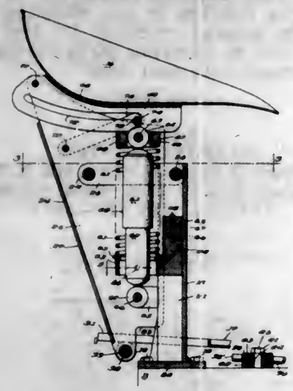
Willard C. Brinton, New York, N. Y.

Application July 29, 1946, Serial No. 687,031
6 Claims. (Cl. 177—311)



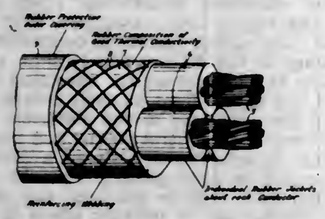
1. A signal system for use with a group of garages for directing cars to said garages and indicating the availability of parking space therein, each of said garages having an entrance on a street, said system including a signal light located at the entrance to each garage so as to indicate the position thereof, each of said signal lights being of such character that it may be seen from the street at a greater distance from the entrance than that at which the condition of the garage for the reception of cars can be directly observed, a signal light located at a distance from the entrances to at least some of said garages and visible along a street different from the street on which the entrance to at least one of said garages is located, electrical connections from each garage to the signal light associated with the entrance to such garage, electrical connections from each garage to the distant signal light, and control means at each garage for changing the condition of the signal light at such garage and for changing the condition of the electrical connections between such control means and the distant signal light in accordance with the availability of parking space in such garage, whereby the distant signal light may be set from any garage to indicate availability of parking space in at least one member of the group of garages when there is such space available and will be set to indicate the absence of availability of parking space anywhere within the group of garages only if the control means at each of the garages of the group are all set to indicate absence of parking space in the responsive units.

2,558,928
RESILIENTLY MOUNTED OPERATOR'S STATION FOR TRACTORS
Harry F. Bryan, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 20, 1946, Serial No. 663,648
9 Claims. (Cl. 155—9)



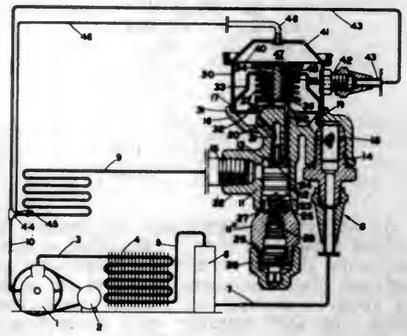
3. In an operator's support for a tractor, a standard mounted on said tractor, a seat-supporting structure adjacent to said standard and connected therewith for vertical movement relatively thereto, spring reaction means on said standard, a spring disposed between said reaction means and said seat-supporting structure to yieldingly resist downward movement of such structure, shock-absorber reaction means also on said standard, a shock-absorber unit connected between the seat-supporting structure and said shock-absorber reaction means, a platform to accommodate the feet of an operator, means pivotally supporting a portion of said platform on said seat-supporting structure, and additional supporting means on the tractor at a portion of the platform spaced from the first portion, and said additional supporting means supporting said platform in a fashion accommodating movement thereof with the seat-supporting structure.

2,558,929
RUBBER INSULATED POWER CABLE
Stephen Bunish and Herbert C. Witthoft, Marion, Ind., assignors to Anaconda Wire and Cable Company, a corporation of Delaware
Application April 11, 1947, Serial No. 740,932
10 Claims. (Cl. 174—116)



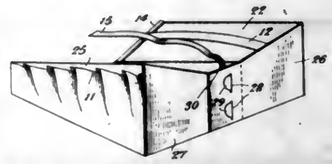
1. Rubber-insulated power cable comprising a plurality of conductors each having a rubber insulating jacket, a filler in the interstices between the insulated conductors, and a rubber outer covering, the filler being a rubber composition which contains 5% to 20% by weight of graphite, has an electrical resistivity at 75° F. of at least 4×10^6 ohms per cubic centimeter and possesses sufficiently good thermal conductivity that the midpoint of the upper surface of a layer thereof 6 inches in diameter and three-fourths of an inch thick, originally at a temperature of 77° F., will reach a temperature of 160° F. at least within 25 minutes when the layer is placed on a hotplate maintained at 280° F.

2,558,930
THERMOSTATIC EXPANSION VALVE HAVING PRESSURE RESPONSIVE MEANS FOR VARYING THE SUPERHEAT SETTING THEREOF
Franklyn Y. Carter, Dearborn, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application May 29, 1947, Serial No. 751,321
10 Claims. (Cl. 62—8)



6. In an expansion valve for controlling the flow of a refrigerant medium to a refrigerant evaporator, a casing having an inlet and an outlet and an interconnecting passageway therebetween, a valve member controlling flow through said passageway, means biasing said valve member toward a valve closed position, temperature responsive means for moving said valve member toward an open position, and pressure responsive means adapted to vary automatically the superheat setting of said valve in accordance with the differential of pressure across the refrigerant evaporator.

2,558,931
BOOKREST
Herbert S. Chase, Flushing, N. Y.
Application April 1, 1948, Serial No. 18,369
7 Claims. (Cl. 281—33)

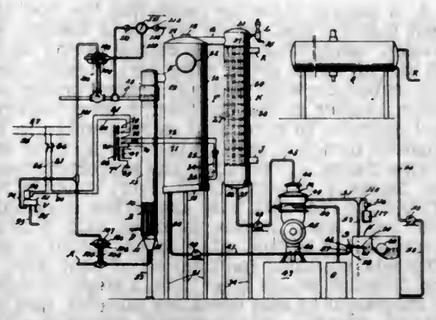


1. A book rest comprising a substantially rectangular center panel, cover-rest panels adjacent each longer margin of said center panel and foldable along such longer margins, tapered side panels adjacent each of the outer margins of said cover-rest panels and foldable along said outer margins, said side panels having outer edges slanted inwardly from the rearmost to the frontmost portions thereof, and tapered back panels adjacent the rearmost margins of said side panels and foldable along said rearmost margins, said back panels having substantially linear inner edges which slant outwardly from the broader frontmost to the narrower rearmost portions of said back panels, the slant angles of said outer edges of said side panels and of the said inner edges of said back panels being so selected that upon outwardly folding each of said side and back panels to the position where said inner edges of said back panels are under and substantially parallel with the rearmost margins of said back-rest panels, the outer edges of said side and back panels and the frontmost edge of said center panel will lie in the same plane.

2,558,932
OPACIFIER FOR VITREOUS ENAMELS AND METHOD OF MAKING
William W. Coffeen, Union, N. J., assignor to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 7, 1949, Serial No. 92,091
4 Claims. (Cl. 106—312)

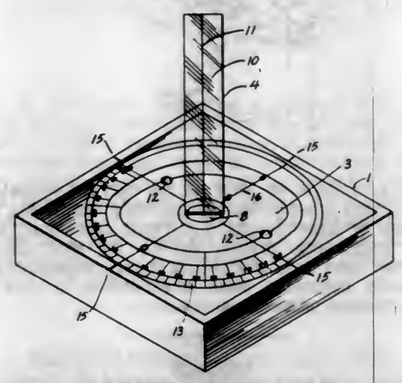
1. A preformed opacifier for a vitreous enamel consisting of 6 to 32% by weight of calcium oxide, 6 to 30% by weight of calcium fluoride, and 54 to 83% by weight of antimony pentoxide, the sum of the calcium oxide and calcium fluoride not to exceed 46% by weight.

2,558,933
DISTILLATION APPARATUS FOR REMOVING OIL FROM CITRUS FRUIT JUICES
Joseph A. Cross, Westerville, Ohio, assignor to Mojonnier Bros. Co., a corporation of Illinois
Original application October 31, 1945, Serial No. 625,741. Divided and this application May 21, 1947, Serial No. 749,544
4 Claims. (Cl. 202—197)



1. In an apparatus for continuously treating an aqueous liquid containing a volatile oil, the combination of a heater and means for continuously flowing fresh liquid therethrough, means for introducing a heating medium into said heater for heating the liquid during passage therethrough for vaporizing the greater portion of the oil and a relatively small portion of the water in said liquid, an expansion chamber connected with said heater for receiving and separating the heated liquid and said vapors, a condenser connected to and receiving the vapors from said chamber and having cooling means for condensing said vapor, an ejector connected with the vapor space in said condenser for withdrawing non-condensible gases and impressing a partial vacuum on the condenser, chamber and liquid in the heater, a separator connected with the condenser to receive the vapor condensate therefrom and adapted to separate the lighter oil vapor condensate from the heavier water vapor condensate, means continuously withdrawing the separated oil from the separator, means continuously withdrawing the unvaporized liquid from said chamber, and means continuously withdrawing the separated water vapor condensate from the separator and mixing it with said unvaporized liquid.

2,558,934
METHOD FOR CORRECTING MAGNETIC COMPASSES ON CARRIERS
Walter T. Darrach, Philadelphia, Pa.
Application April 19, 1947, Serial No. 742,540
2 Claims. (Cl. 73—1)

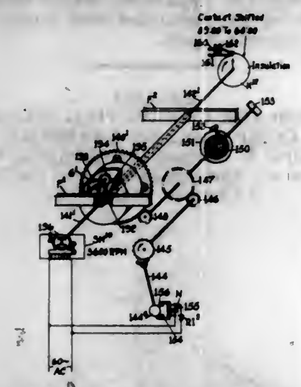


1. A process for determining error of the compass on carriers where such error is due to permanent and sub-permanent magnetism of the carrier which comprises setting up on the ship as a reference, a vertical shadow pin adapted to cast a shadow from the sun upon an accurate scale arranged about the base of the pin, which scale includes a diametrical base line, heading the ship on any cardinal point by the ship's compass and while so headed adjusting said scale to bring the shadow of the pin onto the base line, then turning the ship to head to the opposite of said cardinal point by ship's compass, noting the number of degrees that the shadow then departs from the base line, correcting the ship's compass by one-half of the number of degrees of departure from said base line.

2,558,935
SUSTAINED POWER ELECTRIC CLOCK
Oscar H. Dicke, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 21, 1944, Serial No. 555,110
11 Claims. (Cl. 58—26)

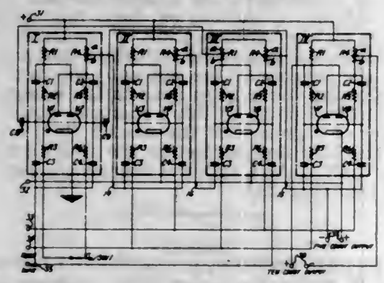
1. In a clock of the sustained power type, the combination with mechanical time measuring mechanism; a source of stored energy for driving said mechanism; a source of alternating current having its frequency regulated to correctly manifest the passing of time; electro-responsive means energized from said source of alternating current for holding said mechanism at rest so long as no current cessation occurs; a housing mounted for rotation about an axis and having a shaft projecting therefrom in such axis; reduction gearing in said housing; synchronous motor means for driving said shaft through the medium of said gearing without rotating said housing so long as no current cessation occurs; and a reduction

gearing operated by said time measuring mechanism for rotating said housing and in turn said shaft, in the same direction and at substantially the same speed as when driven by said synchronous motor, during a current cessation; whereby said shaft by its rotation accurately manifests the



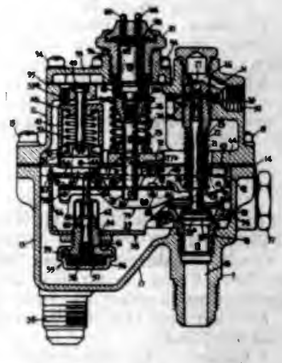
passing of time so long as no current cessation occurs and substantially accurately manifests the passing of time during a current cessation; and time indicating means driven by said shaft; whereby said time indicating means substantially correctly indicates time irrespective of one or more current cessations.

2,558,936
ELECTRONIC COUNTER
Arthur H. Dickinson, Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 21, 1947, Serial No. 787,377
6 Claims. (Cl. 250—27)



1. A quinary electronic counter comprising three trigger circuits connected in a series chain, each trigger circuit having two conditions of stability to which it may be switched alternately by the proper application thereto of operating voltage impulses and, with each second switching thereof, providing an operating impulse to the next succeeding trigger circuit in the chain, the series chain connection permitting an impulse from the first trigger circuit to switch the second trigger circuit from either stable condition to the other and an impulse from the second trigger circuit to switch the third trigger circuit from only one stable condition; a single supply line adapted to carry input operating impulses and connected directly to the first and third trigger circuits to effect switching of the first trigger circuit from either stable condition normally by each input impulse and to effect switching of the third trigger circuit by an input impulse only from its other stable condition; said third trigger circuit having a point at which an auxiliary impulse appears when said third trigger circuit is switched from said other condition; and a capacitive feedback coupling connected from said point to said first trigger circuit and effective when the third trigger circuit is switched from its other stable condition to transmit said auxiliary impulse to said first trigger circuit to prevent an input impulse which effects such switching of the third trigger circuit from switching the first trigger circuit.

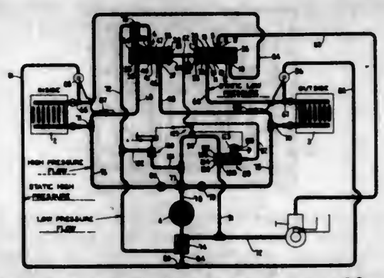
2,558,937
AIR CONDITIONING SYSTEM AND APPARATUS
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application February 19, 1945, Serial No. 578,669
19 Claims. (Cl. 236—1)



4. A control valve for regulating the flow of a heat transfer medium for cooling or heating operation, comprising a valve casing having an inlet and an outlet and a valve port, a valve member cooperable with said port, means urging said valve member in one direction, a lever engaging and operable to move said valve member in the opposite direction and against the force of said urging means, an operating and supporting member pivotally engaging said lever, movable fulcrum means for said lever alternately engageable with said lever, means to move said fulcrum means to and to hold said fulcrum means in said alternate positions for rotation of said lever in one direction or the other upon a single direction of movement of said operating member, said operating member on movement overcoming said urging means, and temperature responsive means to move said operating member.

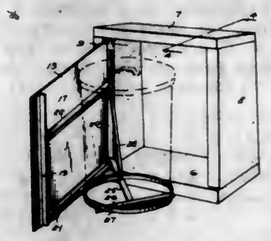
2,558,938
HEAT PUMP AND CONTROL MEANS
Earnest J. Dillman and Thomas E. Noakes, Detroit, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application December 30, 1948, Serial No. 68,246
21 Claims. (Cl. 62—3)

1. In a reversible refrigeration system, a compressor, a first heat exchanger, a second heat exchanger, one of said heat exchangers being operable as a refrigerant condenser and the other as a refrigerant evaporator according to the direction of operation of the refrigeration cycle, valve means determining which of said heat exchangers functions as a condenser, actuating means for said valve means, and safety means operable to render said actuating means ineffective, said last-



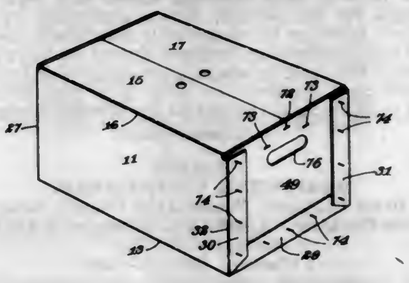
named means including means operable upon occurrence of a predetermined pressure differential across the system to render said actuating means effective.

2,558,939
SANITARY STORAGE CABINET
Edward Dornbush, Miami Beach, Fla., assignor to Tropical Concrete Products, Inc., Hialeah, Fla.
Application May 11, 1949, Serial No. 92,590
2 Claims. (Cl. 312—329)



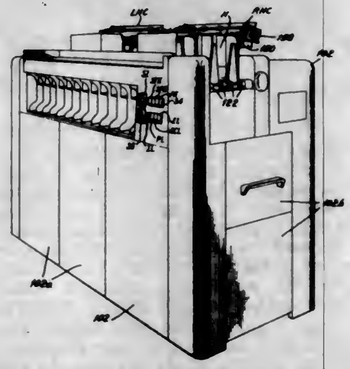
2. A sanitary storage device comprising a cabinet formed of precast concrete sections united at their edges to form a housing entirely open at its front side, said cabinet having a bottom and an inclined top and side and rear walls, the front side of the cabinet being inclined rearwardly, a sheet metal door for covering and uncovering the open side, vertically arranged angle irons welded to the inner surface of the door adjacent its outer side edges, transversely extending angle irons welded to the door and to the first named angle irons, hinge blocks welded to one of the side angle irons adjacent its top and bottom, hinge pins formed on the blocks and extending outwardly above and below the door and in axial alignment, bushings formed in the top and bottom of the cabinet adjacent it front side and to one side for the rotatable reception of the hinge pins the positioning of the hinge pins in the bushings causing the door to be angularly disposed from the vertical, the hinging of the door being parallel with the side walls of the cabinet, an angle iron welded to one vertical angle iron of the door and projecting inwardly from the door at an angle and at a right angle from the axis of the hinges, a cross head angle welded to the terminal end of the last named projecting angle, an upstanding metallic band secured to the cross head for positioning a removable receptacle upon the cross head in spaced relation to the inner surface of the door, a combined brace and receptacle guide secured to the band and to the door adjacent its upper hinge block.

2,558,940
CONTAINER
Robert M. Dunning, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application May 16, 1946, Serial No. 670,227
7 Claims. (Cl. 229—52)



1. A container including a bottom wall, side walls and end walls connected thereto, top closure panels foldably connected to said side walls, and connected marginal edge flanges extending along the remaining edges of said top closure panels, and channel shaped clip means projecting inwardly from said end walls and having spaced projections positioned to receive portions of said edge flanges of both closure panels in closed position of said top panels.

2,558,941
RECORD CONTROLLED MACHINE
Benjamin M. Durfee, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 31, 1949, Serial No. 73,843
14 Claims. (Cl. 164—115)



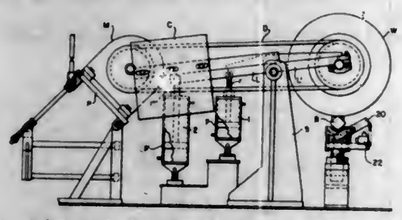
1. In a machine of the class described, means for perforating statistical records to represent numerical data, including a punching station having a series of digital punch selecting elements for punching one digit at a time in the record, and a punch carriage for moving the record step-by-step past the punching station; a printing mechanism for printing multi-digit numbers a plurality of digits at a time, a printing carriage for a multi-column work sheet receiving imprints of said numbers a plurality of digits at a time, one number in each column; means to effect a step-by-step columnar movement of the printing

carriage relative to the printing mechanism; a programming mechanism for causing a continuous succession of cycles of the printing mechanism to print a horizontal line of multi-digit numbers in successive columns of the work sheet, a storage device controlled by the printing mechanism for storing each printed number during one portion of a printing cycle, and read out means for the storage device controlled by the punch carriage to successively selectively control the punch selecting elements during another portion of the cycle to punch each printed and stored multi-digit number one digit at a time according to the number stored by the storage device.

2,558,942
SANITIZING COMPOSITION
Craig Eagleson, Washington County, Oreg.
No Drawing. Application February 3, 1947, Serial No. 726,241
7 Claims. (Cl. 167—30)

5. A sanitizing composition comprising calcium hypochlorite, calcium acid phosphate, a wetting agent, a filler and an insecticidal compound comprising at least one member of the class consisting of dichlorodiphenyl-trichloro-ethane, methoxy dichlorodiphenyl-trichloro-ethane, dichlorodiphenyl-dichloro-ethane, hexachloro-cyclohexane, dianysil-trichloro-ethane, the chlorinated bicyclic terpenes, and chlorinated naphthalene.

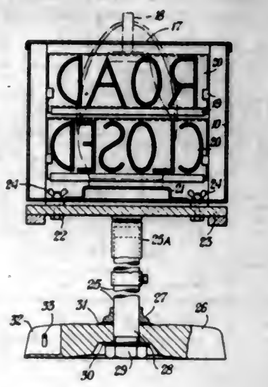
2,558,943
BAR GRINDING APPARATUS
Stanley Russell Ellison, Short Hills, N. J., assignor to Wilbur B. Driver Company, Newark, N. J., a corporation of New Jersey
Application November 15, 1949, Serial No. 127,484
6 Claims. (Cl. 51—79)



1. A bar grinder device comprising in combination, a grinding wheel, means sustaining the wheel to be independently rotatable about a horizontal axis and to be movable up and down out of and into a grinding position, means for feeding a bar endwise with axial rotation to the wheel at the bar grinding position at a horizontal level bringing the wheel into pressure contact with the upper surface of the axially moving and rotating bar, a pneumatic ram means for moving the wheel into and out of bar grinding position and means automatically varying the ram means pressure with variation in the contour of the rotating bar to thereby maintain a substantially uniform depth of grinding cut over the surface of the bar.

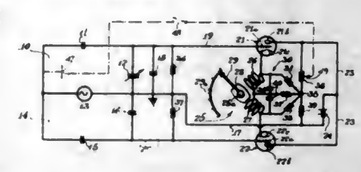
2,558,944
ROAD SIGN
Thomas Herbert Ridley Emmerson, Gerrards Cross, England
Application September 19, 1945, Serial No. 617,231
In Great Britain August 23, 1945
1 Claim. (Cl. 40—64)

A movable and transportable road sign, including a base, a stand mounted on the base, an apertured box mounted on the stand, an apertured lid on the box, a translucent sign mounted over



the aperture in the box, and a hurricane lamp within the box having its handle passing through the aperture in the lid.

2,558,945
ELECTRICAL INDICATING SYSTEM
George H. Fritzinger, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application June 20, 1947, Serial No. 755,869
14 Claims. (Cl. 177—351)



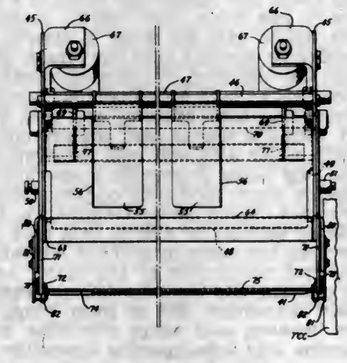
1. In an electrical system responsive to a variable quantity and including sources of alternating and direct current: the combination of means for providing a first A.-C. voltage dependent both on said A.-C. source and said variable quantity; means connected to said A.-C. source for providing a second A.-C. voltage dependent on said A.-C. source and independent of said quantity; a pair of thermionic stages each including a cathode, grid and plate, means for feeding said A.-C. voltages to said grids respectively, means connecting said stages as cathode followers with the plates thereof being connected directly to said D.-C. source and with the grids thereof being biased relative to the respective cathode potentials to produce D.-C. voltages in the respective cathode circuits which vary substantially according to said respective A.-C. voltages; a D.-C. type of electrical instrument having a movable element and coils for producing two relatively variable electromagnetic fields to deflect said element upon relative variation of two D.-C. currents; and a bridge-type load circuit between said cathodes and ground comprising a first branch serially including said coils and connected between the cathodes of said stages, a second branch serially including two impedances and connected also between said cathodes, and a third impedance connected between a point in said first branch and a point in said second branch.

2,558,946
REINFORCED CAST STRUCTURE
Bertram William Fromson, Weybridge, Surrey, England
Application January 7, 1944, Serial No. 517,402
In Great Britain November 19, 1943
5 Claims. (Cl. 72—70)



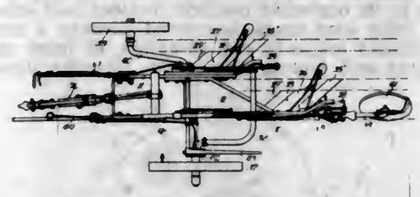
1. A concrete reinforcing and supporting structure comprising a plurality of spaced units, each unit having an upper shutter plate provided with spaced slots and having depending side flanges, a zigzag web member with the upper apices extending through said slots and secured therein, the lower apices of said web being secured between a pair of tension chord members, said zigzag web member being extended and secured to the undersurface of the ends of said shutter plate, the ends of said tension chord members being inclined upwardly and secured to the under surface of the ends of said shutter plate adjacent to said depending side flanges, and an intermediate shutter provided with depending flanges extending between the shutter plates of a pair of spaced units with the flanges of said shutter connected to the flanges of said shutter plate flanges to close the space therebetween.

2,558,947
SHEET AND ENVELOPE FEEDING DEVICE
Frank J. Furman, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 27, 1948, Serial No. 29,535
19 Claims. (Cl. 197—127)



7. In a printing machine wherein type press a record sheet against a platen to effect an impression thereon, means for feeding said sheet between the platen and the type, a shield for deflecting the leading edge of the sheet away from the type, means for moving said shield in and out of the deflecting position, means under control of the sheet for controlling said moving means to put the shield in the deflecting position early in the sheet feeding cycle, and means under control of the feeding means for controlling said moving means to take the shield out of the deflecting position after the leading edge of the sheet is advanced beyond the area betwen the platen and the type.

2,558,948
SUBSOIL PLOW
Cameron H. Gemberling and Rudolph J. Altgelt, South Bend, Ind., assignors to The Oliver Corporation, a corporation of Delaware
Application March 7, 1945, Serial No. 581,368
6 Claims. (Cl. 97—78)



1. A wheel supported subsoil plow comprising a frame, a side furrow wheel connected to said frame, two laterally spaced main plow bases carried by said frame, said bases being so spaced laterally to leave an unplowed strip of ground between said bases, a subsoil base carried by said frame rearwardly of said main bases, and a laterally projecting share carried by said subsoil base and extending into the strip of unplowed ground between said main plow bases, the shares of all of said bases being set inwardly from the line of travel of said furrow wheel.

2,558,949
POLYMERIC POLYETHER POLYHYDRIC ALCOHOLS
Sylvan Owen Greenlee, Louisville, Ky., assignor to Devoe & Raynolds Company, Inc., Louisville, Ky., a corporation of New York
No Drawing. Application September 18, 1945, Serial No. 617,178
4 Claims. (Cl. 260—47)

1. Complex polymeric polyhydric alcohols which are polymeric polyether derivatives of dihydric phenols, which dihydric phenols are free from functional groups other than phenolic hydroxyl groups, said polyhydric alcohols having the following general formula

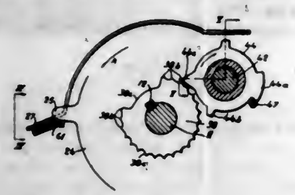
$$R_3\text{-}[O\text{-}R\text{-}O\text{-}CH_2\text{-}CHOH\text{-}CH_2]_n\text{-}O\text{-}R\text{-}O\text{-}R_3$$

in which R is the hydroxyl-free nucleus of the dihydric phenol and R_3 is an aliphatic radical having at least one alcoholic hydroxyl group and free from other functional groups, and n is at least 1, said polyhydric aclohols containing from 5 to 15 alcoholic hydroxyl groups per molecule and being free from other functional groups.

2,558,950
FULL-STROKE MECHANISM
Erik Konrad Grip, Atvidaberg, Sweden, assignor to Aktiebolaget Facit, Atvidaberg, Sweden, a joint-stock company of Sweden
Application February 18, 1948, Serial No. 9,056
In Sweden November 6, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires November 6, 1966
7 Claims. (Cl. 235—81)

1. In a manually operated calculating machine having an actuator rotatable in opposite directions by means of a crank geared thereto, the actuator and crank being mounted on separate shafts extending parallel to each other in combination, a toothed locking disk connected with the actuator for rotation therewith, said locking disk having teeth forming locking surfaces and having a broad recess formed by omitting certain of the teeth, a locking pawl cooperating

with said locking surfaces said locking pawl being oscillatably mounted on the crank shaft, a frictional coupling between said locking pawl and the shaft of said crank, stops limiting the rotation of said locking pawl in either direction of rotation, and a clearing member for said actuator, said clearing member being manually settable to its operative position to clear said actuator when said crank is rotated through a predetermined angle in one direction, at least one tooth of said locking disk having uni-directional



locking surfaces adjacent to the broad recess therein which is moved into cooperative relation with said locking pawl at the termination of said predetermined angular movement of said crank corresponding to the angle of the clearing operation while the other teeth of said locking disk have locking surfaces for locking in both directions in cooperation with said locking pawl and said recess rendering free passage for said locking pawl during the first part of its rotation from the full-cycle position of said actuator.

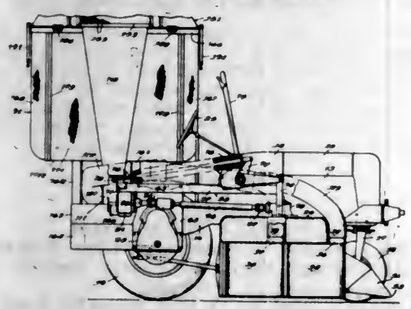
2,558,951

COTTON-PICKING APPARATUS RECEPTACLE AND MEANS FOR DIRECTING COTTON THEREINTO

Clarence R. Hagen, Memphis, Tenn., and David B. Baker, Riverside, Ill., assignors to International Harvester Company, a corporation of New Jersey

Substituted for application Serial No. 542,774, June 29, 1944. This application February 12, 1948, Serial No. 7,834

6 Claims. (Cl. 214—83.28)



1. In a cotton picking apparatus, a receptacle supporting structure, a cotton receptacle having an upper open side, means tiltably mounting the receptacle on said structure to dump through such open side when tilted, an openable cover closing the receptacle open side, an open-bottom hood mounted on said cover and projecting outwardly over an upper edge portion of the receptacle and being communicative therewith, there being an opening in the top of the hood and in the cover and reaching from a top portion of the hood across a substantial portion of the cover, and an arched grille bridging said opening in a direction lengthwise thereof, said grille comprising slender laterally spaced elements extending lengthwise of the arch, the bottom opening in said hood being adapted for the reception of a cotton laden air stream directed upwardly exteriorly of the receptacle against the end of the grille in the top of the hood, means for elevating said edge portion of the receptacle and the hood pursuant to tilting the recptacle, and the curvature in the arch of said grille being such as to cause it to deflect the cotton from said air stream across the receptacle to the other side thereof while the air stream discharges through the grille upwardly and outwardly of the hood and receptacle incident to carrying foreign particles therewith.

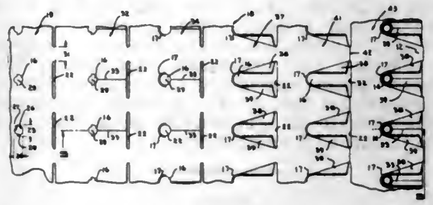
2,558,952

METHOD OF MAKING HEAT EXCHANGE DEVICES

James R. Hayward, Washington, Ind., assignor, by mesne assignments, to McCord Corporation, Detroit, Mich., a corporation of Maine

Application December 10, 1947, Serial No. 790,898

6 Claims. (Cl. 29—157.3)



2. A method of making heat exchange devices which comprises forming in a sheet of fin stock, a tube opening having a major axis and a minor axis intersecting one another within said tube opening, said tube opening along said major axis being of a width approximately equal to tube width and along said minor axis being of a width substantially less than tube width, forming a transverse slot in said fin stock in spaced relation to said tube opening with the length of said transverse slot disposed in parallel relation to said major axis of said tube opening, forming a slit between said tube opening and said transverse slot with the line of said slit extended bisecting said major axis and said transverse slot, deforming said stock to provide a laterally projecting flange about said tube opening with the end extremities of said flange terminating at the extremities of said major axis of said tube opening, deforming the edges of said slit laterally between the end extremities of the major axis of said tube opening and the adjacent end extremities of said transverse slot to form wings with the space between said wings providing a tube slot rendering said tube opening accessible from said transverse slot, forming one edge of a fin by severing said fin stock between the ends of said transverse slot and the side edges of said fin stock, projecting a tube through said tube slot, by relative lateral movement between said fin stock and said tube, and into said tube opening against said flange, closing said wings about said tube with the edges of said slit disposed oppositely with respect to one another and in the plane of said fin stock, severing said fin stock on a line parallel to said fin edge and disposed on the other side of said tube opening to form a fin, and indexing said tube longitudinally to provide space on said tube for projecting said tube into a succeeding tube slot by relative lateral movement of said fin stock and tube.

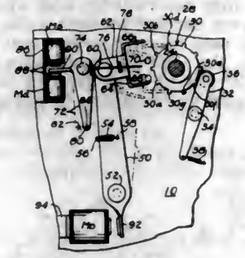
2,558,953

RECORD CONTROLLED REGISTER ACTUATING MECHANISM

William Henninger, Ridgewood, N. J., and Herbert J. Hollsberg, Ridgewood, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application March 20, 1948, Serial No. 16,008

3 Claims. (Cl. 74—142)



1. Actuating mechanism for periodically indexing a rotatable member in step-by-step fashion in either direction comprising a ratchet wheel operatively connected to the rotatable member in driving relationship, an operating lever pivoted for swinging movement about an axis parallel to the axis of rotation of said ratchet wheel, a yoke member pivotally secured to the free end of said operating lever and having a pair of pawl fingers projecting outwardly therefrom, said operating lever being movable from a retracted position wherein said pawl fingers are out of engagement with the periphery of the ratchet wheel to an advanced position wherein said fingers engage the periphery of said wheel, means normally urging said lever to its retracted position, means for moving said lever to its advanced position, said yoke member being movable when the operating lever is in its retracted position from a position wherein one of the pawl fingers thereon occupies a position in close proximity to the periphery of the ratchet wheel to another position wherein the other pawl finger is in close proximity to the periphery of the ratchet wheel, means selectively and yieldingly urging said yoke member to either of said positions, said yoke member being movable bodily when said operating lever is moved to its advanced position to cause whichever pawl finger is in close proximity to the periphery of the ratchet wheel to engage a tooth on the latter and advance the ratchet wheel in one direction or the other until the other pawl finger engages another tooth on said wheel and blocks further rotational movement thereof thus locking the ratchet wheel in a fixed angular position.

2,558,954

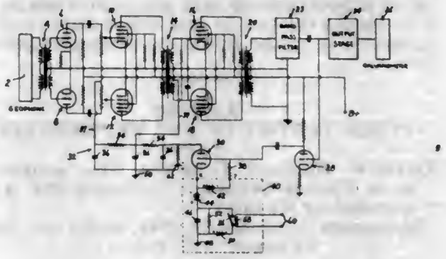
SEISMOGRAPHIC PROSPECTING APPARATUS

Robert L. Henson, Jr., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application September 12, 1946, Serial No. 696,588

2 Claims. (Cl. 179—171)

1. An amplifier for the output of a seismic detector including variable gain amplifying means, and means for controlling the gain of said amplifying means, the last mentioned means comprising a filter for providing a direct bias to said amplifying means, said filter having a pair of input terminals, a conducting path permanently connecting said input terminals, a grid-controlled thermionic tube having its anode connected to one of said terminals, and having its cathode connected to the other of said terminals through a time-variable network, said network comprising a fixed source of potential and, in series with said fixed source of potential, a paral-



lel arrangement of a condenser and resistor, a potential source for charging said condenser, switching means for disconnecting the last mentioned potential source from charging relationship with said condenser, so that said condenser may discharge through said resistor, and means connecting the grid of said thermionic tube to the output of said amplifier.

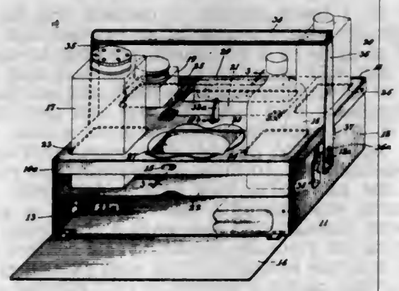
2,558,955

CONTAINER AND DISPLAY KIT

William W. Hilton, Roslyn, N. Y.

Application October 19, 1946, Serial No. 704,424

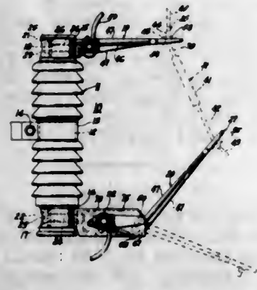
2 Claims. (Cl. 206—45.19)



1. A manually portable kit for holding a plurality of objects and comprising in combination: parallel upper and lower side members, a peripheral surface member for interconnecting said side members and holding same in spaced relationship, said upper side member having a like plurality of perforations therein, said side and peripheral members comprising the bounding members of said kit; said peripheral surface member including a movable lid for a filler opening for said kit; a platform member movable between said upper and lower side members in a direction which is substantially perpendicular to said side members, said platform member being substantially equal in area and similar in shape to said side members and having an outer face for closing the perforations in said upper side member when pressed thereagainst, said platform member being substantially in contact with said peripheral surface member; a plurality of legs mounted upon the margin of said platform member and extending toward said lower side member, said legs being of equal length and less than the distance between said side members; and means for detachably locking said platform mem-

ber closely adjacent said upper side member whereby the perforations therein are covered; each of such perforations being formed for receiving an object of corresponding cross-sectional shape and size, each of the objects when removed from said container and inserted from the outside thereof into its corresponding perforation being supportable by said platform when in parallel spaced relation to said side member and also supportable by the lip of the respective perforation.

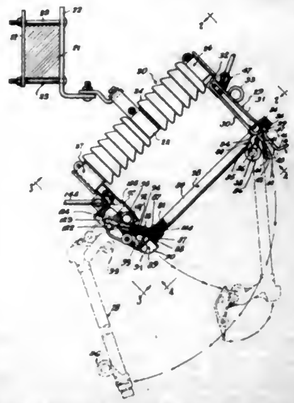
2,558,956
FUSED CUTOUT OF THE EXPOSED LINK TYPE
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application December 19, 1947, Serial No. 792,805
9 Claims. (Cl. 200—117)



7. In a fused cut-out, a contact arm for engagement with the cable of an exposed unit, said arm comprising a cast metal member formed at one end with an integral bearing, said arm having an integral extension beyond said bearing for engagement with a spring, and said arm tapering in the opposite direction to its contact end, the contact end having an integral rearwardly extending hook, forming a V-opening for receiving the cable of a fuse unit, a forwardly open housing with parallel side walls and a pintle passing through said side walls and through said bearing for pivotally mounting said contact arm, and a spring extending from said extension to a transverse member carried by said parallel walls.

2,558,957
FUSED DROP-OUT CUTOUT
David C. Hubbard and William L. Hollander, Centralia, Mo., assignors to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application August 8, 1949, Serial No. 109,146
12 Claims. (Cl. 200—114)

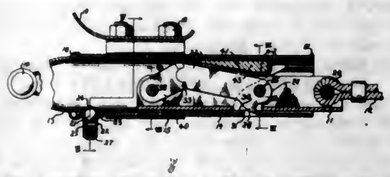
1. In a fused drop-out cut-out, the combination of an insulating support with upper and lower spaced contact arms carried by said support, a fuse tube unit comprising an insulating tube open at the bottom and closed at the top, said tube having upper and lower contact fixtures and supporting and enclosing a tensioned fuse engaging said fixtures, both said fixtures being provided with a pair of oppositely directed aligned trunnions, and the upper contact arm being provided with open jaws for receiving and supporting the upper trunnions for rotation, the lower contact fixture comprising a laterally projecting part extending toward the lower contact arm and pivotally supporting an ejector lever, said ejector lever being attached at its end to the fuse and carrying the lower trunnions below the point of pivotal support of the ejector lever, spring means for urging said ejector lever about its pivot to tension the fuse and to move the ejector lever trunnions backwardly and upwardly in an orbit, said lower contact fixture being provided with a pair of spaced side walls for receiving the laterally projecting part of said lower contact fixture, and said walls being formed with inwardly extending guide surfaces engaging the top of the ejector lever trunnions to guide them backwardly and downwardly into backwardly and upwardly open bearing grooves carried by said walls, the pivotal movement of said ejector lever upon blowing the fuse moving the ejector trunnions backwardly and upwardly out of said grooves into an open space below said guide means to release the trun-



nions by gravity from the lower contact fixture.

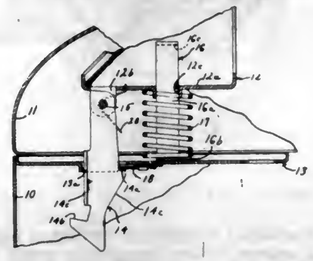
7. In a fused drop-out cut-out, an upper contact structure comprising an insulating support, metal band means extending about the insulating support and having a pair of parallel flanges, a connector block located between said parallel flanges and having a pair of through bores registering with bores in the flanges, said connector block having each of its opposite faces formed with a forwardly open U-shaped groove facing each flange, a pair of substantially U-shaped wire contact members, each contact member having curved portions clamped between said flanges and spacer block, and said U-shaped wire contacts having forwardly extending portions formed adjacent their ends with partially circular trunnion bearings.

2,558,958
BRAKE LEVER STRUCTURE
Herbert S. Jandus and Walter Banta, Detroit, Mich., assignors to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 9, 1946, Serial No. 653,235
19 Claims. (Cl. 74—503)



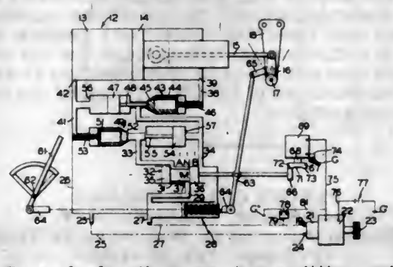
1. In combination in a direct pull brake lever structure, telescopically related actuating and setting tubes carrying a drawbar therein adapted to be connected to a takeoff cable of a brake system, said tubes being jointly movable axially for slack takeup and being also independently relatively movable axially, and means co-operative with said tubes and said drawbar acting in the joint axial movement of the tubes to effect axial movement of the drawbar jointly with the tubes and operative as an incident to relative axial movement of the tubes to effect brake setting movement of the drawbar.

2,558,959
AUTOMOBILE HOOD LOCK ASSEMBLY
Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application October 24, 1947, Serial No. 781,797
7 Claims. (Cl. 292—225)



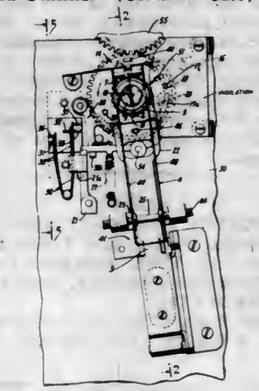
1. In combination with a pair of cooperating parts which are relatively movable along a fixed path between proximate and remote positions, a latch structure for securing said parts in said proximate position comprising a keeper secured to one of said parts, a latch having a body portion and a projecting latching surface engageable with said keeper, said body portion having an elongated slot, and means including a pin passing through said slot for pivotally mounting said latch to the other of said parts, said last mentioned means permitting the relative position of said latch with respect to said keeper to be selectively varied.

2,558,960
HYDRAULIC POWER TRANSMITTING DEVICE
Arnold E. W. Johnson, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application January 28, 1950, Serial No. 141,103
5 Claims. (Cl. 60—51)



1. In an hydraulic power transmitting unit receivable of driving force from a continuously rotating driving member; a hydraulic motor operable responsively to admittance of fluid under pressure into an inlet thereof; a pump having a fluid outlet; fluid conducting means including a control valve interposed between said motor inlet and the pump outlet, the control valve being adjustable from a closed condition wherein it is effective for blocking communication through the fluid conducting means from the pump outlet to the motor inlet to an open condition establishing such communication through the fluid conducting means; a control member manipulatable for adjusting the valve from the closed condition to the open condition; means operable by the motor pursuant to operation thereof for resetting the valve to the closed condition; an electro-magnetic clutch interposed between said continuously rotating member and the pump and energizable for transmitting driving force from such rotating member to the pump, said electro-magnetic clutch having a driving characteristic when subjected to an overload of permitting slippage between its driving and driven parts while transmitting a constant maximum torque irrespective of the relative speed of such parts; and an electric energizing circuit operable in timed relation with said valve to energize the clutch pursuant to opening of the control valve and to de-energize the clutch pursuant to closing of the valve.

2,558,961
RECORD CONTROLLED ACCUMULATING MECHANISM
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 5, 1950, Serial No. 136,967
11 Claims. (Cl. 235—61.6)

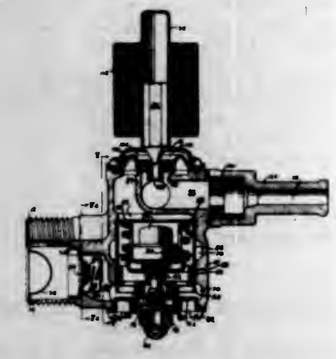


8. A denominational order of an accumulator comprising a driving element, a driven element coaxial therewith, means for shifting said driven element axially into engagement with said driving element for rotation thereby, a readout device spaced from said driving element, and a wiper carried by the driven element and movable axially therewith to engage said readout device when the driven element is disengaged and to disengage said readout device when the driven element is engaged with said driving element.

2,558,962
FLUID VALVE STRUCTURE
Leslie A. Kempton, St. Petersburg, Fla., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application January 2, 1947, Serial No. 719,826
4 Claims. (Cl. 236—12)

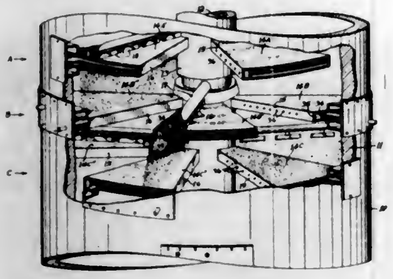
2. A fluid mixing valve of the type wherein fluids from separate sources are mixed to obtain a

resultant fluid stream, said valve comprising a body member having inner side walls defining two fluid mixing cavities, each having an axis and extending to one side of said body, a temperature sensitive device in each of said cavities, said body member having two openings spaced along said axes, each of said openings being in communication with each cavity to admit fluid thereto, a fluid inlet for each of said openings, said cavities each having a region of decreased size more remote from said one side of said body



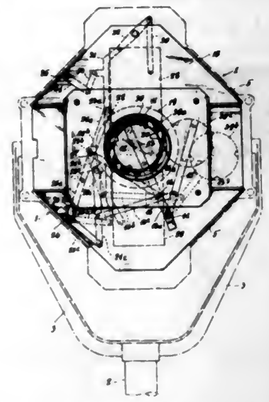
than said openings, an outlet for each cavity directing fluid to engulf each of said temperature sensitive devices and leading from the part most remote from the open side of said body to a common discharge passageway, shunt passages bypassing each of said cavities running from each of said fluid inlets to said outlet, valve means for controlling fluid flow through said shunt passages and axially shiftable elements acting against the wall formed by said regions of decreased size to control admission of fluid from said openings.

2,558,963
APPARATUS FOR ROASTING ORES
Ernest Klepetko, Bauer, and Philip de B. Kaye, Salt Lake City, Utah, assignors to Combined Metals Reduction Company, Stockton, Utah, a corporation of Utah
Application August 18, 1948, Serial No. 44,866
8 Claims. (Cl. 266—20)



7. In a metallurgical roasting furnace of the character described, a roasting hearth having at least one drop hole, a conduit having apertures adjacent the side edge of the drop hole, and means for delivering a current of air through the apertures of said conduit into contact with material being roasted as it falls through said drop hole.

2,558,964
IRIS PROTECTION APPARATUS FOR HIGH-INTENSITY SPOTLIGHTS
Joseph Kliegl, Queens Village, N. Y., assignor to Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y., a corporation of New York
Application December 16, 1948, Serial No. 65,594
4 Claims. (Cl. 240—47)

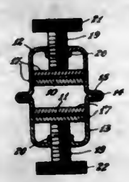


1. In a spotlight apparatus having a high powered light source which generates great heat in the form of radiant heat energy, and including a manually adjustable iris shutter apparatus spaced a predetermined distance from said light source for determining the diameter of the light spot and for cutting off the spot altogether when the iris shutter apparatus is in a closed position, and manual means for adjusting said iris shutter between its closed position and positions in which a substantial spot of light of adjustably variable diameter is transmitted through the iris shutter apparatus, in combination, a heat absorbing shutter mounted in said spotlight apparatus between said light source and said iris shutter apparatus along the path of light and radiant heat energy from said light source, and movable into and out of a position to intercept radiant energy from said light source, so as to protect said iris shutter apparatus when it is adjusted to its closed position aforesaid, means for moving said heat absorbing shutter to a position to protect said iris shutter apparatus from damage by radiant heat from said light source at the closed position of said iris shutter apparatus, and mechanical means interconnecting said means for adjusting said iris shutter and said means for moving said heat absorbing shutter for preventing movement of said heat absorbing shutter to a position such that it will intercept light through the iris when the iris is at any one of its open positions at which a substantial spot of light is provided by the spotlight apparatus.

2,558,965
FEELER GAUGE HOLDER
Fred Koenig, Tottenville, N. Y.
Application December 24, 1946, Serial No. 718,226
7 Claims. (Cl. 33—168)

7. A holder for a thickness or feeler gauge comprising a pair of relatively slidable gauge strips and holders therefor having cooperating longitudinal guides for relative sliding movement between said holders along said guides, and clamping means on each holder for retaining one of

said pair of gauge strips fixed therein so that the gauge strips project from adjacent ends of said holders in substantially parallel relationship,



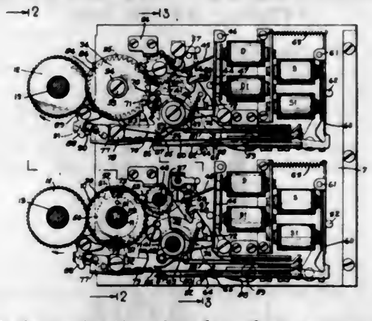
each of said clamping means projecting from said holder at right angles to the plane of the gauge strip.

2,558,966
SEWING SPACER FOR BUTTONS
Edward K. Lane, Jr., Denver, Colo.
Application April 24, 1950, Serial No. 157,708
1 Claim. (Cl. 223—110)



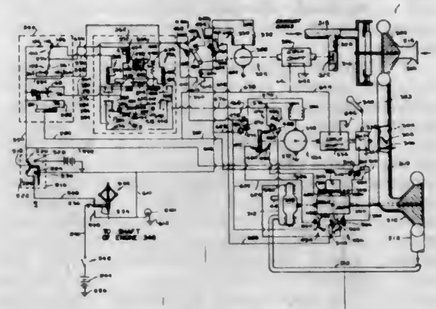
A device for spacing buttons from garments while sewing the former in place, comprising: a spacing member adapted to be positioned beneath the button and provided with a sidewardly opening passage to allow the member to be withdrawn from beneath the button after the latter has been stitched in place, said member being provided with a button-receiving concavity in its upper face aligned with the sidewardly opening passage; and a plurality of concentric steps formed in said concavity for receiving the peripheral edge of the button.

2,558,967
DIFFERENTIALLY OPERABLE ACCUMULATING MECHANISM
Earl R. Lawson, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 24, 1949, Serial No. 95,032
4 Claims. (Cl. 235—61.6)



1. A denominational order of an accumulator comprising a driving element, a driven element, coupling mechanism therebetween, a pair of magnets, each separately effective upon energization to cause the coupling mechanism to connect the driven element for operation by the driving element, a second pair of magnets each separately effective upon energization to cause the coupling mechanism to disconnect said driven and driving elements, entry control means for causing energization of one of each pair of magnets in succession to enter a digital value into the driven element, and reset control means for causing energization of the other of each pair of magnets in succession to reset the driven element.

2,558,968
APPARATUS FOR CONTROLLING THE INTAKE MANIFOLD PRESSURE OF INTERNAL-COMBUSTION ENGINES
Leighton Lee, II, Meriden, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application December 13, 1943, Serial No. 514,022
53 Claims. (Cl. 60—13)



9. In an internal combustion engine having an air induction system including a supercharger driven by a turbine powered by the exhaust gases from said engine and controlled by a waste gate, and an intake manifold; means for controlling the pressure in said intake manifold, comprising the combination of motor means for operating said waste gate, a control element, means for positioning said element in accordance with said pressure, motor control means responsive to the position of said element, limit switch means including a switch movable to circuit closing position as an incident to closure of said waste gate, said last-named switch being effective when closed to operate said control means to cause movement of said waste gate in an opening direction and signal means energized upon closure of said last-named switch.

14. Motor control apparatus, comprising an electrical motor, a load device to be driven by said motor, variable ratio gear means connecting said motor to said load device, means for varying said gear ratio, means biasing said gear ratio varying means to a low speed position, electrical means operative when energized to shift said gear ratio varying means from said low speed position to a high speed position against the action of said biasing means, means responsive to a condition indicative of the need for operation of said load device for energizing said motor when said condition varies from a predetermined value, and means responsive to a departure of said condition from said value by a predetermined amount for energizing said electrical shifting means.

27. Apparatus for controlling the pressure in the intake manifold of an internal combustion engine, comprising means for varying said pressure, means responsive to said pressure for controlling said pressure varying means, and means

responsive to the speed of said engine for terminating control of said pressure varying means by said pressure responsive means when said engine speed falls below a predetermined value.

45. Control apparatus comprising an elongated rod, means for reciprocating said rod in accordance with the variations of a variable condition, a pair of sleeves reciprocable on said rod, compression spring means retained between said sleeves and tending to separate said sleeves, a pair of spaced stops on said rod for limiting the separation of said sleeves, a lateral extension on each of said sleeves, said extensions being normally spaced apart, a pair of stationary stop means, each adapted to engage one of said extensions to limit the movement thereof by said rod, said stop means being spaced slightly farther apart than said extensions when said sleeves are engaging the stops on said rod, an electrical resistance member supported by one of said sleeves, and a contact member slidable along said resistance and supported by the other of said sleeves.

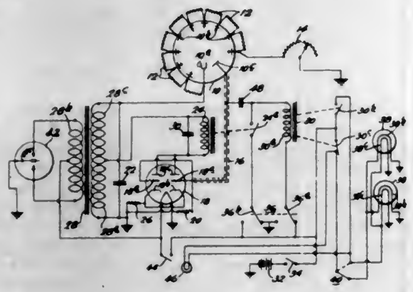
47. Control apparatus comprising a movable member, means for translating said member in accordance with the variations of a variable condition, a pair of elements carried by said member and movable with respect to said member, spring means retained between said elements and tending to separate said elements, a pair of spaced stops on said member for limiting the separation of said elements, an extension on each of said elements, said extensions being normally spaced apart, a pair of stationary stop means, each adapted to engage one of said extensions to limit the movement thereof by said member, said stop means being spaced slightly farther apart than said extensions when said elements are engaging the stops on said member, and switch means mounted on one of said stop means for operation by engagement with one of said extensions.

2,558,969

AUTOMATIC HEADLIGHT CONTROL

Donald B. Le Croy, Des Moines, Iowa

Application May 6, 1949, Serial No. 91,847
9 Claims. (Cl. 315—83)



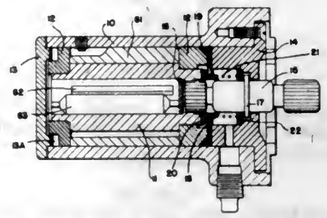
1. In a dimmer for headlights of the type having an electron tube with cathode and control electrodes, and means including a relay winding operable to dim the headlights when the cathode to control electrode voltage of said tube exceeds a fixed value, the improvement comprising a capacitor connected to impress voltage between said cathode and control electrode, means defining an electric circuit from said winding to said condenser to charge said condenser upon a sudden current change in said winding and means defining a discharge path for said capacitor.

2,558,970

SEAL FOR ROTARY FUEL PUMPS

Donald E. Lipfert, Meriden, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey

Application February 10, 1945, Serial No. 577,227
12 Claims. (Cl. 103—136)



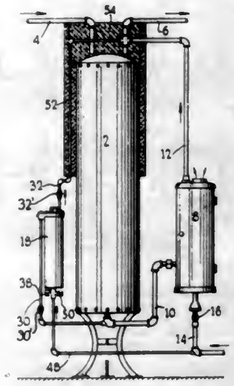
1. A rotary pump comprising a housing containing fluid under pressure, a rotary impeller in said housing having an annular, end sealing surface normal to its axis of rotation, bearings for said impeller fixed in said housing for preventing tilting or endwise movement of said impeller with respect to said housing, a drive shaft for said impeller extending thru an aperture in said housing, a driving connection between said shaft and said impeller permitting tilting and endwise movement of said shaft relative to said impeller, seal means including a ring member and a flexible wall member for preventing leakage of pumped fluid around said shaft to the exterior of said housing, said ring member being positioned in contact with said annular sealing surface and surrounding said shaft, said wall member being attached to said ring member and extending between said ring member and said housing, and spring means biasing said ring member into sealing engagement with said annular sealing surface, said seal means having two opposed surfaces of substantially equal effective area extending normal to said axis and exposed to the pressure within said housing so that said seal means is balanced against said pressure.

2,558,971

WATER HEATER

Allan W. Lundstrum, Maplewood, N. J.

Application September 17, 1945, Serial No. 616,865
4 Claims. (Cl. 126—362)



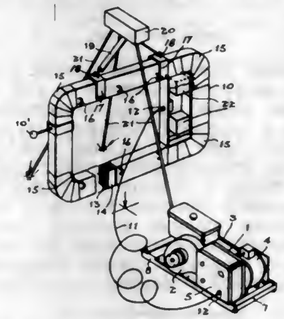
1. In a domestic hot water heating system, the combination comprising a substantially vertically extending elongated water holding tank, said tank affording free access of water from end to end, means insulating at least the upper portion of said tank, said insulating means being so constructed in thickness to create a materially great radiation difference between the upper portion and lower portion of the tank, a constantly operating water heating means, the portion of the tank below said upper insulating means having a radiation factor at least as great as the heating rate of said constantly operating water heating means, means to conduct water from said water holding tank to said heating means and from said heating means to the upper portion of said tank having said materially greater insulating means, whereby water circulates from said heating means to said tank, a manually controlled water heating means in addition to the constantly operating water heating means, and means to conduct water between said manually controlled heating means and said water holding tank.

2,558,972

PORTABLE ELECTROMAGNETIC CLINOMETER

George H. McLaughlin and William A. Robinson, Toronto, Ontario, Canada, assignors to The McPhar Engineering Company of Canada Limited, Toronto, Ontario, Canada

Application May 17, 1950, Serial No. 162,406
In Canada May 28, 1949
12 Claims. (Cl. 175—182)



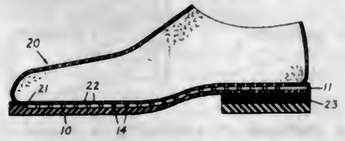
1. A portable electromagnetic clinometer comprising a portable alternating current source, an air core transmitting coil connectable with said source, means for suspending said coil to hang vertically, a magnetic core detector coil, means supporting said latter coil to be swung on an extended axis, means for indicating the angle of said extended axis relative the vertical, and means for detecting a signal developed in said detector coil by any magnetic field pattern arising from the energization of said transmitting coil.

2,558,973

VENTILATED SHOE

John Wesley Meaker, New York, N. Y.

Application February 6, 1948, Serial No. 6,726
1 Claim. (Cl. 36—3)



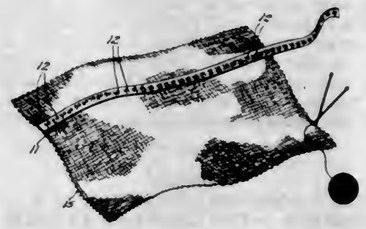
A ventilated shoe comprising an upper, an insole connected to said upper and having a multiplicity of small perforations therethrough, an outsole having tread, shank and heel portions beneath said insole and connected to said upper, a heel fixed to said heel portions below said outsole, the latter having at least one groove in its upper surface extending from the rear edge of said heel portion toward the opposite end of said outsole along said heel, shank and tread portions and terminating in said tread portion short of said opposite end, and said outsole further having in its upper surface a series of narrow transverse grooves communicating with said one groove and said perforations and terminating short of the edges of said outsole.

2,558,974

METHOD AND APPARATUS FOR USE IN KNITTING

Josephine P. Mecklenburger, Highland Park, Ill.

Application June 1, 1949, Serial No. 96,436
15 Claims. (Cl. 66—1)



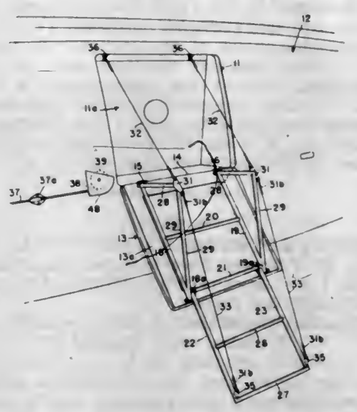
1. The method of measuring progress in the production of a knitted product comprising the progressive attachment of a flexible tape at successive spaced points to the completed portion of such product as such product is being knitted.

2,558,975

COMBINED DOOR AND LADDER IN THE SIDE OF A CRAFT

Anthony J. Moreno, Elmhurst, and Cyril L. Fenn, Flushing, N. Y., assignors to Edo Corporation, a corporation of New York

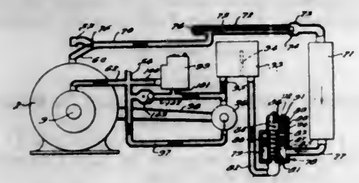
Application June 2, 1948, Serial No. 30,644
5 Claims. (Cl. 114—65)



1. A ladder adapted to fit into an opening in the hull of a vehicle when retracted and, when

released, to open outwardly therefrom to permit ascension thereof, comprising a door fitting said opening which, in closed position, blends with the contour of said hull, hinge means securing one edge of said door to the lower edge of the opening in said hull and permitting the door to swing outwardly, a first ladder section secured on the inside of said door in a position to provide for ascension when the door is swung down to full open position, said first ladder section having a pair of side bars and at least one rung in the vicinity of the lower extremities of the side bars in open position, apexed side supports disposed in planes normal to that of the first ladder section and secured to the opposite extremities of each of said side bars, a second ladder section pivotable in the vicinity of said lower rung and having side bars spaced apart less than the distance between the side bars of the said first ladder section whereby in closed position the second ladder section may be folded up and laid substantially parallel to said first ladder section, rungs on said second ladder section, and flexible means extending between points inside of said opening to the apexes of each of the said side supports and further extending between said apexes and the lower extremities of said second ladder section, whereby said articulated ladder may be supported at an angle to a vertical plane passing through said vehicle and is provided with hand-assisting means for ascension.

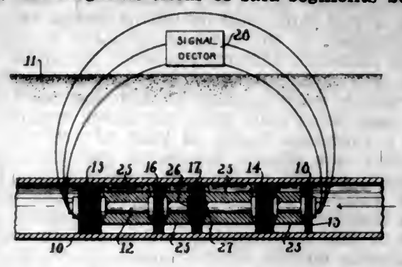
2,558,976
ROTARY HYDROKINETIC TORQUE CONVERTER WITH COOLING SYSTEM
Charles M. O'Leary, Los Angeles, Calif.
Application April 10, 1947, Serial No. 740,673
11 Claims. (Cl. 60—54)



7. A fluid cooling system for a hydrokinetic torque converter having fluid inlet and discharge ports, including a cooling radiator having its inlet connected to the converter discharge opening, an atmospheric pressure reservoir, a conduit connecting the outlet of the radiator to the reservoir, a back pressure creating valve in said last mentioned conduit for maintaining a substantially constant superatmospheric pressure in the radiator and converter, and a pump having its inlet connected to the reservoir and its outlet connected to the converter inlet port.

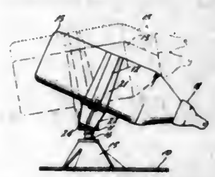
2,558,977
READILY LOCATABLE MAGNETIC GO-DEVIL
John M. Pearson, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application September 20, 1946, Serial No. 698,269
1 Claim. (Cl. 15—104.06)

A go-devil adapted to transport a magnetic field for use in pipe line exploration comprising in combination a non-magnetic shaft, a plurality of non-magnetic brushes and rubbers mounted on said shaft, magnetized retentive cylindrical metal segments enclosing said non-magnetic shaft and spaced between said brushes and rubbers, the magnetic fields of said segments being



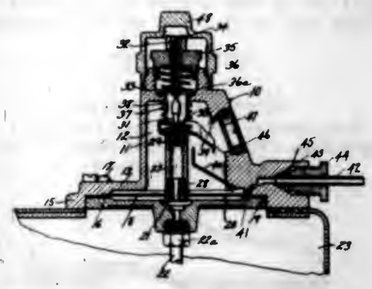
additive to provide a large magnetic moment of the complete go-devil.

2,558,978
NURSING BOTTLE HOLDER
Frank Pettit, Union, N. J.
Application July 3, 1947, Serial No. 758,865
3 Claims. (Cl. 248—105)



1. A nursing bottle holder having a relatively fixed base, an element adapted to grip the body of a nursing bottle, and an intermediate member having a horizontal hole near its upper end and an adjustable connection with the base whereby the intermediate member may be rotated and raised or lowered relative to the base, the intermediate member having a horizontal pintle forming member entering the hole to provide pivotal connection with the bottle gripping element and stop means engageable with the same to limit movement about the pivot.

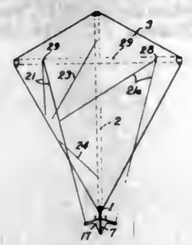
2,558,979
INTERNAL-COMBUSTION ENGINE LIQUID FEEDING SYSTEM
Clayton B. Pierce, New York, N. Y., assignor to Emerol Manufacturing Co., Inc., New York, N. Y., a corporation of Illinois
Application October 7, 1947, Serial No. 778,491
6 Claims. (Cl. 123—119)



3. A method of adjusting a liquid flow in a liquid feeding device operating through the application of an engine-produced vacuum while

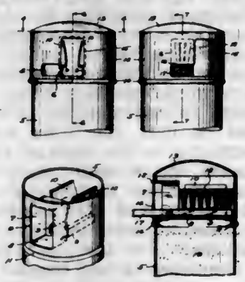
said device is functioning on an engine, which comprises neutralizing a major portion of said vacuum so as to simulate load conditions while the engine is idling and adjusting the flow of liquid through the device pursuant to such reduced vacuum conditions.

2,558,980
KITE RUDDER
Frederick O. Pinkham, Falls Church, Va.
Application September 16, 1949, Serial No. 116,170
3 Claims. (Cl. 244—153)



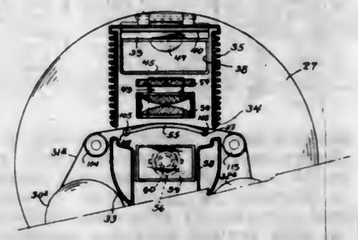
1. A control rudder for kites having a main mast comprising a fin, spaced pairs of lugs upon the fin positioned to extend laterally upon opposite sides of the mast, an elastic band engageable with the lugs and crossing the mast upon the side opposite the fin for securing the fin in fixed position upon the mast in a plane normal to the face of the kite through the longitudinal axis of the mast, a movable fin pivoted to the fixed fin, and means for manipulating the movable fin.

2,558,981
DISPENSING DEVICE FOR TOOTH POWDER
Charles Edison Poyer, Miami Beach, Fla.
Application March 14, 1950, Serial No. 149,599
3 Claims. (Cl. 222—126)



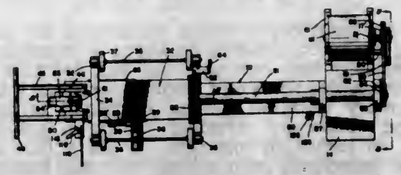
1. A device for the direct application of powder to the bristles of a toothbrush that comprises a cylindrical container for the powder that is open at its top and provided with a passage opening on its sidewall, a cylindrical closure cap for the container for rotative engagement over the container, means for preventing axial movement of the cap, the cap provided with an opening in one side corresponding to the opening of the container and adapted to alternately register therewith for forming a passage for the entry of the head of a toothbrush, the opening of the cap having a lateral extension for alternate engagement over an extended handle portion of the toothbrush when the cap is rotated to close the container opening, guide members inwardly of the container opening for frictionally retaining the toothbrush head with the bristles upright, the container adapted to be inverted end to end for alternate shifting of the powder from end to end, the shifting of a powder causing a deposit of powder to be positioned upon the bristles, means for preventing the accumulation of powder on the head of the brush and means for removing excess powder from the bristles when the toothbrush is withdrawn.

2,558,982
FILM ADVANCING AND GUIDING MEANS IN MICROFILM PROJECTORS
Verneur E. Pratt and George F. Gray, Norwalk, Conn.
Application March 7, 1945, Serial No. 581,354
2 Claims. (Cl. 88—28)



1. In apparatus of the class described, a support, a transparent pressure plate having a convex film-engaging surface, means including members carried by said support at each end of said plate and adapted to receive the same for removably supporting said plate on said support whereby said plate may be positioned with said convex surface toward or away from a lens, a lens mounted on said support to project images from film contacting the convex surface of said plate, said surface being in the optical path of said lens, a casing wherein said support is revolvably mounted in the top wall thereof, said lens being positioned with its optical axis parallel to the transverse surface of said plate, and a reflector mounted on said support and positioned between said plate and lens to reflect images from film supported on said plate to said lens.

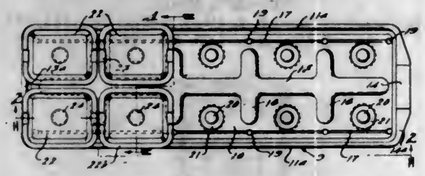
2,558,983
BARREL CLEANING APPARATUS
Frank B. Roberts, Anaheim, Calif.
Application March 5, 1949, Serial No. 79,789
15 Claims. (Cl. 15—57)



1. A barrel cleaning apparatus including a carriage, means to mount the carriage for reciprocation, a fixed barrel engaging member at one end portion of said carriage, a barrel holding member pivoted on said carriage at the other end thereof, means to normally urge the holding member to engage a barrel on the carriage, means operable to shift the holding member away from a barrel when the carriage reaches the limit of its movement in one direction, a brush shaft; a pivoted support for the shaft adjacent to one end thereof, a brush mounted at the other end of said shaft, said brush being dis-

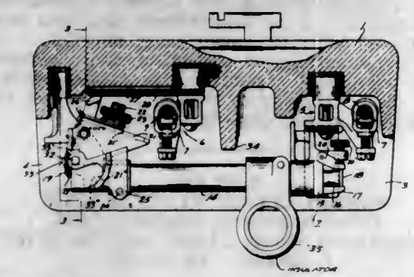
posed in the path of travel of a barrel on said carriage, said brush being adapted to move into a barrel as the carriage is advanced, means to rotate the brush, and means to shift the brush shaft about its pivoted support.

2,558,984
ICE TRAY
John H. Roethel, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application September 23, 1948, Serial No. 50,809
5 Claims. (Cl. 62—108.5)



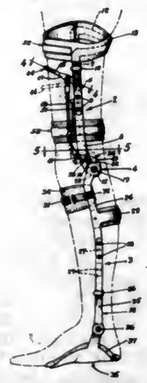
1. A liquid freezing device including a pan-shaped frame having a bottom, grid means formed in the said bottom to provide recesses to receive a plurality of individual receptacles, longitudinal downwardly extending shallow ribs formed in said bottom adjacent opposite side walls thereof forming shallow grooves in the upper face of said bottom.

2,558,985
CUT OUT CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to McGraw Electric Company, a corporation of Delaware
Application August 7, 1947, Serial No. 767,037
4 Claims. (Cl. 200—114)



2. A cutout construction comprising an elongated insulating housing arranged to be mounted horizontally and having a top and downwardly extending side walls and having open ends, a first stationary terminal having U-shaped arms, a second stationary terminal having a resilient arm, an expulsion fuse tube having a first terminal detachably interlocking with said first stationary terminal and having a second terminal having pressure engagement with the resilient arm of said second stationary terminal, means pivotally supporting said fuse tube for downward swinging drop-out motion, and a fuse link within said fuse tube electrically connecting the terminal of said fuse tube, said second terminal of said fuse tube including means normally restrained by said fuse link and arranged upon rupture of said fuse link to impart substantially horizontal motion to said fuse tube to thereby detach the first terminal of said fuse tube from said first stationary terminal and allow said fuse tube to execute drop-out motion, said fuse tube having a permanently open end adjacent the second terminal of said fuse tube, the first terminal of said fuse tube having an opening therethrough aligning with the bore of said fuse tube and said fuse link having a head normally closing said opening, the first terminal of said fuse tube having clamping means for engaging the side edges of the head of said fuse link.

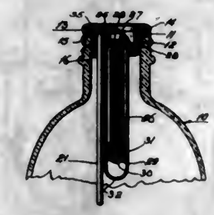
2,558,986
LEG BRACE
Arthur Seelert, Minneapolis, Minn.
Application September 20, 1947, Serial No. 775,166
5 Claims. (Cl. 128—80)



5. In a leg supporting brace having a pair of spaced lower brace sections, connected by pivotal knee joints to a pair of spaced upper brace sections, an abutment member on each member of one of said pairs of sections and a movable stop on each member of the other of said pairs of sections, said movable stops adapted to engage said abutment members for locking said knee joints against pivotal movement, the improvement comprising handle means comprising an arcuate portion and spaced terminal portions, each of said terminal portions being pivoted at one end thereof to one member of one of said pairs of brace sections, the other ends of said terminals connected to the ends of said arcuate portion, at least one of said terminals having said other end thereof frictionally detachably connected to the end of said arcuate portion, and means connecting said terminal sections to said movable stops for the operation thereof whereby the operation of said handle means will determine the engagement or disengagement of said movable stops with said abutments.

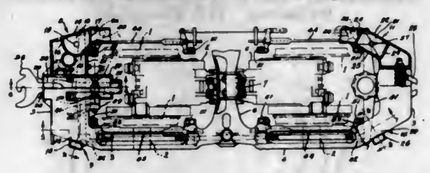
2,558,987
BLOOD TRANSFUSION FILTER UNIT
John E. B. Shaw, Chicago, Ill.
Application November 6, 1948, Serial No. 58,687
3 Claims. (Cl. 128—214)

1. A blood transfusion unit comprising a container adapted to hold blood and an anti-coagulant corrosive to metal, said container having an opening, a pierceable plug removably closing said opening, said plug having an opening in its bottom portion, a filter of metal mesh having an open upper end extending within the opening in said plug and removably held therein within said container, a pierceable self-sealing rubber cap attached to and closing the lower end of said filter, a cover of material substantially resistant to the corrosive effect of the anti-coagulant, said cover having an open upper end and a lower closed end, said cover spacedly covering said filter and having its upper end extending within the opening in said plug and removably held therein, said plug adapted to be pierced immediately above said filter by a stylet, said filter adapted to receive the stylet, said self-sealing rubber cap on said filter adapted to be pierced by the stylet, and the closed bottom end of said cover spaced below



said self-sealing rubber cap adapted to be engaged by the stylet for forcing the cover out of the opening in said plug for exposing said filter, said plug adapted to be pierced by an air supply member, said self-sealing rubber cap sealing itself upon withdrawal of the stylet, said plug also adapted upon withdrawal of the stylet to be pierced by a liquid flow member extending into said filter, so that blood in said container will be filtered by said filter before leaving said container and passing into the liquid flow member.

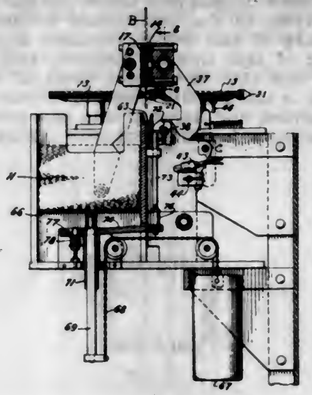
2,558,988
RAILWAY LOCOMOTIVE DRIVING TRUCK
William M. Sheehan, Philadelphia, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application May 3, 1948, Serial No. 24,907
4 Claims. (Cl. 105—157)



1. In a railway vehicle truck bed, an end sill member, a side member, and a sand box including a hollow receptacle having its walls extending diagonally between and formed integral with said members and adapted to transmit between said members draft and buffing forces applied to the truck.

2,558,989
APPARATUS FOR FEEDING SHEETS VERTICALLY
Carl W. Spohr, Chicago, Ill., assignor to The Curtiss Candy Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1946, Serial No. 643,014
9 Claims. (Cl. 271—12)

1. A feeder for individually feeding vertically-disposed pieces from a pile of horizontal pieces including a suction head, means for swinging the suction head to a horizontal position to seize the top piece of a pile and to a vertical position to raise and swing the top piece to a vertical disposition, guide means and means for moving the guide means to form a passageway between it and the suction head, means for applying suction to the suction head when it is in the horizontal position and relieving said suction after



said passageway has been formed, and means for blowing the piece along said passageway when the suction has been released.

2,558,990
ROTARY HYDRAULIC SWIVEL
Leslie W. Stahl, Houston, Tex., and Harry E. Young, Jr., Atchison, Kans., assignors to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas
Application June 23, 1947, Serial No. 756,378
8 Claims. (Cl. 285—9)

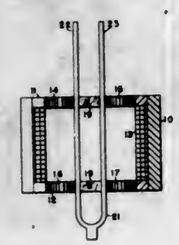


1. A hydraulic rotary swivel, comprising: non-rotatable and rotatable fluid conducting elements; a floating tube for conducting fluid and interposed between said elements and separable therefrom and demountable packing-assemblies around the ends of the tube, respectively; each assembly including sealing means around the tube and a member provided with means for detachably attaching the assembly of which it is a part, to one of said elements, the sealing means of each assembly having contact with the tube which leaves it free to rotate or remain stationary during operation of the swivel, said members being movable toward each other on the tube when they are uncoupled from said element.

2,558,991
TUNING FORK DRIVER
Austin N. Stanton, Garland, Tex.
Application December 5, 1949, Serial No. 131,068
7 Claims. (Cl. 171—209)

1. A vibrator comprising a tubular member; a pair of circular pole pieces having diameters

equal to the inside diameter of said tubular member, each of said pole pieces being disposed within said tubular member and adjacent one end thereof, each of said pole pieces having an outer surface lying in the same plane normal to the central axis of said tubular member as an adjacent end of said tubular member, said tubular member and said pole pieces being of magnetic material; a tubular coil disposed within said tubular member and between said pole pieces having a central axis coincident with central axis of



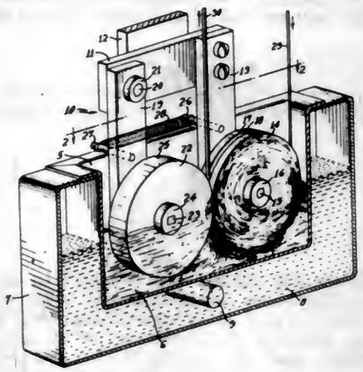
said tubular member, said pole pieces each being provided with a pair of apertures symmetrically disposed about said central axis and a substantially rectangular aperture communicating with said apertures, the apertures of one of said pole pieces coinciding with the apertures of the other of said pole pieces; and a tuning fork having tines extending parallel to said central axis and through said apertures adjacent said substantially rectangular apertures and being adapted to have said tines drawn together and into said substantially rectangular aperture.

2,558,992
COLORED NYLON ARTICLE AND METHOD OF MANUFACTURE
Louis L. Stott, Reading, Pa., assignor to The Polymer Corporation, Reading, Pa., a corporation of Pennsylvania
No Drawing. Application March 25, 1947, Serial No. 737,103
7 Claims. (Cl. 18—47.5)

6. A method for making a colored article of irregular section from a synthetic linear polyamide, which method comprises uniformly dispersing up to 4% of a light colored metal oxide capable of withstanding temperatures of 600° F. without decomposition throughout the mass of a batch of the polyamide from which the article is to be formed, whereby to impart substantial opacity to the article, and, after formation of the article, uniformly dyeing a shallow surface layer thereof by immersion of the article in an aqueous solution of an organic dye.

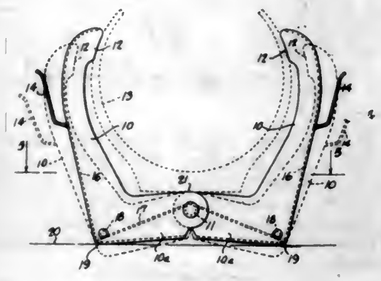
2,558,993
APPARATUS FOR APPLYING VISCOUS COATING COMPOSITIONS TO WIRE
Howard W. Sturgis and Emil H. Olson, Muskegon, Mich., assignors to Anaconda Wire and Cable Company, a corporation of Delaware
Application February 15, 1949, Serial No. 76,442
3 Claims. (Cl. 91—32)

1. Apparatus for applying a viscous liquid coating composition to a wire comprising a vessel for containing the composition, a rotatable wheel having a cylindrical face partially immersed in the composition, the cylindrical face of said wheel being formed with a peripheral groove for receiving a wire and guiding it down into and up again out of the liquid coating composition, said wheel being freely rotatable whereby its speed of rotation is determined solely by the speed with which the wire is drawn through the coating composition, and a wiper element having a cylindrically curved face of approximately the same radius of curvature as the rotatable wheel bearing against



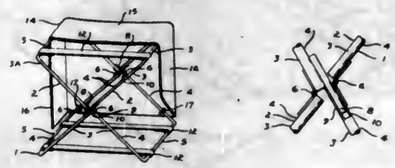
the cylindrical face of said wheel about at the point where the wire emerges from the coating composition, the wiper element being restrained from rotation about the center of curvature of its face, and the center of the wheel and the center of curvature of the face of the wiper element being substantially horizontally aligned.

2,558,994
TOOL FOR APPLYING ANTISKID CHAINS
Dale G. Trowbridge, Stamford, Conn.
Application June 8, 1946, Serial No. 675,369
9 Claims. (Cl. 81—15.8)



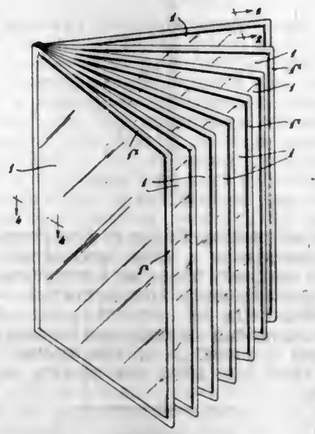
1. A tool of the character described comprising a pair of substantially L-shaped levers each including side and lower arms and arranged in opposed relation with the free ends of the lower arms pivoted together, the angular portion of each lever at the connection between the arms of each lever being spaced from the pivotal connection between the arms and each forming a supporting pivot when resting on a pavement with the lower arms inclined upwardly and inwardly toward their pivotal connection, the side arms of the levers including clamps to clamp the side walls of a tire and each provided with a clip to hold a link of a side chain of an antiskid chain, and a spring tending to force the jaws together to clamp them on a tire.

2,558,995
BAG STOOL COMBINATION
John Tullis, Vancouver, British Columbia, Canada
Application July 10, 1948, Serial No. 38,041
3 Claims. (Cl. 155—149)



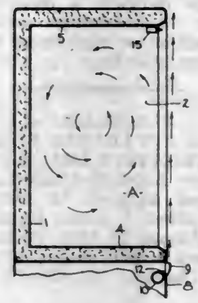
3. A bag stool combination comprising a two member frame, each member consisting of two U-shaped parts hingedly connected together at their free ends, each of said parts having a pair of legs and a base portion, the free ends of the legs of one of the U-shaped parts being provided with means for engaging the free ends of the legs of another U-shaped part to hold said connected parts in close parallel position, a bag shaped to fit and cover the top and sides of the stool, said two member frame being united to said bag whereby the bag helps to support the frame in open position when distended.

2,558,996
FLOATABLE PLASTIC BOOK
Henry Ullmann, New York, N. Y.
Application November 9, 1946, Serial No. 708,955
1 Claim. (Cl. 281—15)



A floatable plastic book for children, comprising a plurality of leaves formed by means of a relatively long web reversely folded a plurality of times to provide a plurality of sheet members connected at opposite margins, the remaining margins of each of two adjacent sheet members being hermetically bonded together to form a hollow two-walled leaf, each of the two-walled leaves consisting of opposed walls of heat sealable transparent plastic material enclosing a hermetically sealed air space, the interior of each two-walled leaf containing visual subject matter.

2,558,997
MEANS FOR PREVENTING LOSS OF COLD AIR FROM REFRIGERATED SPACES
Henry H. Voelker, Cleveland, Ohio, assignor to Automatic Screw Products Company, Cleveland, Ohio, a partnership
Application August 9, 1949, Serial No. 109,290
9 Claims. (Cl. 62—89)



1. In a refrigerator having a refrigerated space and an entrance for said space, a closure for said entrance, said closure having sealing means associated therewith, said sealing means adapted to engage the walls defining said entrance, a blower, air slots disposed in the portion of said walls defining the lower edge of said entrance, a conduit communicating said blower with said air slots, and means for automatically actuating said blower when said closure is opened, whereby a wall or curtain of air is blown upwardly across said entrance to prevent loss of cold air from said space.

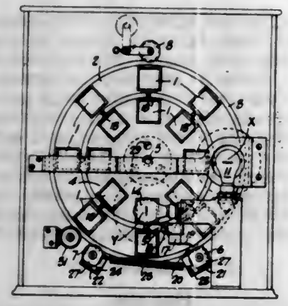
2,558,998
MEASURING AND DISPENSING DEVICE
Jean Jones Yearout, Fort Lauderdale, Fla.
Application June 4, 1949, Serial No. 97,111
1 Claim. (Cl. 222—49)



A measuring and dispensing device for shortening comprising an elongated cylinder open at top and bottom, with the bottom serving as a scraping edge, lateral flange sections formed on the upper end of the cylinder, a cap member for engagement over the upper end of the cylinder, a depending flange carried by the cap, lugs formed on the depending flange for engagement beneath the flange sections of the cylinder, said cap provided with a centrally arranged opening, integral spring detents struck from the cap and radially disposed around the opening, a piston

slidable in the cylinder, a piston rod controlling the piston, said rod passing through the opening of the cap and having contact with the detents, a head carried by the rod at its free end, said rod grooved circumferentially at predetermined points in its length, said spring detents adapted to jointly engage in a selected groove for positioning the rod and piston at a predetermined elevation, indicia upon the rod adjacent each groove to indicate a measured quantity, said piston in its lowermost position for dispensing adapted to be positioned flush with the lower edge of the cylinder.

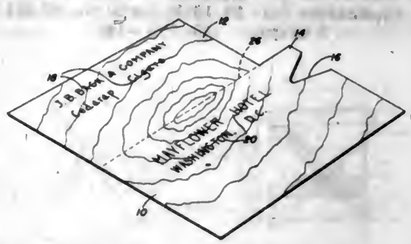
2,558,999
PROJECTION APPARATUS FOR POSITIVE AND NEGATIVE IMAGE PAIRS
William Stanley Aldrich, Chaldon, near Caterham, England, assignor to Stilwell Darby & Company Limited, London, England
Application August 17, 1948, Serial No. 44,702
In Great Britain August 25, 1947
3 Claims. (Cl. 88—27)



1. Display apparatus comprising an image carrier, pulleys supporting the carrier for rotation, a pair of optical projectors to be trained on to the same zone on a screen, the said projectors being angularly separated about the axis of rotation of the carrier, image supports mounted in pairs on the carrier, each pair consisting of a positive and a negative of the subject for display and the images of each pair being simultaneously moved by rotation of the carrier respectively across the two projectors, means continuously driving two of the supporting pulleys to rotate the carrier, a series of stops on the carrier, a stop-engaging component to engage the stops successively to bring the carrier to rest when the related pairs of projected images coalesce with slight lack of register, a trip component on one of the constantly driven pulleys, the said trip component releasing the stop-engaging component to free the carrier for continual movement, and spring means urging the two pulleys into engagement with the carrier with a force which is smaller for the pulley with the trip component than for the other driven pulley.

2,559,000
CIGAR WRAPPER
Joseph B. Back, Garden City, N. Y.
Application October 10, 1947, Serial No. 779,032
3 Claims. (Cl. 312—31)

1. In a cigar package, a wrapper comprising a thin sheet of opaque material having a body part of sufficient length and width to completely enfold a cigar, an indicia bearing card portion integral with one side edge of said body portion, foldable upon the latter and extending longitudinally from one end thereof to a point in spaced relation to its opposite end along a line of perforations, whereby said card portion may be readily separated from the body portion of the wrapper sheet, said body portion beyond the lat-



ter end of the card portion having a recess extending inwardly from its end edge, through which the shape and color of the cigar may be observed without removing the wrapper.

2,559,001
CHICKEN PICKING FINGER
Seth S. Barker, Ottumwa, Iowa
Application January 28, 1950, Serial No. 141,016
6 Claims. (Cl. 17—11.1)

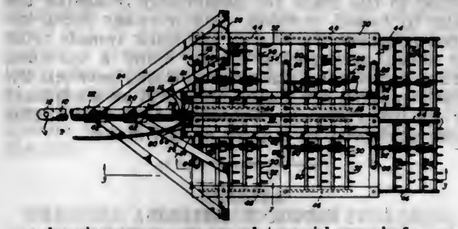


1. A fowl picking finger of the character described comprising a solid body of soft flexible material, said body including a mounting portion, a shank portion, and a picking portion, said picking portion being of uniform rectangular cross section and having an elongated rectangular plan form, and a plurality of longitudinal rows of nipples extending from the picking portion of said body.

2,559,002
V-SHAPED EXPANSIBLE HARROW
Charles R. Brock, Fairbury, Ill., assignor of twenty-five per cent to Seymour F. Dolgin, Fairbury, Ill.
Application October 3, 1947, Serial No. 777,707
7 Claims. (Cl. 55—125)

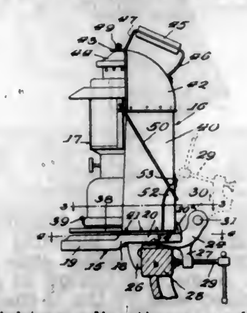
1. A farm implement comprising a sleeve adapted to be secured to a prime mover, collars carried by said sleeve, links pivoted to said collars, cultivator units secured to said links, means for adjusting said cultivator units, a bar slidably received in said sleeve, a tie rod on said bar, said adjusting means disposed on said tie and said bar and including ratchet mechanism,

means for locking said ratchet mechanism in selected positions, a crank connected to said ratchet



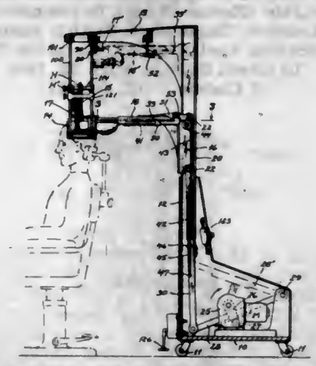
mechanism, arms secured to said crank for rocking the cultivators in said cultivator units in response to movement of said crank.

2,559,003
LANTERN AND REFLECTOR SUPPORT WITH UNIVERSALLY ADJUSTABLE BASE
Ernest O. Brow, Anderson, Ind.
Application July 18, 1949, Serial No. 105,425
3 Claims. (Cl. 240—52)



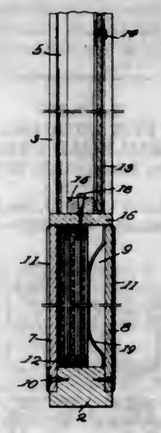
1. In light-ray directing assemblages, wherein a lantern forms the lighting unit and a reflector cooperates therewith in providing light-ray direction of emission, and wherein the assemblage as such is removably positionable relative to a supporting unit, an assemblage of such type comprising a base unit of skeleton type having clamping means for adjustably engaging the supporting unit, said base unit including a perforated hub with the perforation axis extending vertically, the clamping means of the base unit being operative to fixedly position the base unit on the supporting unit, a lantern-supporting plate symmetrical to such vertical axis and mounted on the base unit for pivotal adjustment relative to the base unit and with such vertical axis as the axis of pivotal movement, lantern gripping means mounted upon and symmetric relative to and movable with said plate on such vertical axis, bolt means extending on such vertical axis for anchoring the plate to the base unit in its angularly adjusted position, a vertical semi-cylindrical reflector hood secured at its lower end to the marginal edge of the plate, and means for securing the upper end of the hood to the upper end of the lantern, whereby the direction of light-ray emission from the mounted position of the assemblage is selectively controllable by the rotative adjustment of the lantern supporting plate, said base unit including a plurality of arms radiating from the unit hub with one of the arms of greater length than the remaining arms, the extended arm having its free end zone upturned and perforated with the perforation axis extending horizontally, and a removable pivoting element extending axially through such end zone and forming a support for the clamping means to thereby locate the latter means in the vicinity of such arm and extending in general parallelism therewith, said clamping means being fashioned to permit a gripping relation with the supporting unit for service, said clamping means being swingable about such horizontal pivot when the grip has been released and the assemblage bodily raised.

2,559,004
HAIR TREATING APPARATUS
Herman N. Brown and Sylvester S. Jones, Sr., Cleveland, Ohio
Application July 17, 1946, Serial No. 684,340
27 Claims. (Cl. 132—14)



15. In a hair combing machine, the combination of a frame, displaceable means carried by the frame for holding a wisp of hair, a comb carried by the frame, and means for moving the comb through the hair and past the holding device, and displacing the holding device.

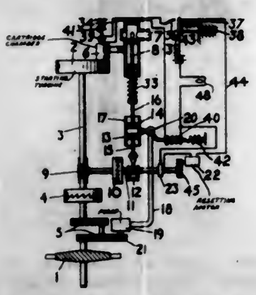
2,559,005
SELF-STORING STORM AND SCREEN COMBINATION
Ralph L. Brown and Roger E. Zehner, Anderson, Ind.
Application August 5, 1948, Serial No. 42,674
7 Claims. (Cl. 160—33)



1. A storm and screen unit comprising end and side rails, means on said rails for supporting one or more superposed screen frames between a portion of said side rails, and storage means for the same number of similarly sized

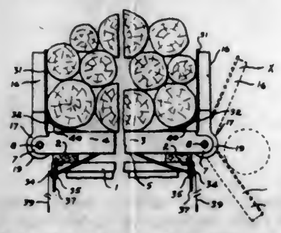
storm frames between the remaining portion of said side rails, the vertical edges of the frames in the storage means at the inner faces of the side rails and being facewise to each other, there being a passageway between the superposed and the stored portions of the frames, said supporting means normally closing said passageway, whereby to provide a self-contained replaceable storm and screen frame combination.

2,559,006
ROTARY STARTING MEANS FOR ROTARY ENGINES WITH CARTRIDGE CHAMBER AND SURPLUS GAS RELEASING MEANS
Thomas Clapham, Coulsdon, England, assignor to Power Jets (Research and Development) Limited, London, England, a British company
Application April 25, 1949, Serial No. 89,539
In Great Britain April 28, 1948
10 Claims. (Cl. 60—41)



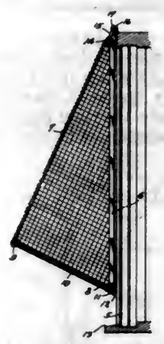
1. A starting apparatus suitable for use with a rotary engine of the kind indicated comprising a rotary starter motor for supplying power to accelerate the rotary engine to its starting speed, an energy reservoir from which energy may be released and supplied to the starter motor for the generation of such power, and means for terminating the supply of energy to the starting motor in dependence upon the number of revolutions made by said motor subsequent to the release of energy from the reservoir, characterised by the provision of means for automatically modifying the number of revolutions of said motor required to actuate said energy supply terminating means in accordance with the rotational speed of the engine substantially at the instant of energy release.

2,559,007
BUNK STAKE FOR LOGGING TRUCKS AND RAILROAD CARS
Joseph S. Cliffe, Ladysmith, British Columbia, Canada
Application April 17, 1950, Serial No. 156,463
2 Claims. (Cl. 280—145)



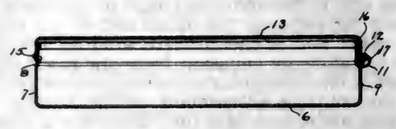
1. A bunk and stake combination comprising a bunk having hinge lugs at one end, a stake hingedly connected to the lugs, spring means serving to raise the stake towards a vertical position above the bunk, and a flexible member attached to the stake for detachably retaining the stake in raised position, said member being secured adjacent the end of the bunk remote from the stake, said spring means being a torsional spring, a pin non-rotatably mounted between the lugs to support the spring and form an anchorage for its inner end, the outer end of said spring being anchored to a part of the stake.

2,559,008
WINDOW SHIELD
Otto H. Combe, Benkelman, Nebr.
Application October 10, 1949, Serial No. 120,440
1 Claim. (Cl. 160—76)



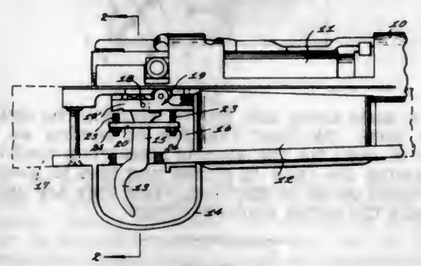
In a window shield, a frame embodying a U-shaped lower frame section including leg members having inwardly extended ends, brackets secured to the frame of a window in which the inwardly extended ends of the U-shaped lower frame section are secured, said lower frame section extending upwardly and outwardly from the window frame to which it is secured, an upper frame section secured directly to the window frame, side bars connecting the upper and lower frame sections, said side bars embodying strips of metal bent upon themselves longitudinally, providing clamping surfaces, the lower ends of said side bars being curved around the leg members adjacent to the lower ends thereof, and a wire mesh member having its side edges clamped between the clamping surfaces of the frame, securing the wire mesh member to the side members.

2,559,009
SNAP-IN HINGE FOR BOX COVERS
John Coyle and William F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 7, 1946, Serial No. 701,814
5 Claims. (Cl. 220—31)



5. In combination, a box of sheet material having a rear body wall with a portion folded outwardly and against the wall to double the thickness thereof, the free edge of the folded portion being curled outwardly, upwardlly and inwardly into an open curl with a narrow gap between its edge and the fold of the body wall, and a cover having depending walls, the lower portion of the rear cover wall being bent upwardly and outwardly at an acute angle to the depending cover wall to provide a flat flange extending outwardly a greater distance than said gap in the body curl, but insertable therethrough, the edge of said curl being received in the space between the flange and body wall where the cover is opened to a plane at right angles to the top of the box.

2,559,010
TRIGGER ATTACHMENT FOR FIREARMS
Richard E. Cutler, Luck, Wis.
Application September 16, 1949, Serial No. 116,093
1 Claim. (Cl. 42—69)



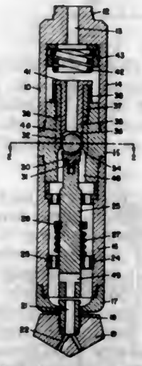
In a firearm having a stock firing mechanism operatively housed in the stock and including a horizontally disposed sear, a trigger depending from the underside of the stock and having an upper extension pivoted to the sear, means to resist the extreme forward or rearward movements of the trigger and including vertically apertured plate sections secured in longitudinal alignment on the forward and rearward edges of the extension and normally disposed in parallelism with the underside of the sear, said plate sections being housed within the stock and said apertures being threaded, vertically disposed set screws mounted within the threaded apertures and adjustably projecting above the plate sections for selective engagement with the underside of the sear and lock nuts on said screws beneath the plate sections.

2,559,011
MANUFACTURE OF N-ALLYL DERIVATIVES OF OXAZOLIDINE-2:4-DIONES
John Stanley Herbert Davies and Wilfred Herbert Hook, Alderley Edge, England, assignors to British Schering Research Laboratories Limited, London, England
No Drawing. Application October 8, 1947, Serial No. 778,744. In Great Britain September 16, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires September 16, 1966
5 Claims. (Cl. 260—307)

1. As a new compound, 3-allyl-5-methyloxazolidine-2:4-dione.

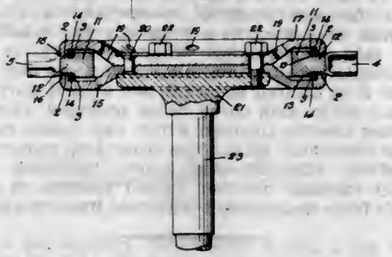
2,559,012
PERCUSSION DRILL
Ellis E. Davis and William M. Booth, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 17, 1950, Serial No. 168,798
4 Claims. (Cl. 255—4.4)

1. A percussion drill comprising a normally vertically disposed tubular conductor having an axial flow passage therethrough, an elongated hammer element mounted for reciprocation in said passage, spring means urging said hammer element upwards, and pressure flow control means for moving said hammer element downwards to deliver a percussive blow, said means comprising a tubular sleeve mounted for reciprocation in said passage above said hammer element coaxially therewith, a ball freely supported



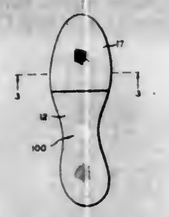
in said passage by the upper end of said hammer element in register with said sleeve, said ball being adapted to close said tubular sleeve when in contact with the lower end thereof, second spring means urging said sleeve upwards, and third spring means mounted in said passage above said sleeve for contacting and arresting said sleeve at the end of the upward stroke thereof.

2,559,013
METHOD OF MAKING TURBINE WHEELS
David P. Eastman, Chicago, Ill., and Theodore L. Swansen, Milwaukee, Wis., assignors to United Specialties Company, Chicago, Ill., a corporation of Delaware
Original application January 25, 1946, Serial No. 643,242. Divided and this application January 18, 1947, Serial No. 722,788
3 Claims. (Cl. 29—156.8)



1. The method of making a turbine wheel which includes the steps of forming a ring-like member, forming bucket members of suitable contour and providing on said bucket members pairs of ring engaging parts, positioning a plurality of buckets upon said ring with their engaging parts in contact with each other and one on each side of said ring, positioning a plurality of annular members in engagement with said ring engaging bucket parts, shaping said engaging parts about said annular members, and finally positioning a pair of bucket discs about said ring and in engagement with said ring engaging parts, and securing the several parts together.

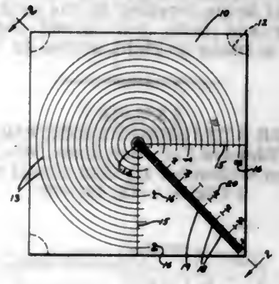
2,559,014
REMOVABLE INSOLE ASSEMBLY FOR FOOTWEAR
Marie Cecile V. Fortier, Brookline, Mass.
Application August 11, 1949, Serial No. 109,734
2 Claims. (Cl. 36—44)



1. An insert for footwear adapted to be removably mounted in a shoe and comprising a flexible insole member, a cover of a pliable material engaging said insole member and provided with a top portion and a bottom portion having common marginal edges which are joined together and which are so shaped as to provide said cover with an outline similar to that of said insole member whereby said cover is snugly engageable around said insole member with the top and bottom cover portions on opposite sides thereof and at least partially encasing said insole member, the top portion of said cover defining the part of the cover adapted to be contacted by a foot of a user of the insert and being in overlying relation with respect to said bottom portion, a pocket-forming member mounted and located over said cover at the toe part thereof for receiving and engaging the toes of the foot and being generally coextensive with having an outline similar to the part of the cover which the toes are adapted to overlie, the common marginal edges of said cover and said pocket-forming member being joined together whereby said pocket-forming member is overturnable independently of said cover between a position adjacent the top portion of said cover where it is operative for receiving the toes of a user of the insert and a position adjacent the bottom portion of said cover where it is inoperative, said pocket-forming member comprising a pliable material and lying in a generally flat condition over said cover except when in operative toe engagement and when undergoing turning to locate it as desired adjacent one of said portions of said cover, said cover being provided with an opening therein through which said insole member is insertable within the cover and removable therefrom whereby said cover, including the pocket-forming member joined thereto, is separable from engagement with said insole member.

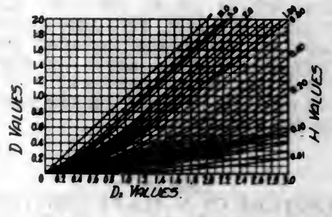
2,559,015
ARC AND CENTER POINT LOCATING INSTRUMENT
Oscar Frederick Graff, Washington, D. C.
Application February 14, 1947, Serial No. 728,482
1 Claim. (Cl. 33—1)

A drafting instrument comprising a flat, transparent body portion having sight lines inscribed thereon, said lines diverging from a common point and extending toward the edge of said body and being provided with radii scales therealong, a series of spaced concentric arcuate lines on one side of said sight lines having their ends terminating approximately at said sight lines, a groove in said body on the opposite side of said sight lines and extending from said common point of the sight lines to substantially the edge of the body and bisecting the angle between said sight lines, said groove having a series of spaced openings through the bottom thereof beginning at said common point and extending therealong



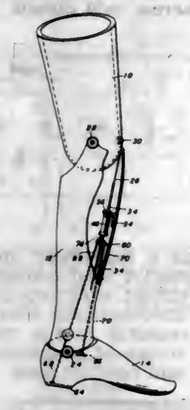
and a scale along said groove whereby the sight lines serve the dual function of serving as a scale of radii for the arcuate lines when used to determine the radii of circles and also to locate the lineal series of openings when they are used to mark the center points of circles.

2,559,016
METHOD FOR DETERMINING HARDENABILITY OF STEEL
Marcus A. Grossmann, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Original application June 25, 1942, Serial No. 448,453. Divided and this application May 31, 1945, Serial No. 596,921
1 Claim. (Cl. 73—15)



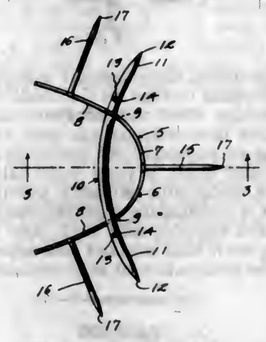
A method of determining the hardenability of steel, comprising the steps of making a series of steels having the same basic composition but varying in the content of one alloying element, making cylindrical quenching specimens of said steels in various sizes, quenching said specimens under identical conditions, and measuring the diameters of the largest specimen of each of said steels which is hardened throughout, i. e., the critical diameter at which the quenched specimen is characterized by the absence of a relatively soft core within an external hardened case, thereby obtaining a relation between such critical diameter and the content of said alloying element giving the hardenability factor of the latter, then repeating the procedure set forth above for various elements entering into the composition of steel, the hardenability of a steel containing known amounts of the several elements being given by the product of the hardenability factors corresponding to such amounts of all the elements present in the steel.

2,559,017
ARTIFICIAL LIMB
Henry G. Hanson, Minneapolis, Minn.
Application July 1, 1947, Serial No. 758,365
3 Claims. (Cl. 3—2)



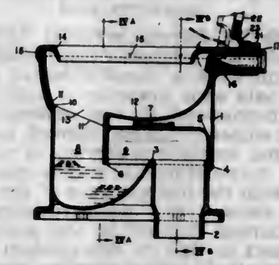
1. An artificial limb having a pair of limb portions, a joint connecting said limb portions allowing relative movement in one plane only, a pair of inflexible rods having one end of each connected to one limb portion on opposite sides of said joint, a shaft adapted for connection to an operating member, a clutch connection between said shaft and both of said rods, said clutch connection allowing movement of the shaft in one direction relative to said rods in all positions of said one limb portion, and preventing relative movement in the opposite direction when said one limb portion is tilted in either of the two possible directions from a normal position.

2,559,018
CALF WEANER
William Kues, Waskish, Minn.
Application May 19, 1950, Serial No. 163,024
4 Claims. (Cl. 119—132)



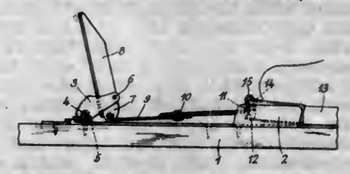
1. A calf weaner comprising a long narrow rigid metal strap forming a frame adapted to engage across the nose and along the sides of the face of a calf and including an arcuate intermediate portion disposed across the front of the nose and corresponding end portions which diverge from the ends of said intermediate portion and which extend along the sides of the face, each of said end portions having an opening spaced a corresponding distance from its terminal and adjacent said arcuate intermediate portion, a piercing prong sized to slide freely through said openings and having a tapered pointed end forming a piercing point adapted to pierce the nose of a calf, stop means detachably engaging said piercing prong outwardly of the frame and retaining spaced portions of the prong in engagement with the frame openings, and the other end of the prong terminating in a tapered point, said pointed prong ends extending outwardly from the frame to form spikes to discourage sucking by the calf.

2,559,019
SANITARY CLOSET BASIN
Bedřich Kulhavý, Revuca, Kupele, Czechoslovakia
Application October 17, 1949, Serial No. 121,655
In Czechoslovakia November 8, 1948
5 Claims. (Cl. 4—10)



1. A sanitary closet basin comprising an outer shell, a removable bowl fitting inside said shell, and a removable bell fitting inside said shell below said bowl, said shell and said bell being mutually complementary and forming a discharge siphon and a water-trap, said bell having a wall dividing the inlet side from the discharge side of said water-trap, and a discharge conduit integral with said shell, and part of the lower edge of said bell fitting around part of the upper end of said discharge conduit, and a plate secured to said shell, pivots on said plate, and slots in said bowl to accommodate said pivots enabling said bowl to be swung around said pivots.

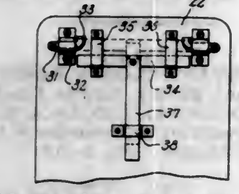
2,559,020
SKI BINDING
Joakim Lehmkuhl, Watertown, Conn.
Application December 18, 1948, Serial No. 66,069
4 Claims. (Cl. 280—11.35)



1. A ski-binding comprising a ski, a toe iron carried by said ski for receiving a boot, a tightener comprising two levers carried by said ski in front of said toe iron, one lever being single-armed and one end of which is pivotally attached to the ski, the other lever being double-armed and being pivotally attached to the other end of said single-armed lever, one arm of said double-armed lever being free and serving as an operating arm for tightening and releasing the binding, and rigid means attached to the other arm of said double-armed lever for abutting against the front edge of the boot and for pressing the boot backwards when the levers are swung from on to off position, said rigid means being provided with an abutment portion of length exceeding

the thickness of said rigid means, whereby a pressure area of considerable extent is provided for pressing said boot backwards.

2,559,021
FOLDING DINETTE TABLE AND BENCHES
John M. Leonard, Cedar Rapids, Iowa
Application August 13, 1948, Serial No. 44,045
1 Claim. (Cl. 287—95)



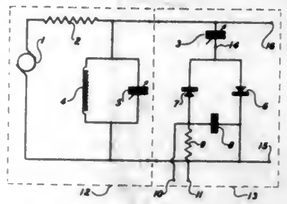
A foldable leg having inwardly bent upper ends and laterally extending formations on the inwardly bent ends, a support, means pivotally connecting said ends inwardly of said laterally extending formations to the undersurface of the support adjacent one end thereof, said laterally extending formations serving to retain the leg against outward pivotal displacement when in contact with the undersurface of the support, a retaining element, and means slidably mounting the retaining element on the undersurface of the support so that in one position said retaining element will extend over the laterally extending formations of the leg ends to prevent the pivotal displacement of the leg upon the support in the opposite direction, and in another position will be removed from said laterally extending formations to permit pivotal displacement of the leg into folding position.

2,559,022
DRY INFANT FOOD
Jan Lolkema, Hoogezand, Netherlands, assignor to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands, a corporation of the Netherlands
No Drawing. Application July 19, 1948, Serial No. 39,579. In the Netherlands July 15, 1947
2 Claims. (Cl. 99—83)

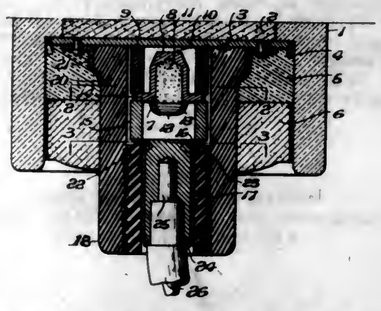
1. A dry infant food comprising milk powder, dextrin-maltose, a solid organic acid in a proportion sufficient to coagulate the casein of the milk powder when the preparation is dissolved in water and approximately 10% of a cold swelling flour taken from the class consisting of flour which has been mixed with up to an equal amount of water and pressed in thin layers at a temperature above the gelatinizing temperature of the so-heated flour of about 100° C. and higher, simultaneously drying said thin layers and thereafter comminuting such product, and a starch treated with hydrogen peroxide in a neutral medium and thereafter pressed in admixture with water in thin layers at elevated temperatures, simultaneously drying said thin layers and thereafter comminuting such product.

2,559,023
PHASE MODULATION
Marcus A. McCoy, Los Angeles, Calif., assignor to United Geophysical Company, Inc., Pasadena, Calif., a corporation of California
Application February 21, 1949, Serial No. 77,514
17 Claims. (Cl. 332—29)

14. A phase modulation system comprising a source of carrier frequency oscillations, a circuit coupled to said source, a resistive impedance connected between the source and the circuit and isolating the circuit from the source, the phase of the voltage across said circuit relative to the voltage at the source being variable with change of reactance across said circuit, a rectifier system comprising a non-linear impedance in series with a resistive load connected across two points of the circuit, said non-linear impedance developing a unidirectional bias voltage across said load in response to the voltage from the source, and a source of modulation voltage connected across said resistive load.



2,559,024
ELECTRICAL DISCONNECTOR
John Robert McFarlin, Philadelphia, Pa., assignor to Electric Service Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 19, 1944, Serial No. 545,644
2 Claims. (Cl. 200—113)

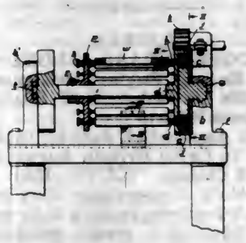


1. An electrical disconnector comprising an insulating housing having an electrode sealed therein, a cartridge shell spaced from said electrode and forming therewith an arc gap, said cartridge containing an explosive, an insulator spacing said electrode and shell, a fibre tube carried by said housing, a conductor support mounted on said fibre tube, a conducting member electrically connecting said support and shell, and a conductor connected with said support and separable therefrom by the detonation of said explosive.

2,559,025
MULTIPLE LATHE
Marcel Mialhe, Vabre, France
Application July 18, 1946, Serial No. 684,460
In France August 22, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires August 22, 1962
1 Claim. (Cl. 82—3)

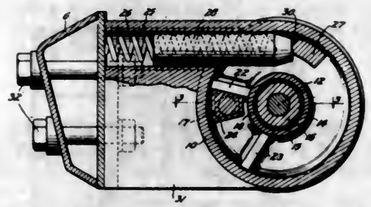
In a multiple lathe in combination, a shaft, means to support said shaft at its ends, a head stock and a tail stock aligned and secured to said shaft to rotate therewith, a sun gear in said head stock mounted on the shaft, work-

rotating spindles mounted at one end in a circle concentric with the axis of said shaft in said head stock, planet gears mounted on said spindles and meshing with said sun gear, means on



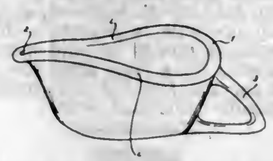
said tailstock to support the other end of said spindles, and means for rotating said shaft, the numbers of teeth on said sun gear differing from an integral multiple of the number of teeth on each planet gear.

2,559,026
FLIGHT ATTACHMENT
Ernest C. C. Miller, Laurelton, N. Y.
Application January 25, 1949, Serial No. 72,715
4 Claims. (Cl. 198—175)



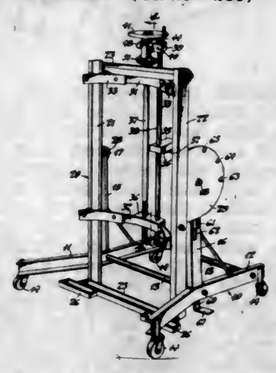
2. In a flight mounting, a pair of relatively rotatable members rotatably secured together and defining an enclosed space between them, an abutment on one of said members and projecting into said space, the other of said members having a guide opening extending more or less tangentially into said enclosed space, spring means guided in said opening and projecting into said space for engagement with said abutment means, and a flight member disposed so as to close one end of said guide opening in abutting relation with one end of said spring means.

2,559,027
CHAMBER POT FOR CHILDREN
Eduardo Miralta-Seix, Barcelona, Spain
Application January 7, 1949, Serial No. 69,811
In Spain (Utility Model) February 6, 1948
1 Claim. (Cl. 4—141)



An improved chamber-pot for children, of lengthened contour of its seat, wherein the rim of the said lengthened contour is not in a plane but corresponds to a sinuous surface relative to a vertical plane passing through the major axis of the vessel, the depression being adjacent the widest or central portion adjacent the rear and the upwardly inclined portion adjacent the forward portion, while the rim converges forward of the enlarged body section on either side and terminates in a narrow pouring spout or lip for the purpose of adapting same in anatomical respect to the gluteal region of the child's body, a support on said chamber-pot externally thereof at the rear portion and in the direction of its longitudinal axis, the lower edge of said support coinciding with the chamber-pot's plane of support and extending rearwardly in a substantially flat plane therewith, said support having an opening transversely thereof constituting a handle for the chamber-pot.

2,559,028
WASHING MACHINE SUPPORTING CARRIAGE
Alfred R. Oberwegner, Los Angeles, Calif.
Application March 31, 1947, Serial No. 738,465
3 Claims. (Cl. 29—288)

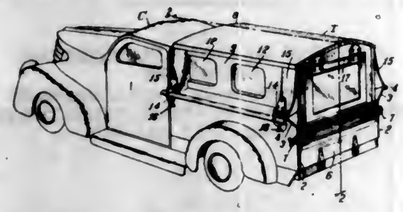


2. A device for supporting a domestic washing machine, or the like, in different positions, comprising: a base member; a frame pivoted on a horizontal axis on said base member to adapt it to be tilted to different positions of angular adjustment, said frame having a cradle against which the side of the machine is disposed; longitudinally spaced bearings on said frame, one of said bearings being internally screw-threaded; a shaft rotatable in said bearings and having screw threads engageable with the internal threads of said one bearing; a block carried by said shaft and in which said shaft is rotatable; a hand-wheel fast on said shaft; a rod secured to said block and slidable in said bearings to prevent rotation of said block; and a clamping hook carried by said block and adapted to engage the rim of the tub of the machine, when the block is moved in one direction; a clamping element adjustably secured to said rod and adapted to engage the base of the machine to retain the machine in place on said frame; and interengaging locking means on said base member and said frame for releasably locking said frame in its different angular positions.

2,559,029
REMOVABLE VEHICLE BODY
Albert A. Randolph, Glenmora, La.
Application January 9, 1950, Serial No. 137,530
2 Claims. (Cl. 296—24)

1. In a pick-up truck of the class wherein the truck cargo compartment rearwardly of the cab is defined by a horizontal cargo floor, relatively

laterally opposed upstanding sides, an upstanding front end wall and a rearwardly opening tail gate, the combination with said truck of a removable passenger compartment comprising an enclosed rearwardly opening tonneau, abutments projecting laterally from the opposite sides of said tonneau and longitudinally slidingly supporting same on the upper edges of said truck sides, with the sides of said tonneau depending interiorly of the truck sides, the lower edges of said tonneau sides respectively being parallel to and spaced above the truck floor to therewith define laterally opposed parallel guide grooves, a closure member being hinged in the open rear end of said tonneau and swingable to a closed

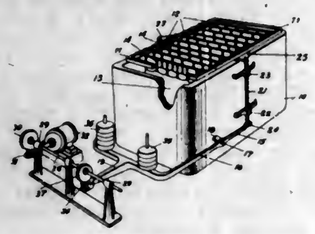


position wherein it cooperates with the truck tail gate to completely close the rear of said tonneau, a false floor panel longitudinally slidable in said grooves into and from the truck through the rear end thereof, a plurality of seats secured to said false floor panel and slidable therewith through the rear end of said tonneau, and clamp means carried by said tonneau for cooperation with the truck sides to prevent vertical movement of the tonneau and false floor panel when the truck is in motion, said false floor and tonneau extending between the respective ends of the truck cargo compartment and being restrained against endwise movement thereby when the tailgate is closed.

2,559,030

APPARATUS FOR SCOURING, BLEACHING, DYEING, OR OTHER SIMILAR OPERATIONS ON TEXTILE MATERIALS

Jean Rottier, Barcelona, Spain
Application July 23, 1947, Serial No. 763,100
In Spain March 31, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 31, 1962
3 Claims. (Cl. 68—165)



1. An apparatus for scouring, bleaching, dyeing and similar operations, comprising a liquid containing tank having an opening, a frame having dimensions corresponding to said opening supported on the edges thereof, a series of parallel bars supported on said frame for supporting the textile pieces to be treated, guiding brackets fixed to the walls of said tank, vertically extending stems sliding in said brackets, platforms at the upper ends of said stems extending over the edges of the tank and under said frame, said frame resting on said platforms on opposite sides, and means for moving said stems upwardly carrying the frame with said pieces and then permitting said frame to descend by gravity.

2,559,031

COPPER BASE ALLOYS

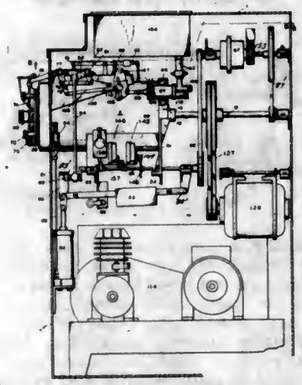
John Sykes, Enfield, England, assignor to Enfield Rolling Mills Limited, Enfield, England, a company of Great Britain
No Drawing. Application July 19, 1944, Serial No. 545,720. In Great Britain August 26, 1943
8 Claims. (Cl. 75—153)

7. A high-duty copper-base alloy consisting of from 5% to 7% silver, from 0.04% to 0.1% oxygen, up to 0.2% of a metal selected from the group consisting of nickel and cobalt and the balance copper.

2,559,032

ICE CREAM AND FROZEN CONFECTION FREEZER AND DISPENSER

Andrew J. Tacchella, Portland, Oreg., assignor, by mesne assignments, to Steady-Flow Freezer Co., a corporation of Oregon
Application April 24, 1946, Serial No. 664,670
26 Claims. (Cl. 62—114)



1. An ice cream and frozen confection freezer, including a confection freezing chamber, mixing means in said chamber, an electric motor for operating said mixing means, freezing means associated with said chamber, an electric motor operated freezing unit for supplying refrigeration to said freezing means, a thermostat associated with said freezing means, a switch controlled by said thermostat, said switch being closed when the temperature of the freezing unit is above a predetermined temperature, means operable to apply electrical energy to both of said motors when said switch is closed, and a delayed relay switch operable to maintain the application of electrical energy to said mixing means operating motor for a time after the opening of the circuit for the freezing unit motor by said thermostatically-controlled switch.

2,559,033

ELECTROLYTIC PROCESS OF PRODUCING DIACETONE-KETO-GULONIC ACID

Albert Verheyden, St. Denijs-Westrem, Belgium
No Drawing. Application August 13, 1946, Serial No. 690,337. In Belgium September 22, 1945
4 Claims. (Cl. 204—79)

1. In a process of producing diacetone-ketogulonic acid, the step comprising subjecting sorbose diacetone in an aqueous alkaline solution to anodic oxidation employing an anodic current density between 0.1 and 10 amps. per square decimeter, the proportion between the cathodic current density and the anodic current density being maintained between 2:1 and 20:1, and an anode having in one normal alkaline solution an overvoltage between 0.57 and 0.67 volt, said anodic oxidation being effected in the absence of heat supplied from an external source and in the absence of any oxygen carrier effective in an alkaline medium to oxidize said sorbose diacetone.

2,559,034

ELECTROLYTIC PROCESS OF PRODUCING DIACETONE-KETO-GULONIC ACID

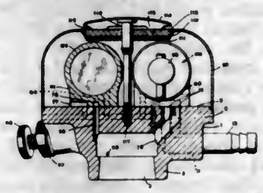
Albert Verheyden, St. Denijs-Westrem, Belgium
No Drawing. Application August 13, 1946, Serial No. 690,338. In Belgium September 22, 1945
6 Claims. (Cl. 204—79)

1. In a process of producing diacetone-ketogulonic acid, subjecting sorbose diacetone in aqueous alkaline solution to electrolysis without application of heat in the presence of a quantity of oxygen carrier effective in an alkaline medium to oxidize said sorbose diacetone, said quantity being substantially lower than the stoichiometric quantity required for oxidizing said sorbose diacetone to diacetone-keto-gulonic acid, and gradually feeding sorbose diacetone into said solution as the oxygen carrier is being regenerated in situ by the electric current.

2,559,035

MILKING MACHINE PULSATOR

Sam P. Wall, Chicago, Ill., assignor to Rite-Way Products Co., Chicago, Ill., a corporation of Delaware
Application January 17, 1947, Serial No. 722,663
14 Claims. (Cl. 137—145.3)



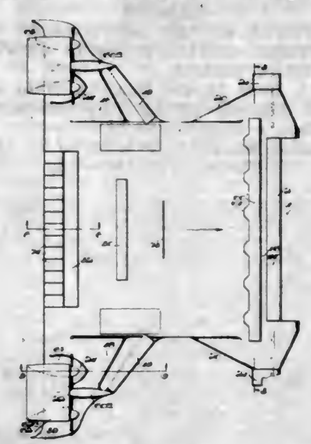
1. A milking machine pulsator comprising a pulsator block, a hose-receiving nipple extending therefrom, and means for applying vacuum and atmospheric pressure to said nipple alternately in cycles, said means including a valve reciprocable on the block and controlling the application of vacuum and atmospheric pressure to said nipple, and pneumatic means for operating the valve comprising a pair of pneumatic cylinders formed in the valve, pistons in said cylinders, and means for holding the pistons with respect to the block against movement in the direction of the longitudinal axes of the cylinders.

2,559,036

STABILIZER FOR WIDE PRESSURE PLANES

Douglas K. Warner, Sarasota, Fla.
Application June 26, 1947, Serial No. 757,081
8 Claims. (Cl. 244—15)

1. In an airplane, a main airfoil extending the approximate full length of said plane and runners depended from the sides thereof, and flaps flexibly depended from approximately the leading and trailing edges thereof, a rearwardly directed slot at the leading edge of said plane communicating with the space directly behind said front flap and all space beneath said plane, fans rearward of said slot and spaced therefrom and top lifting surface located therebetween, a passage of rearwardly increasing cross-sectional area communicating between said fans and the space beneath said airplane, rearwardly directed slots in the top rear surface of said plane communicating with the space beneath and airfoils pivotally mounted and independently operated in the top surface of said plane forming said slots

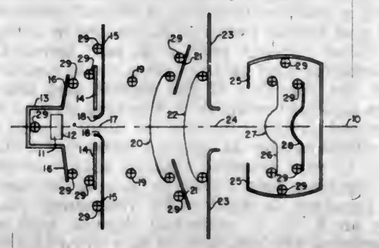


to close the front and open the rear slots as the plane lifts away from a surface, thereby releasing the pressure of air previously trapped therebeneath, and rearwardly located wings extended from the runners of said plane, outwardly, upwardly to form a dihedral angle for lateral stability, pilot wings pivotally mounted forwardly and above said rear wings of approximately 18% the main lateral wing's chord, and a like distance above and ahead of said wings, and smaller airfoil stabilizers extended from the forward portions of said runners set at higher attack angles than said rear wings and designed to stall before the main wing and rear wing can stall.

2,559,037

ELECTRON DISCHARGE DEVICE OF THE FOCUSSED-BEAM TYPE

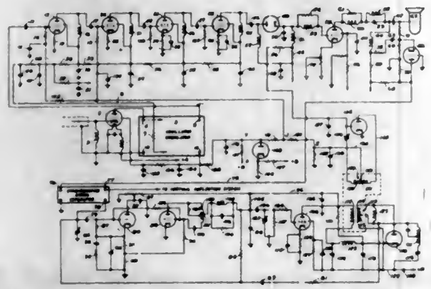
Robert Adler, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application December 30, 1948, Serial No. 68,285
20 Claims. (Cl. 313—81)



1. An electron discharge device comprising an electron gun including: a cathode having a substantially plane emitting surface; an auxiliary electrode at least a portion of which is substantially coplanar with said emitting surface: a fo-

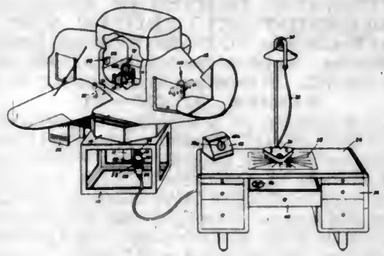
cusing electrode spaced from said cathode and having an aperture disposed opposite said emitting surface; and an accelerating electrode spaced from said focusing electrode on the side thereof remote from said cathode and having an aperture the boundaries of which extend toward said cathode and terminate at a distance from those boundaries nearest said cathode of the aperture of said focusing electrode which does not exceed a small fraction of the transverse dimensions of the aperture of said accelerating electrode.

2,559,038
LINE PULSE KEYED AUTOMATIC GAIN CONTROL CIRCUIT WITH CONTROL VOLTAGE DELAY
Harland A. Bass, Mount Healthy, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application August 1, 1949, Serial No. 107,962
1 Claim. (Cl. 178—7.3)



An automatic gain control system, for use with a television receiver of the type including a gain-controlled video channel having radio frequency and intermediate frequency stages, a video detector and a line-frequency deflection system having a sweep transformer and providing a source of line-frequency pulses, comprising the combination of means keyed by the line-frequency signal output of said detector for rectifying line-frequency pulses to provide a source of negative potential having an amplitude which varies in accordance with said output, said means comprising an auxiliary winding on said transformer and an electron tube, said tube having a cathode-control electrode circuit coupled to said detector and an anode-cathode circuit in series with said auxiliary winding, an anode load circuit comprising a first resistor and a parallel capacitor connected in series with said winding and said cathode, said first resistor and parallel capacitor having a time-constant product of approximately twenty-three lines, a source of positive potential having a positive terminal, a second resistor and third and fourth resistors connected in series and in a direct current path with said terminal and said winding and said anode, a diode coupled between the junction of the second and third resistors and said cathode and having its own anode connected to said junction for holding said junction substantially at ground potential until the output of said detector reaches such a level that said junction goes negative, means for coupling said junction to said radio frequency stage to apply an A. G. C. potential thereto, and means for coupling the junction of said third and fourth resistors to said intermediate frequency stage to apply an A. G. C. potential thereto, the last-named junction being located between the first-mentioned junction and the source of negative potential, whereby a part of the available negative A. G. C. potential is first applied to the I. F. stages alone, and, after an increase in carrier signal level, A. G. C. potentials not affected by said diode are applied to both R. F. and I. F. stages.

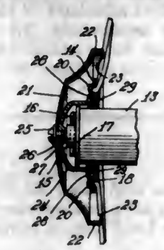
2,559,039
SIMULATED RADIO DIRECTION FINDING MEANS FOR AVIATION TRAINERS
George Alton Decker, Fenton, N. Y., assignor to Link Aviation Inc., Binghamton, N. Y., a corporation of New York
Application April 3, 1945, Serial No. 586,362
3 Claims. (Cl. 35—10.2)



1. In a grounded navigation training system of the type comprising a fuselage for a student and rudder pedals in the fuselage simulating the rudder pedals of a real plane for changing the assumed heading of the fuselage, a system for simulating a real radio direction indicating system, said system comprising a bridge circuit, a signal source connected to said bridge circuit and signal emitting means connected to said bridge circuit to emit signals of an intensity dependent upon the balance of said bridge circuit, a member located adjacent a portion of said bridge circuit for affecting the balance of said bridge circuit by relative movement between said member and the adjacent portion of said bridge circuit, a first means for producing relative movement between said member and the adjacent portion of said bridge circuit in response to movements of the rudder pedals in the trainer, a second means for producing relative movement between said member and the adjacent portion of said bridge circuit, and switching means in said fuselage simulating the "sense" switching means of actual aircraft connected to said bridge circuit for shorting a portion of the same for affecting the balance of the same.

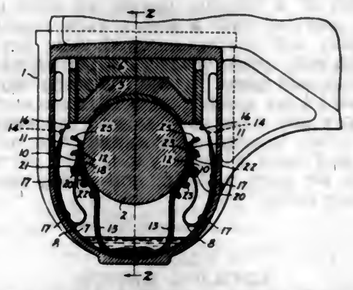
2,559,040
VEHICLE WHEEL WITH IMPROVED HUB CAP MOUNTING
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application June 7, 1950, Serial No. 166,711
5 Claims. (Cl. 301—108)

1. In a vehicle wheel, a rim, a hub, a spoke flange carried by the hub, spokes extending between the rim and the spoke flange, said spokes being constituted by wires having their extremities anchored in equidistantly spaced apertures formed in the spoke flange, a strap metal supporting yoke that is generally U-shaped and provided near each of its extremities with a spoke flange engaging shoulder, each extremity of said yoke being in the form of a relatively narrow tang projecting from one of said shoulders, each of said tangs extending through one of the spoke anchorage apertures of the spoke flange and being turned against the adjacent face of the spoke flange to clamp the spoke flange between such tang and the yoke shoulder from which it projects, the spoke anchorage apertures through which said tangs project being diametrically opposite each other, a dished hub cap embracing



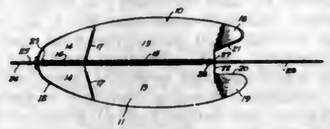
said yoke and the adjacent end of the wheel hub, said cap having its central portion secured to the yoke, intermediate the ends of the yoke, by a single screw, and a peripheral flange which is presented to the wheel spokes and which is provided with spaced apart notches embracing some of said spokes.

2,559,041
LUBRICATING DEVICE
Waldemar H. Korn, Davenport, Iowa
Application April 11, 1946, Serial No. 661,416
14 Claims. (Cl. 308—88)



1. A lubricating device comprising a backing member having longitudinally extending top and bottom edges, an open meshed netting secured across one face of said backing member, wick members of absorptive material engaging said mesh and interwoven across the face thereof to form a pad, said pad being provided with extended wick portions depending beyond said longitudinally extending bottom edge of said backing member.

2,559,042
FISH LURE
George G. Norris, River Rouge, Mich.
Application December 11, 1946, Serial No. 715,404
1 Claim. (Cl. 43—42.51)

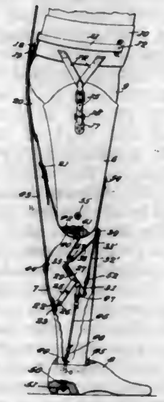


An artificial fish lure comprising a relatively thin sheet-like body having an end portion bent obliquely relatively to the intermediate portion thereof, hook means connected to one end of said body, and oppositely-bent longitudinally-extending fins at the end remote from said bent end portion, one of said fins having its inner edge diverging outward relatively to the longitudinal axis of said body and the other fin having the horizontal projection of its inner edge substantially parallel to said longitudinal axis.

2,559,043
STARCH ADHESIVE SHEET MATERIAL AND COMPOSITION THEREFOR
Leonard Russell Nestor, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application November 26, 1947, Serial No. 788,313
7 Claims. (Cl. 106—213)

1. A water-activatible adhesive sheet material, characterized by rapid and uniform activation upon moistening with water, comprising a flexible backing and a thin, normally non-tacky dried surface coating of an adhesive composition comprising an alkaline-reacting starch base adhesive formed by holding a slurry of starch in an aqueous solution of an oxidizing agent below the temperature required to gelatinize the starch, to bring the starch mixture in an acidic condition to a point at which it is alkali-convertible to an adhesive mass having a viscosity as herein specified, and thereupon adding alkali to convert the said acidic starch mixture to a smooth, homogeneous, alkaline solution having a viscosity within the range equivalent to about 500–4000 cps. as determined at 120° F. and 50% solids, said addition of alkali being carried out while maintaining the temperature of the mass below the gelatinizing temperature.

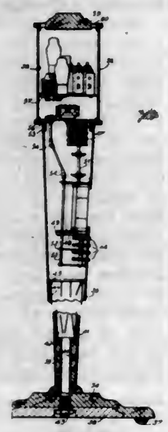
2,559,044
ARTIFICIAL LIMB
Charles N. Pace and Edward O. Decker, Cumberland, Wis.
Application February 3, 1949, Serial No. 74,336
6 Claims. (Cl. 3—2)



1. In an artificial limb, pivotally connected thigh and calf portions, means operable upon pivotal movement of said thigh portion for accelerating forward motion of the calf portion until it is in line with said thigh portion, said means including a strap having one end supported from the body of the wearer, and its

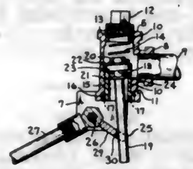
other end attached to said calf portion, a lever pivotally supported within said calf portion, means attached to one end of said lever and connected to said strap for moving said lever downwardly about its pivot, and means attached to the other end of said lever and operable by movement of said lever to accelerate movement of said calf portion into alignment with said thigh portion during a forward stride of said artificial limb.

2,559,045
COMBINED LIGHTING DEVICE AND RADIO RECEIVER OR LOUDSPEAKER
Louis Léon Lucien Pétel, Levallois Perret, France
Application August 1, 1947, Serial No. 765,614
In France July 30, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 30, 1966
4 Claims. (Cl. 250—14)



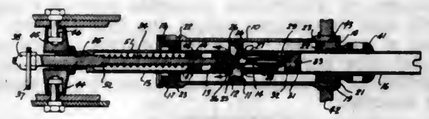
1. In a combined musical and lighting standard, a pedestal formed with a central hole, a hollow composite column having an axis of symmetry fitted on said pedestal, a radio receiver set housed within the upper portion of said column, a ridge for closing the upper part of said hollow column, said ridge being formed with a plurality of holes for cooperating with a central hole of said pedestal with a view to generate a circulation of cooling air for said radio set, means for tuning and controlling said radio receiver set located within said column between said pedestal and said set and one part of which protrudes from said column, a plurality of reproductions of said apparent part on the outer surface of said column for giving thereto an ornamental appearance, a loud speaker connected with said receiver positioned over the same on said axis, said loudspeaker having a central core rigidly fitted on said ridge and a vibratory membrane resiliently connected with said column, indirect lighting means positioned on said axis and comprising a reflector open at the top the base of which is situated near and above said loud speaker and at least a lamp mounted inside said reflector, a plurality of direct lighting means disposed around said indirect lighting means, a plurality of fins fitted on the outer surface of the reflector in planes enclosing the axis of symmetry, a shell provided with apertures through its upper wall, the inner wall of which is sound-neutralized and adapted to contain the loud speaker, a polished transparent baffle provided with passages for the direct lighting means and with a central aperture fixed above said loudspeaker opposite the shell apertures, whereby the sound waves emitted downwards by said loud speaker after successive reflections on the inner wall of said shell and on the interior surface of said baffle are downwardly directed while the sound waves emitted upwards by said loud speaker are upwardly directed through the central aperture of said baffle, means for emphasizing separately the shrill and low tones, and means for connecting said lighting means and said radio receiver set with an electric current supply.

2,559,046
VALVE
Norman J. Peters and Karl W. Flentje, Fond du Lac, Wis., assignors to Damrow Brothers Company, Fond du Lac, Wis., a corporation of Wisconsin
Application September 19, 1947, Serial No. 774,904
1 Claim. (Cl. 251—125)



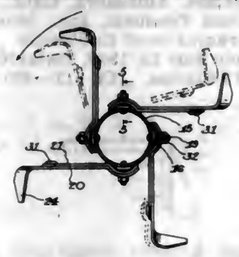
In a valve of the character described, the combination of a housing having an inlet and an outlet provided with a seat, a valve mounted on said seat and having a round stem projecting through said outlet, spaced arms on said housing adjacent said stem, a lever pivotally supported from said arms and having a trip lever connected thereto whose outer end has a curved wedge surfaced notch to engage the stem of the valve and guide and move it laterally to tilt the valve on its seat to an open position, and spring means to close said valve.

2,559,047
LOCKING DEVICE
Percy L. Porter and Arthur D. Armstrong, Los Angeles, Calif.
Application January 8, 1946, Serial No. 639,856
9 Claims. (Cl. 188—96)



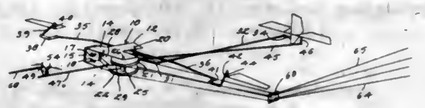
1. A locking device of the type described, comprising: a cylinder; a substantially non-compressible liquid filling said cylinder; a piston operating in said cylinder; means forming a liquid seal between said piston and the engaged wall surface of said cylinder; a single passageway formed through said piston; a single valve normally closing said passageway to the flow of liquid whereby said cylinder and piston are normally held against relative movement; and means, including means carried exteriorly of said cylinder, for actuating said valve to open said passageway whereby liquid may pass through the single passageway of said piston and simultaneously freeing said piston for movement in either direction relative to said cylinder.

2,559,048
RESILIENT TOOTH MOUNTING FOR ROTARY PLOWS
Harry J. Seaman, Milwaukee, Wis.
Continuation of application Serial No. 459,781, September 26, 1942. This application January 4, 1945, Serial No. 571,240
11 Claims. (Cl. 97—216)



6. In a rotary pulverizer, a rotatable tubular tool shaft, outwardly extending studs secured to said shaft in peripherally spaced relation, the inner ends of said studs being adjacent to the inner periphery of said tubular shaft, tools each having a resilient arched end portion saddled on said shaft, said arched end portion having longitudinally spaced shaft-engaging bearing surfaces and a stud-receiving opening between said surfaces, and nuts on said studs for clamping the arched portions of the tools to said shaft, each tool extending from said shaft in a direction away from the direction of shaft rotation.

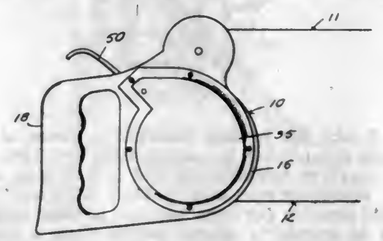
2,559,049
CONSTANT TENSION FLIGHT CONTROL DEVICE FOR MODEL AIRPLANES
Oba L. St. Clair, Eugene, Oreg.
Application June 29, 1948, Serial No. 35,801
7 Claims. (Cl. 46—77)



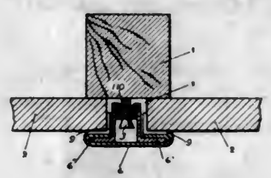
1. An airplane control unit for an airplane having movable control surfaces and an engine, adapted for connection to an operator's control unit, comprising a frame, means pivotally mounting said frame on said airplane, resilient means biasing said frame towards one position in said airplane, control members rockably mounted on said frame, means connecting said frame to one of said control surfaces for actuation upon movement of said frame on its pivot, means operatively connected between said control members and the other control surfaces for actuation upon rocking of said members, engine control means operably connected between said engine and one of said control members for actuating said engine control upon actuation of one of said other control surfaces, and flexible members connected between said control members and said operator's control unit.

2,559,050
AUTOMATIC REEL FOR CONTROLLING SELF-PROPELLED MODEL AIRPLANES
Oba Leonard St. Clair, Eugene, Oreg.
Application July 2, 1948, Serial No. 36,763
2 Claims. (Cl. 242—107)

1. An operator's control device for attachment to the control lines of a model airplane comprising a frame, a hand grip on said frame, a shaft journalled in said frame, a winding drum fixed on said shaft and with which the control lines are connected, an idler wheel rotatably mounted in said frame, said idler being spaced from said drum with one of the control lines trained thereover, spring means for rotating said drum in one direction for simultaneously winding in the control lines, a brake drum freely rotatable on said shaft, a ratchet means carried by said shaft and operatively connected to the brake drum for rotation with said winding drum in the other direction of rotation thereof by the pull of said control lines, a spring-urged brake band about said brake drum for controlling the rotation of said brake drum, means for controlling the tension of said brake band on said brake drum, said controlling means including a spring pressed member constantly urging said brake band to braking position, and a manually operable cam for effecting a release of said brake band, and correlated means carried by said brake drum and said shaft permitting rotation of said winding drum in said one direction relative to said brake drum.

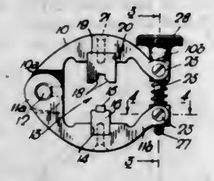


2,559,051
WALL COVERING
Jan van Huist, Nieuwer-Amstel, Netherlands
Application January 7, 1947, Serial No. 720,668
In the Netherlands January 25, 1946
3 Claims. (Cl. 20—4)



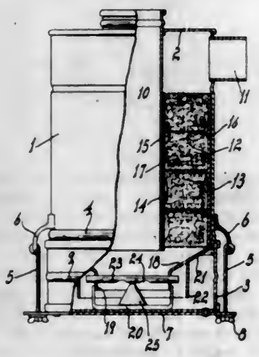
1. A wall covering comprising in combination at least one upright stud, spaced headed guiding pins protruding perpendicularly from the front face of the stud and disposed in vertical alignment, panels arranged against the front face of the stud on opposite sides of and spaced from the guiding pins, a covering strip extending between the panels and overlapping the edges thereof, wedging members engaged by and movably arranged within the covering strip and each having a wedging surface engaging the headed end of a guiding pin, and the lateral edges of the covering strip having spaced apertures providing lateral access to the interior of the strip along the front face of each panel for moving the wedging members in longitudinal direction of the strip and to force said members, by the cooperation of their wedging surfaces with the headed ends of the protruding guiding pins, towards the stud and thereby to clamp the strip firmly against the panels.

2,559,052
HONING DEVICE
George Frederick Wagstaff, Cheltenham, England, assignor to Delapena & Son Limited, Cheltenham, England
Application September 5, 1947, Serial No. 772,450
In Great Britain September 9, 1946
13 Claims. (Cl. 51—184.1)



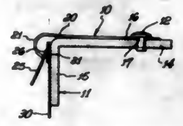
1. A tool for honing external surfaces of revolution comprising in combination two jaws pivoted together towards one end to define an aperture therebetween and having at least three spaced bearing portions adapted to bear unyieldingly at angularly spaced points upon a surface of revolution of a workpiece placed within said aperture between the jaws, two of said bearing portions being carried by one of said jaws so as to be relatively fixed and arranged at an angle to each other to define a throat in which the workpiece is held by another of said bearing portions carried by the other of said jaws, at least one of said bearing portions comprising an abrasive element, and means towards the other end of said jaws for closing the jaws about their pivot to, and positively holding them against opening movement from, any one of an infinite number of relative positions of adjustment to effect adjustment of the abrasive element relatively to at least one of said bearing portions.

2,559,053
OIL SUMP AIR FILTER
Gordon Wallace, Long Beach, Calif.
Application June 20, 1947, Serial No. 755,841
3 Claims. (Cl. 183—15)



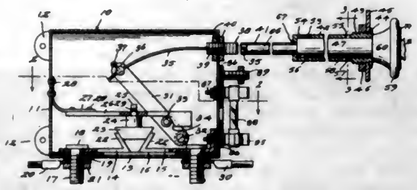
1. An air filter comprising an outer case, a sump in the bottom of the case containing oil, a vertical intake pipe extending into the top of said case and at the center of the case, said pipe terminating above the surface of the oil, an outlet pipe extending from the case, an inverted frustro-conical baffle within the case, the lower edge thereof being spaced from the bottom of the case, an oil return pipe extending horizontally through the reduced end of said baffle, said pipe having an outlet near the center of the case, the outer ends of said pipe being open to return oil from the periphery of the case to adjacent the center thereof.

2,559,054
MERCHANDISE HANGING DEVICE
Robert A. Walker, Alhambra, Calif., assignor to Scudder Food Products, Inc., Monterey Park, Calif., a corporation of California
Application July 23, 1948, Serial No. 40,227
13 Claims. (Cl. 211—89)



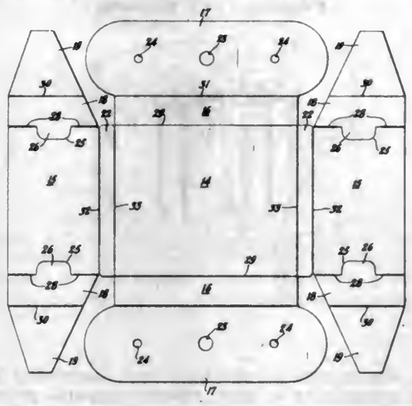
1. A hanger bracket comprising a relatively rigid frame having a substantially vertical depending member, a relatively resilient member secured to said rigid frame at a point remote from said depending member and having a gripping portion extending substantially parallel to the depending member, said portion being formed with a relatively resilient arcuate section and a relatively rigid arcuate section depending from said first mentioned arcuate section in a reverse direction thereto, said second arcuate section being formed with a reduced end extending upwardly and adapted to resiliently engage the face of said depending member, said resilient member being adapted to yield upon insertion of an item to be hung by said bracket and to tightly grip said item upon application of a force parallel to said depending member.

2,559,055
SWITCH APPARATUS
Estel M. Warren, Clinton, N. C.
Application November 15, 1949, Serial No. 127,307
2 Claims. (Cl. 200—161)



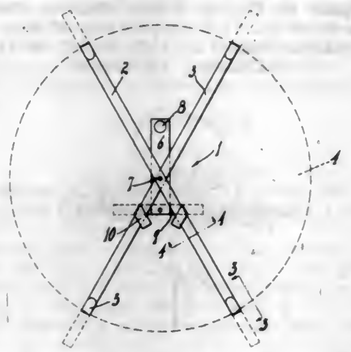
1. In a construction as described, the combination of a switch adapted for connection in series with a battery circuit of a motor vehicle having a housing, spaced angularly disposed contact surfaces, a spring urged switch arm spaced from said contact surfaces, said arm having an under surface formed as an inclined plane, a roller mounted adjacent said inclined plane and pivotally engageable thereunder to lift said arm, a contactor insulatedly suspended from the arm and normally engaging between said contact surfaces, actuating means in engagement with the roller for forcing said roller into engagement with the inclined plane to raise the contactor out of engagement with the contact surfaces, a positioning means connected to the actuator, spring mounted stop means associated with said positioning means, a rotary cylinder engageable with the stop means to move said stop means to locking position to lock said positioning means.

2,559,056
SPOOL
Arthur J. Weiss, West Englewood, N. J., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application January 30, 1947, Serial No. 725,398
10 Claims. (Cl. 242—119)



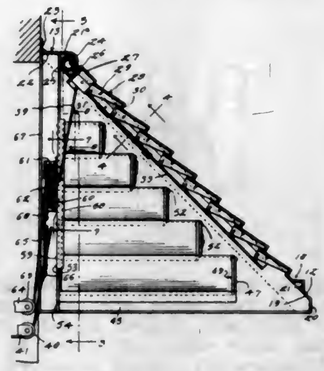
1. A folding spool comprising a body panel, end pieces attached to the ends of the body panel, inwardly folding extensions at each side of the body panel, and locking projections at the ends of said extensions, said locking projections entering recesses at the ends of the body panel when the extensions of the body panel are folded inwardly to hold the end pieces at substantially right angles to the body panel.

2,559,057
PLATE HANGER
Leonard E. Williams, Long Beach, Calif.
Application March 30, 1948, Serial No. 18,041
3 Claims. (Cl. 248—30)



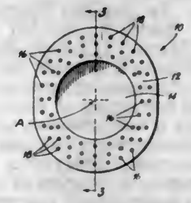
1. A plate hanger comprising a bracket, a pair of arms pivotly attached to said bracket the ends of said arms being bent over the edge of a plate to support the same, and means mounted on the bracket and engaging both of said arms, to hold said arms against spreading movement, said means comprising a lock strip attached to the bracket and adapted to be wrapped around said arms.

2,559,058
AWNING
David L. Woodberry, Fort Lauderdale, Fla.
Application December 31, 1947, Serial No. 794,903
3 Claims. (Cl. 20—57.5)



3. In a metal awning construction having spaced side panels and a rectangular top member, of oppositely spaced side channel members carried by the top, a plurality of transversely extending elongated slats having right-angular downwardly disposed ends, pivot means carried by each of said ends rotatably engaging an adjacent channel member for rockable mounting of said slats between said channel members, an elongated gutter bar at each end of said slats disposed below said ends, each of said gutter bars having upwardly extending right angle flanges disposed at each side of adjacent ends of said slats to provide a drainage gutter disposed under said slat ends, said connecting bars being pivotally connected to said slat ends for rocking thereof on longitudinal movement of the connecting gutter bars, spring means associated with each of said gutter bars having one end engaging therewith and an opposite end carried by an adjacent channel member for constantly urging said slats to rock to open position, and opposed pulleys carried by said gutter bars and channel members having a flexible member extending thereover for drawing the slats into closed position.

2,559,059
HELPER DEVICE
William Worstenholm, Maplewood, Mo.
Application October 24, 1949, Serial No. 123,250
3 Claims. (Cl. 128—79)



1. A helper device comprising an annular base of thin, flexible, resilient material, and having upstanding thin elongated flexible projections extending from one side of said base.

2,559,060
CARRIER RACK FOR BOTTLES
Raymond G. Zenick, Burbank, Calif.
Application January 21, 1949, Serial No. 72,039
2 Claims. (Cl. 294—87.28)



1. A carrier for pairs of bottles having beads at the top of their necks, said carrier comprising two identically shaped support members made from wires which are looped to provide series of transversely aligned U-shaped grooves facing each other at the center of the carrier, and a wire handle the ends of which are bent to form loops encompassing the wires of the contacting looped portions of the two members at the center of the carrier thereby to lock the members against relative longitudinal displacement, the bottoms of the grooves forming seats for the beads of each pair of bottles.

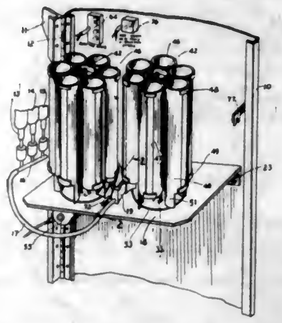
2,559,061
PHENYLCYANAMIDES AND METHODS FOR OBTAINING THE SAME
Clarence Kenneth Banks and John Controulis, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application July 15, 1946, Serial No. 683,784
4 Claims. (Cl. 260—440)

1. A compound of formula $R.C_6H_4.NHCN$ where R is an arsenic-containing radical of the class consisting of AsO, $As(OH)_2$, $As(Hal)_2$, AsO_3HM and AsO_3M_2, M representing alkali metal and Hal representing halogen, and water-soluble salts of said compound.

2,559,062
FRIEDEL-CRAFTS METAL HALIDE-ETHER COMPLEXES AS POLYMERIZATION CATALYSTS
Ralph W. Dornte, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 27, 1945, Serial No. 631,237
5 Claims. (Cl. 260—93.5)

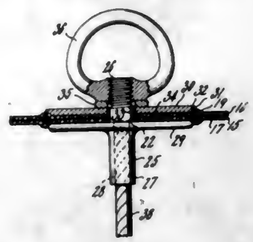
1. A polymerization process for the polymerization of an unsaturated hydrocarbon selected from the group consisting of isobutylene, styrene, and isoprene at a temperature between −10° C. and −103° C. comprising the steps of adding to the cold unsaturated material a polymerization catalyst comprising a complex of a Friedel-Crafts metal halide chosen from the group consisting of aluminum chloride, titanium tetrachloride and boron fluoride and an ether chosen from the class consisting of anisol, diphenyl ether, β, β' dichloroethylether, and 1,2-diphenoxyethane, said catalyst complex consisting of no more than 40 moles of ether per mole of metal halide.

2,559,063
AUTOMATIC DRINKING CUP DISPENSING DEVICE
Hermann F. Bremer and Joseph A. Gondolfo, Bronx, N. Y., assignors, by mesne assignments, to Rainbows, Inc., New York, N. Y., a corporation of New York
Application July 2, 1949, Serial No. 102,844
4 Claims. (Cl. 312—44)



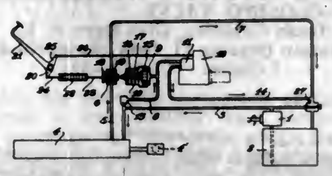
1. An automatic drinking cup dispensing device comprising a base, rotary supports pivoted upon the base adjacent one another, each of said supports having a plurality of tubes for receiving stacks of cups, means for rotating the rotary supports including timing drive elements, said base having discharge openings therein beneath the respective rotary supports for the discharge of cups therethrough and cam elements supported on the base and engageable with the cup stacks to work the lowermost cup from the stack for delivery to the discharge openings, the stacks being arranged in the respective rotary supports and the timing drive elements being such as to discharge a cup from first one rotary support and then from the other in an alternate manner.

2,559,064
FITTING FOR FLEXIBLE CONTAINERS
Marion Morgan Cunningham, Woonsocket, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 18, 1949, Serial No. 111,052
6 Claims. (Cl. 150—8)



1. In combination with a nonmetallic flexible-walled container having an opening therein, a ring of substantially round cross-section embedded in the surrounding wall and concentric with said opening, and a fitting attached to the surrounding wall in sealed relation, said fitting having an inner and outer flange clamped to the opposite faces of the surrounding wall, and said flanges being diametrically small enough to project into the space enclosed by said ring but large enough to exert some pressure on the ring.

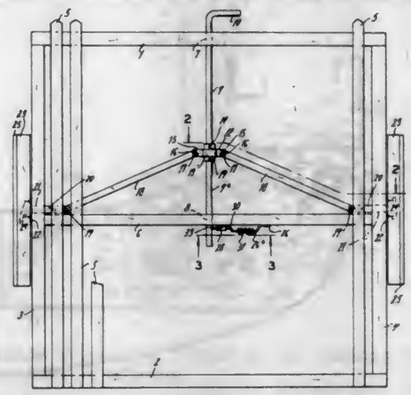
2,559,065
HYDRAULIC CONTROL CIRCUIT FOR ALLOWING INDEPENDENT OR JOINT CONTROL OF A PLURALITY OF SERVOMOTORS
Albert Dewandre, Brussels, Belgium, assignor to Servo-Frein Dewandre Société Anonyme, Liege, Belgium
Application June 12, 1948, Serial No. 32,692
In Belgium October 20, 1947
7 Claims. (Cl. 60—51)



3. In combination in a hydraulic circuit including a fluid pressure pump and a fluid reservoir therefor, a first conduit connecting the pressure side of said pump to said reservoir, a valve member interposed in said conduit and normally occupying an ineffective position so as to allow the passage of fluid therethrough, a cylinder, a second conduit connecting said cylinder to said first conduit between said pump and said valve member, an automatic check-valve arranged in said second conduit and operable in response to a predetermined pressure in said first conduit to effect fluid communication between said first and said second conduit, a spring-loaded piston arranged in said cylinder for co-operation with said valve member, said piston being fluid operable to move against the thrust of the spring acting on said piston, thereby loading said spring, a hydraulic pressure responsive device hydraulically connected with said second conduit, a distributor for actuating the same, spring means arranged between said lever and said valve member to allow lost motion therebetween, said lever being operable to move said valve member into position for interrupting the passage of fluid therethrough, thereby causing fluid pressure to build up at the pressure side of said pump and causing said piston to move said valve member into its ineffective position in response to said predetermined pressure in said first conduit, a by-pass connecting said pump to said reservoir, and a pressure relief valve in said by-pass for automatically releasing excess pressure from said first conduit in excess of said predetermined pressure.

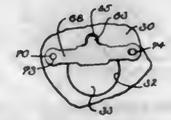
2,559,066
ADJUSTABLE GATE
William A. Diefenbronn, St. Louis, Mo.
Application October 12, 1949, Serial No. 120,971
2 Claims. (Cl. 20—71)

1. An adjustable gate comprising a frame having top, bottom, and side members and pickets secured to said top and bottom members, contact members at the sides of said gate, a transverse member extending across said gate and secured to said side members, said top and transverse members being provided with apertures, a vertical rod slidably and rotatably mounted in said apertures, said side members having apertures and elongated members mounted slidably therein, an element mounted on said vertical rod and having oppositely disposed extensions, connecting strips pivotally secured within said extensions and pivotally secured to said elongated members and adapted to transmit motion from said vertical rod to said contact members; and locking mechanism comprising ratchet teeth on a portion of the surface of the lower end of said vertical rod and a spring-controlled element secured to said transverse member for association with said ratchet teeth, said spring-controlled element having a free end beveled to conform to the inclination of said ratchet teeth so as to



prevent upward movement of said vertical rod and to permit downward movement thereof, and said ratchet teeth and said beveled end being capable of disengagement upon rotation of said vertical rod to permit vertical movement of said rod in either direction.

2,559,067
COMPRESSOR
Ralph W. Doeg, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application February 28, 1946, Serial No. 650,851
5 Claims. (Cl. 230—172)

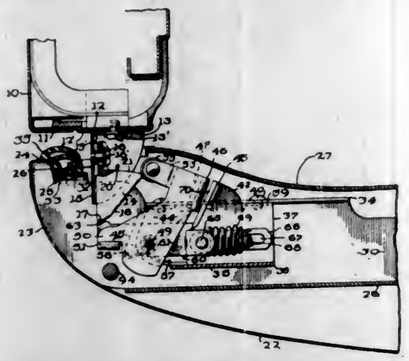


1. In a compressor, means forming a compression chamber, a pair of ports communicating with said chamber, an elongated laterally flexible valve controlling said pair of ports, said valve longitudinally spanning and overlying said ports having end portions extending respectively therebeyond, means attaching said valve at one of its end portions to said first means holding the valve against displacement in the plane of said ports, and guide means on said other end portion and on said first means loosely attaching the other of said end portions to said first means and at the same time limiting lateral flexing movement of said valve.

2,559,068
REFRIGERATOR DOOR LATCH MECHANISM
Ralph W. Doeg, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application June 14, 1947, Serial No. 754,615
4 Claims. (Cl. 292—332)

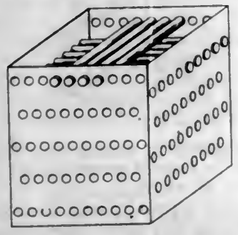
1. In a door latch mechanism having a keeper, a support, a movable latch member supported by said support and movable into and out of latch-

ing relationship with the keeper, a spring operable to move said latch member toward latched position, a movable latch actuator member supported on said support separate from said latch member, said actuator member having active and inactive positions and being operable in active position to hold said latch member in latched



position, said latch member being movable toward said latch actuator member to establish contact therewith prior to movement of said actuator member toward active position, and a trip member on and operable to release said actuator member and adapted to engage and be actuated by the keeper upon closing the door.

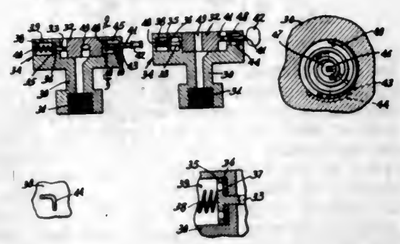
2,559,069
CHOKE FOR ABRASIVE FLUIDS
Frederick E. England, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application July 30, 1949, Serial No. 107,714
2 Claims. (Cl. 138—42)



1. A choke for abrasive fluids comprising a rectangular case provided with an inlet at one end for entering gases and an outlet at the other end for leaving gases, perforated header plates on the four sides, the perforations in said plates being in alignment on opposing sides and baffle rods passing between opposing header plates forming a tortuous path therebetween for the passage of said abrasive fluids through said choke.

2. A choke for abrasive fluids which comprises a rectangular chamber having opposed side walls and end walls, respectively, which chamber is open at its bottom to receive a fluid containing abrasive solids and open at its top for discharging said fluid and contained solids, the opposed side walls of the chamber being header plates with a plurality of staggered rows of closely spaced aligned openings in each header, rods removably inserted in said aligned openings, each rod being longer than the distance between the header plate so that at least one end of each rod protrudes outwardly from a header plate to facilitate removal and replacement of said rod, and closure members for enclosing the protruding ends of the rods.

2,559,070
DISPENSING CLOSURE FOR COLLAPSIBLE CONTAINERS WITH DELAYED-ACTION, SELF-CLOSING VALVE
Louis Goldberg, Glen Cove, N. Y.
Application October 21, 1948, Serial No. 55,789
1 Claim. (Cl. 222—92)



In combination with a collapsible container having a discharge neck, a valve body on said discharge neck and having a discharge orifice, a valve head mounted in said valve body for controlling said orifice, a stem for controlling said valve head, resilient means urging said valve head into its closed position, and means for delaying operation of said resilient means for a short period of time, comprising a dashpot for holding the valve in its open position, a pin connected with said valve, said valve body having a groove in which said pin works for controlling the operation of said resilient means in conjunction with the position of the valve head as controlled by said dashpot.

2,559,071
MONOFUEL
John A. Hannum, Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 5, 1948, Serial No. 19,171
4 Claims. (Cl. 52—5)

1. A propellant comprising a mixture of approximately eighty to ninety percent by weight of tetranitromethane as an oxidizing agent, less than one percent by weight but more than a trace of material from the group consisting of triphenyl bismuthine, tetraphenyl tin, and tetraethyl lead as an inhibitor to control the rate of combustion, and the balance an unsaturated organic liquid fuel of the series with the general formula C_nH_{2n-6}.

2,559,072
DRAPERY SUPPORT
Claude F. Hasselwander, Rochester, N. Y., assignor to Taylor-Shantz, Inc., Rochester, N. Y., a corporation of New York
Application November 13, 1948, Serial No. 59,886
3 Claims. (Cl. 160—341)

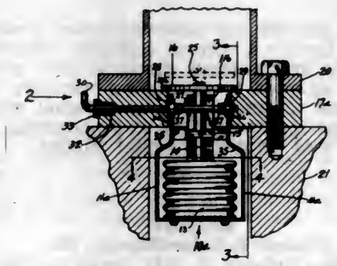
1. A support for curtains, draperies, and the like comprising a trackway, a plurality of spacer plates, rollers secured to the backs of the spacer-

plates to support the spacer-plates movably on the trackway in front of the trackway, forming members connecting adjacent spacer-plates, each of said forming members comprising a pair of spring straps, each of which is pivotally connected at one end to one end of a spacer-plate



and which are pivotally connected at their opposite ends to one another, said straps being shaped to be bowed outwardly away from one another when adjacent spacer plates are moved toward one another, and means for moving the spacer plates toward or from one another.

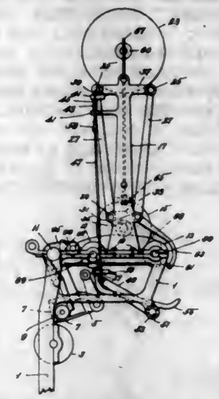
2,559,073
THERMOSTAT FOR WATER CIRCULATING SYSTEMS
Ralph B. Head, Denver, Colo.
Application October 15, 1949, Serial No. 121,506
9 Claims. (Cl. 236—93)



1. A coolant flow control device comprising, a U-shaped frame having a heat responsive expansible bellows disposed between the legs of the frame and secured to the bight thereof, a plate having an aperture therein receiving and guiding the free ends of the legs for movement in a direction axially of the aperture and axially of the direction of expansion of the bellows, the side of the plate opposite from the bellows forming a valve seat, a valve stem attached to the free end of the bellows for movement axially of the aperture, a valve attached to the end of the valve stem on the side of the plate opposite from the bellows, a shaft journaled in the plate, having one end accessible from the outside, a portion of the shaft intersecting the aperture, and cooperating means on the shaft and on the frame for moving the latter axially when the shaft is turned.

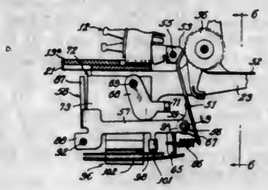
2,559,074
LAP CHANGER FOR COMBING MACHINES
Odus C. Hinson, Cramerton, N. C., assignor, by mesne assignments, to The Terrell Machine Company, Charlotte, N. C., a corporation of North Carolina
Application May 17, 1945, Serial No. 594,304
31 Claims. (Cl. 19—115)

1. In a textile machine operating upon fiber supplied thereto in rolled lap form, in combination, rotatable supporting means supporting a working lap roll in feeding position, means holding a fresh lap roll above the working lap roll, and means automatically putting the fresh lap roll in place with its periphery resting upon the



rotatable supporting means as the working roll approaches exhaustion.

2,559,075
ROTARY STEP SWITCH
Albert F. Horlacher, Palatine, Ill., assignor to C. P. Clare & Company, Chicago, Ill., a corporation of Illinois
Original application October 13, 1945, Serial No. 622,164. Divided and this application April 11, 1949, Serial No. 86,643
4 Claims. (Cl. 74—142)

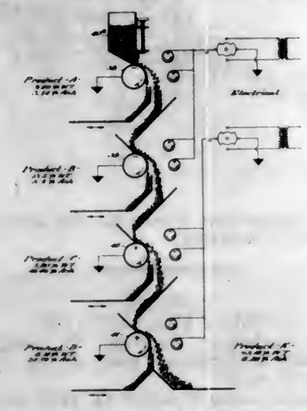


1. In a driving mechanism for a rotary step switch, a ratchet wheel, a frame mounting said wheel for rotation, a pawl operably engaging the wheel, an armature having an arm to which said pawl is pivoted, an electromagnet having a spring thereon operatively connected to said arm for urging it in one direction and having a pole face to attract the armature in opposition to the spring, means pivotally mounting the armature with respect to the electromagnet and pivotally mounting the electromagnet to the frame on a common axis remote from the ratchet wheel, whereby the electromagnet and the armature may be turned together on said axis to control the position of the pawl with respect to the ratchet wheel, and means to secure the electromagnet to the frame in adjusted position.

2,559,076
METHOD OF CLEANING COAL
Herbert B. Johnson, Rochester, N. Y., assignor, by mesne assignments, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Application October 11, 1945, Serial No. 621,725
2 Claims. (Cl. 209—127)

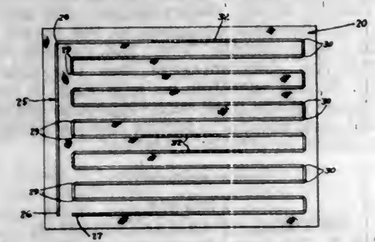
1. The method of cleaning bituminous coal material comprising a mixture of particles of bitu-

minous coal and ash minerals, which comprises the steps of delivering said mixture to a rotary conveying electrode forming one of a pair of spaced electrodes, discharging said mixture through the field between said pair of electrodes, maintaining said electrodes at a relatively high difference of unidirectional, electrical potential, to centrifugally repel the coarser particles of coal and ash and separate said mixture into portions respectively richer in coal and ash minerals than the initial mixture, delivering at least one of said separated mixture portions to a rotary conveying electrode forming one of another pair of spaced



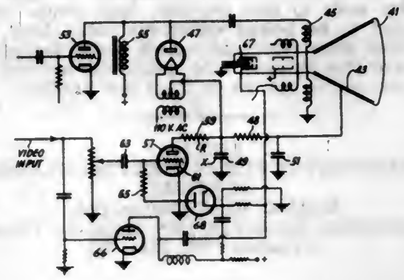
electrodes, discharging said mixture portion through the field between said other pair of electrodes, maintaining said other pair of electrodes at a relatively high difference of undirectional, electrical potential with their polarities opposite to those of the first mentioned pair of electrodes, to centrifugally repel the coarser particles of coal and ash and separate said mixture portion into further portions respectively richer in coal and ash minerals than the first mentioned separated mixture portion, and combining said separated portions richer in coal to form a coal product of relatively low ash content.

2,559,077
RESISTANCE ELEMENT AND METHOD OF PREPARING SAME
Robert C. Johnson, Minneapolis, and Carl G. Westerberg, Edina, Minn.; Howard W. Johnson executor of said Robert C. Johnson, deceased
Application July 1, 1946, Serial No. 680,832
4 Claims. (Cl. 201—46)



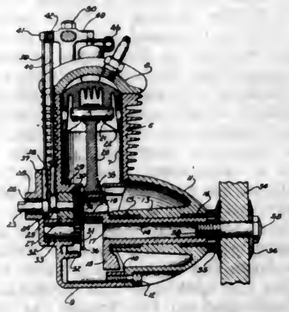
1. The process of preparing an electrical heating element which comprises mixing acetylene carbon black, an uncured polysilicone resin and a solvent for said resinous material and milling said mixture until a homogeneous viscous electrically conductive and electrically resistant paste is obtained; coating a flexible non-conductive fabric with said viscous paste; heating said coated fabric at about 100° C. until said conductive coating becomes tacky; cooling said coated fabric and thereafter heating said coated fabric to about 250° C. to cure said resinous material.

2,559,078
TELEVISION SYSTEM
Ray D. Kell, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 10, 1946, Serial No. 689,655
9 Claims. (Cl. 315—31)



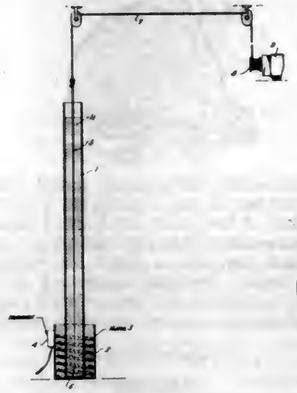
1. In a cathode ray tube apparatus, a cathode ray tube having a control electrode adapted to receive an image detail signal voltage and an electrode adapted to receive an operating voltage, means for integrating said signal voltage, and means for controlling said operating voltage with said integrated signal voltage.

2,559,079
ENGINE
Casimir E. Leja, Chicago, Ill.
Application October 15, 1947, Serial No. 780,049
4 Claims. (Cl. 123—84)



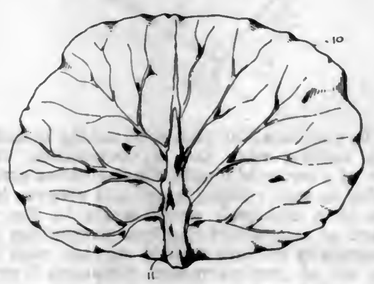
1. In an internal combustion engine, the combination of a cylinder, a crankcase, a crankcase housing extending outwardly from the crankcase and forming an extension therefor and having a bearing extending into the crankcase, a crankshaft mounted in said bearing, a piston in said cylinder, a piston rod connecting the piston with the crank, said crankshaft having its crank pin extending a short distance only through the piston rod and having a transverse slot therein, a stub shaft mounted in the crankcase in alignment with the crankshaft, a pinion on the stub shaft adjacent to the crank pin, an arm extending radially from the stub shaft and engaging with the slot in the crank pin, a camshaft mounted adjacent to the stub shaft and a gear on the camshaft engaging with the pinion on the stub shaft, the arrangement being such that the stub shaft and pinion may remain in the crankcase when the crankshaft is removed and the timing will be maintained when the crankshaft is inserted with the slot in the crank pin engaging with said arm.

2,559,080
FISHING LEADER
John L. MacAllister, Pasadena, Calif.
Application April 10, 1948, Serial No. 20,299
4 Claims. (Cl. 41—41)



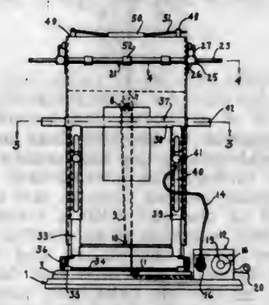
1. The method of tapering a level linear polyamide filament comprising immersing said filament in an etching acid and varying the amount of etch by varying the immersion time along the length of said filament to taper said filament.

2,559,081
METHOD FOR PREPARING AND CANNING CABBAGES
Mary Marinkovich, Barberton, Ohio
Application June 19, 1948, Serial No. 34,015
2 Claims. (Cl. 99—186)



1. A method for preparing cabbage which comprises scalding the cabbage until the leaves thereof are softened, separating the leaves and soaking the same in brine maintained at substantially uniformly warm temperature for several days until the leaves are substantially tender but solid, removing the thickened stock portions of the leaves to render the same more readily foldable, folding the individual leaves upon themselves until they are compact enough to be readily received in a preserving can, packing said folded leaves in preserving cans, adding the brine used for said soaking to the cans, and vacuum sealing said cans.

2,559,082
COPYHOLDER
Sam D. Mathews, Houston, Tex.
Application August 13, 1948, Serial No. 44,117
1 Claim. (Cl. 120—29)



In a typewriter copyholder for use with and operable by a typewriter carriage to expose lines of the copywork held thereby, the combination of, a base, a copyholder plate upstanding therefrom, a support frame on said base for said plate, a vertically adjustable transverse sleeve on said plate to hold the copywork, a pivoted spring pressed mounting on said plate for said sleeve to press the work being copied on said plate, a telescopic adjustment for the length of said sleeve, a transverse rod to indicate the line of the copy desired, a telescopic adjustment for the length of said rod, a holder for said rod on said base, a telescopic adjustment means for said rod vertically of said holder, means including a flexible connection means from said plate to said base, a pulley adjacent the top of said support frame so that movement of said flexible connection moves said plate, means operable by the typewriter to move said connection and thus said plate, and manual means also on said base to move said flexible means to adjust the position of said plate and copywork relative to said rod.

2,559,083
DECOLORIZATION OF POLYOLEFINIC HYDROCARBON DRYING OILS
Paul D. May, Galveston, and Leon M. Adams and Robert J. Lee, La Marque, Tex., assignors to Pan American Refining Corporation, Texas City, Tex., a corporation of Delaware
No Drawing. Application May 28, 1948, Serial No. 29,934
4 Claims. (Cl. 260—677)

1. The method of improving the color of a dark colored hydrocarbon drying oil consisting essentially of polyolefins containing ring structure, rendered dark colored because of the presence of selectively hydrogenatable chromophoric components, and characterized by an average molecular weight in the range of 200 to 350, an iodine number in the range of about 185 to 550, and a maleic anhydride value in the range of about 20 to 450, which method comprises contacting said oil with hydrogen in the presence of a solid hydrogenation catalyst under mild hydrogenation conditions, and employing a time of contact sufficient to effect hydrogenation of at least a substantial portion of the chromophoric components but insufficient to effect a decrease in the iodine number of said hydrocarbon drying oil by as much as 20 per cent.

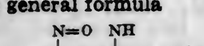
2,559,084
ILLUMINATED FISHING FLOAT
Hugh B. McGlade, Columbus, Ohio
Application February 17, 1947, Serial No. 729,063
1 Claim. (Cl. 43—17.5)



In combination; a buoyant float body formed with an axial bore; a dry cell battery extending completely through the bore of said float body and frictionally carried therein, said battery being formed at one end with a screw-threaded socket for the reception of an electric light bulb, said battery being unsheathed and exposed at either end to water in which said float body is positioned; an electric light bulb carried within the socket of said battery and illuminated by current therefrom; and a fishing line extending through the bore of said float body and wedged therein by said battery.

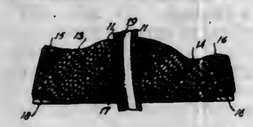
2,559,085
PREPARATION OF N-SUBSTITUTED-N'-NITROGUANIDINES
Arthur Ferguson McKay, Kingston, Ontario, Canada, assignor to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of the Dominion of Canada
No Drawing. Application October 22, 1948, Serial No. 56,053
6 Claims. (Cl. 260—565)

1. The process which comprises reacting a compound of the general formula



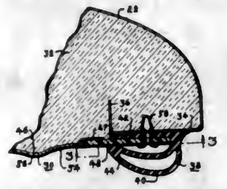
wherein Y is lower alkyl with a primary amine of the group consisting of lower alkyl, phenyl-lower alkyl, cycloalkyl, and monocyclic-carbocyclic-aromatic primary amines.

2,559,086
DEVICE FOR ADMINISTERING ENEMATA
George E. McLaren, Denver, Colo.
Application May 9, 1949, Serial No. 92,227
4 Claims. (Cl. 128—245)



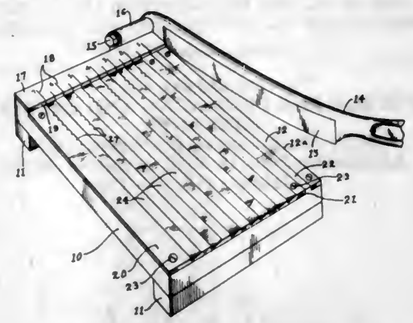
4. A device for assisting in administering enemata, comprising; an elongated seal block having an oblong mound-like portion of a shape to conform to the shape of the anus and a strip area of the anatomy thereabout, an upwardly extending portion at one end of the mound-like portion shaped to conform to the anatomy covering the coccyx, an aperture extending through the seal block transversely to the longitudinal axis thereof having a portion in alignment with the anal opening, and a flexible hose of a size adapted to be threaded through the opening to a desired distance beyond the anal opening and into the rectum, the outer wall of the hose being in fluid sealing engagement with the wall of the aperture.

2,559,087
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application October 24, 1947, Serial No. 781,957
7 Claims. (Cl. 20—35)



1. A composite refrigerator panel comprising, a panel member of sheet material, a panel extension member of low heat conductive material extending outwardly of the periphery of said panel member and forming a joint therewith, and a sheet of plastic material cemented flat against and to corresponding surfaces of said panel member and of said extension member overlying said joint.

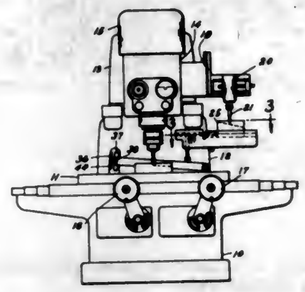
2,559,088
TRIMMING BOARD
Earle C. Pierce, Middlebury, Conn.
Application October 30, 1947, Serial No. 783,137
6 Claims. (Cl. 164—59)



1. In combination with a trimming board having a cutting edge and a cooperating cutting blade, of a series of longitudinal grooves arranged parallel to said cutting edge, said grooves having bases of a relatively small angle to the upper surface of said board and complementary ridges substantially normal to said surface, said ridges being set at predetermined distances from said cutting edge and serving as a stop for material to be cut on said trimming board.

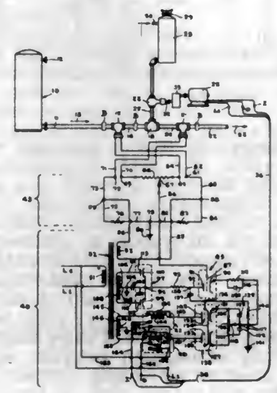
2,559,089
PATTERN CONTROLLED MACHINE TOOL
Alfred G. Plimmer, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application September 11, 1947, Serial No. 773,433
3 Claims. (Cl. 90—13.5)

1. A pattern position controlling mechanism for application to a tracer controlled machine tool of the type having a bed member, a work carrier table translatable on the bed member, and a tool carrier translatable transversely as respects the direction of movement of the work carrier, said device including a supporting bracket for attachment to the bed of the machine tool, said bracket being formed with a slideway, a pattern support mounted in said slideway for movement relative to the bracket, a rack and pinion mechanism carried by the bracket and coupled with



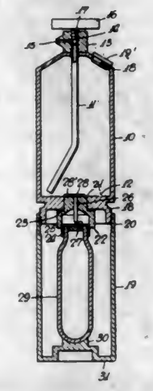
the pattern support for determining the movement thereof, said rack and pinion mechanism including a follower element, a cam member mountable on the table in underlying relation to the follower portion of the rack and pinion mechanism for translation with the table, whereby said cam member will react through the follower and rack and pinion mechanism on the pattern support to determine positionings thereof in accordance with the movement imparted to the table.

2,559,090
ELECTROCHEMICAL PROPORTIONING APPARATUS
Ray M. Potter, Minneapolis, Minn.
Application September 21, 1945, Serial No. 617,736
7 Claims. (Cl. 210—28)



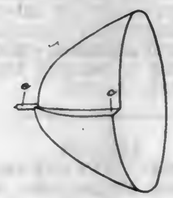
1. A fluid regulator comprising first and second channels connected to a junction for admixture of the fluid flows thereof and a mixed flow channel from the junction for carrying away the mixed fluids therefrom, two pairs of electrically conductive terminals immersed in the fluid of the first channel, two pairs of electrically conductive terminals immersed in the fluid of the mixed fluid channel, an electrical bridge circuit having the electrically conductive terminals that are immersed in the first channel connected in two legs of the bridge and the electrically conductive terminals that are immersed in the mixed fluid channel connected in the two other legs of the bridge circuit; a discriminator electron tube which is connected to the bridge circuit, a relay operated reversing circuit connected to the discriminator tube and a valve in the second channel operated by a reversible motor connected to said reversing circuit.

2,559,091
METHOD AND SOLUTION FOR PRODUCING INSECTICIDAL AEROSOLS
Julian R. Reasenberg, Brooklyn, N. Y., assignor to Mizzy, Inc., a corporation of New York
Application December 1, 1945, Serial No. 632,175
4 Claims. (Cl. 167—39)



2. A liquid solution of a parasiticide in trichlor monofluor methane and carbon dioxide under pressure.

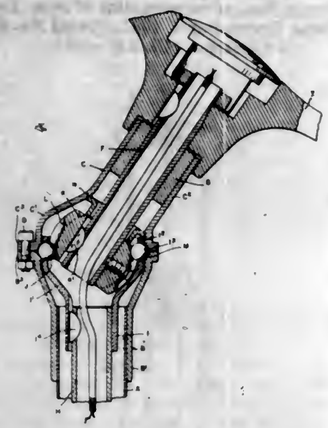
2,559,092
DIRECTIONAL AERIAL
René Reulos, Chambery, France
Application August 7, 1947, Serial No. 767,097
In France February 29, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires February 29, 1960
5 Claims. (Cl. 250—33.65)



1. A directional aerial system which comprises, in combination, a rectilinear oscillator of small length and a wave reflector surrounding said oscillator and the inner surface of which is constituted by a plurality of adjacent paraboloidal sectors each of revolution and limited by axial planes, the respective axes of revolution of which sectors coincide all with the line along which said oscillator is located and the middle planes of which make equal angles with one another, all the axial parabolic sections of this reflector sur-

face having the same focus, located on said rectilinear oscillator, the parameter of the axial parabolic section of each sector being equal to the sum of that of the preceding sector and of a fixed length such that the difference between the parameter of the last paraboloidal sector and that of the first one is equal to one half of the wavelength of oscillation of the rectilinear oscillator.

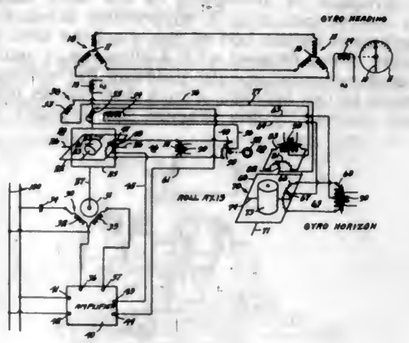
2,559,093
TORQUE TRANSMITTING ANGLE COUPLING
Alfred H. Rzeppa, Grosse Pointe, Mich.
Application May 9, 1949, Serial No. 92,120
3 Claims. (Cl. 74—380)



1. The combination with driving and driven rotary members having intersecting axes at a fixed oblique angle to each other, of a constant velocity torque transmitting coupling between said members, comprising a hollow member mounted on one of said driving and driven members having an annular portion provided with a series of equispaced radial cylindrical sockets extending through the wall thereof with their axes in a constant plane perpendicular to the axis of said hollow member and passing through the point of intersection of the two axes, a ball located in each socket to project radially inward and outward therefrom, a member mounted on the other of said driving and driven members extending into said hollow member and having toothed portions respectively intermeshing with said balls on diametrically opposite sides of said driven member, and a housing enclosing said universal joint having a raceway for said balls in the plane of rotation thereof.

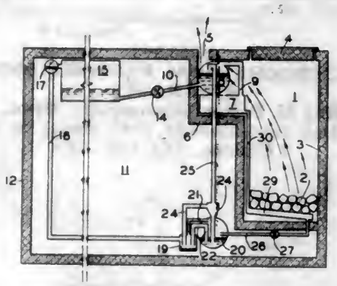
2,559,094
GYRO ERECTION APPARATUS
Oscar Hugo Schuck, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 23, 1948, Serial No. 22,757
21 Claims. (Cl. 74—5.34)

1. An arrangement for maintaining a rotor of a directional gyroscope in a predetermined position comprising: a vertical gyroscope; a first means responsive to the tilt of the vertical gyroscope about an axis; a second means adapted to respond to movement of the directional gyroscope about its azimuth axis; a third means controlled by the change of position of the directional gyroscope rotor about a second axis; and motor means controlled by said first, second and



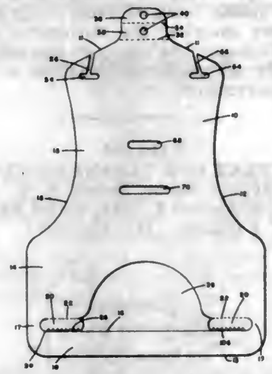
third means for moving said gyroscope rotor about said second axis.

2,559,095
REFRIGERATION SYSTEM
Frederick K. Storm, Jr., Los Angeles, and Eldridge H. Smiley, Hermosa Beach, Calif., assignors to C. Van King, West Los Angeles, Calif.
Application February 24, 1947, Serial No. 730,264
3 Claims. (Cl. 62—91.5)



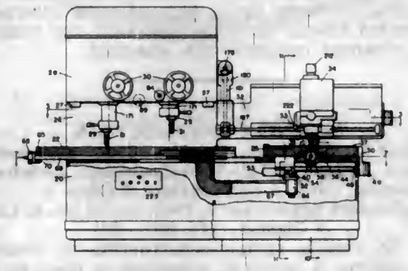
1. A refrigerating system operated solely by the negative heat of a mass of material capable of maintaining itself for a period at a predetermined low temperature comprising a storage tank for a volatile refrigerant condensible at said temperature, an evaporator connected to receive liquid refrigerant from said storage tank by gravity, a check valve in said connection, a first vapor line connected to the top of said evaporator, a small valve tank, a large valve tank positioned higher than said small valve tank, a pressure equalizing connection between said valve tanks, said pressure equalizing connection being connected to said vapor line, a liquid siphon connection between said valve tanks, a second vapor line terminating adjacent the bottoms of both of said valve tanks connected together and to the top of said storage tank to form an intermittent siphon cycling valve delivering liquid in said valve tanks to said storage tank by gas pressure, a condenser receiving vapor from said storage tank, a line delivering condensate to said larger valve tank by gravity, and a check valve in said line, said condenser being cooled by said mass.

2,559,096
GARMENT SUPPORT
Harry A. Tomarin, Cincinnati, Ohio, assignor to Loroco Industries Incorporated, Reading, Ohio, a corporation of Ohio
Application September 25, 1946, Serial No. 699,321
4 Claims. (Cl. 223—85)



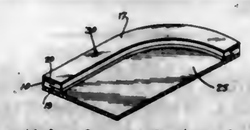
2. An auxiliary support for attachment to a standard garment hanger for supporting in folded condition items of unusual length suspended from said hanger, which support comprises a body portion of sheet material having a width which approximates the width of a standard garment hanger and a length which is a multiple of the overall height of said hanger, a supporting element provided in said body extending transversely thereof, an elongated member spanning said supporting element for providing a reinforced load bearing edge, and tab portions on said body remote from said edge said portions being provided with apertures therein dimensioned to receive the shank portion of a standard hanger for suspending said support therefrom.

2,559,097
REPRODUCING MACHINE
Dallas R. Trinkle, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application March 22, 1950, Serial No. 151,194
16 Claims. (Cl. 90—13.5)



13. A reproducing machine including a control slide and a controlled slide, tracer controlled means for determining the direction and extent of movement of the control slide, an independent power actuator for the controlled slide, a rate and direction determinator for the movement of the controlled slide, and means carried by the control slide for operating said determinator.

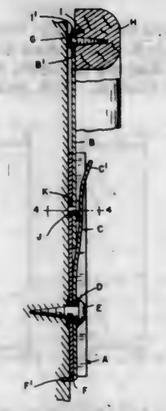
2,559,098
FROST SHIELD AND METHOD OF MAKING SAME
Carl F. Walz, Minneapolis, Minn., assignor to Durkee-Atwood Company, Minneapolis, Minn., a corporation of Minnesota
Application November 20, 1948, Serial No. 61,185
9 Claims. (Cl. 154—116)



1. As an article of manufacture having a member of substantially planar configuration and a periphery which is curved at least at certain portions thereof, said member having a strip of material adhesively bonded thereto around at least some portions of curved segments of said periphery, said strip having an adhesive facing for attaching the strip and hence the member to another surface, said adhesive facing having a smoothly ironed, strain-free, removable plastic facing thereon for protecting the adhesive until used, said facing being continuous at least throughout said curved portions and an adjacent straight portion.

4. The method which comprises applying an adhesive coating on opposite faces of a flexible base strip, covering said adhesive coatings with removable protective strips at least one of which is a heat workable strip of plastic sheeting, removing one of said protective strips so as to expose the adhesive coating underneath but leaving the other adhesive coating covered by said plastic strip, applying said flexible strip with the exposed adhesive coating in bonding relation to a curved edge of a generally planar device to which the strip is desired to be attached, said strip being transversely bent edgewise along said curve and then smoothing the consequently buckled edgewise bent protective strip by ironing it at an elevated temperature until the protective strip is flattened into engagement with the adhesive surface which it covers.

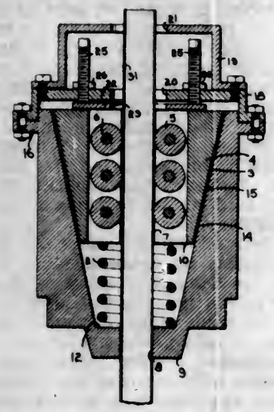
2,559,099
WALL HANGER
Halstead W. West, Detroit, Mich.
Application March 24, 1948, Serial No. 16,641
5 Claims. (Cl. 248—29)



1. A wall hanger, comprising a channel member for permanent attachment to the wall with

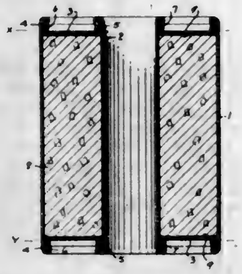
the channel thereof extending vertically, a resilient strip within said channel having its lower portion secured thereto and provided at its lower end with a prong for insertion in the wall to hold said member from angular movement thereon, and a member for supporting the article to be hung detachably engaging the channel of said channel member between the latter and said resilient strip.

2,559,100
ADJUSTABLE KELLEY DRIVE BUSHING
Will L. White, Houston, Tex.
Application August 5, 1948, Serial No. 42,655
2 Claims. (Cl. 255—23)



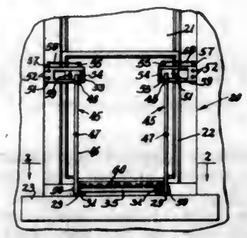
1. A rotary table drive bushing comprising a body, a non-circular tapered opening therein, four non-circular tapered cages, one in each corner of said opening, two tapered back support faces on each cage to slide in a corner of said opening, a vertical recess in the front corner of each cage, transverse shafts across said cage and spanning said recess, a cylindrical roller on each shaft and having its cylindrical periphery projecting from the front recessed corner of said cage to provide a rolling contact for the Kelley drive stem to roll thereon as the Kelley is raised and lowered, the cage rollers being spaced to receive and drive the Kelley as said body is rotated with the rotary table.

2,559,101
FROZEN FOOD PACKAGE
Frank A. Wool, San Jose, Calif.
Application August 13, 1945, Serial No. 610,519
6 Claims. (Cl. 99—171)



1. A frozen food package comprising a tubular open-ended body of frozen food, a tubular outer member surrounding said body and against which the outer surface of said body is supported, a tubular open-ended inner member concentric with said body and outer member extending centrally through said body and supporting the same thereon, coaxial centrally apertured heads at opposite ends of said body extending between the corresponding end edges of said outer and inner members and respectively secured to said members, one of said heads being slidably supported within said outer member for movement axially of the latter through the same to the opposite end of said body when the other head at said opposite end is removed.

2,559,102
SAFETY SEAT FOR CLEANING WINDOWS
Arnold Zukor, Bronx, N. Y.
Application August 4, 1948, Serial No. 42,365
8 Claims. (Cl. 304—24)

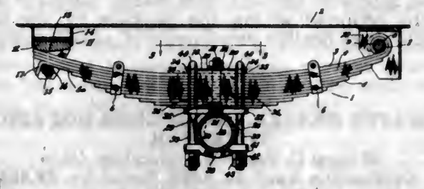


1. A safety seat for use in combination with a window frame, comprising a pair of spaced brackets attached to the bottom portion of the window frame, a pair of channel members pivotally attached at one of their ends to said brackets to extend outwards from said window frame, a bar pivotally attached to each of said channel members for extension between the channel members, inclined supports extending from the window frame and attached to the free ends of said channel members, a seat rested on the top faces of said channel members between said inclined supports, each of said brackets comprising a top portion attached to the top face of the bottom portion of the window frame, a depending portion continuing from said top portion for attachment to the vertical face of the bottom portion of the window frame, and a horizontal portion continuing from the bottom end of said depending portion and upon the top face of which the respective channel member rests, said depending portions being formed with internally threaded bosses to which the said one ends of said channel members are attached.

2,559,103
SPRING CONSTRUCTION
Wilbur C. Anderson, Canton, Ohio, assignor to The Union Metal Manufacturing Company, Canton, Ohio, a corporation of Ohio
Application September 7, 1945, Serial No. 614,836
4 Claims. (Cl. 267—44)

1. In vehicle spring construction in which a leaf spring is pivotally mounted at least at one end to a vehicle chassis, a leaf spring including a plurality of superimposed spring leaves, a saddle including a base and legs extending from the base straddling the spring leaves, there being recesses formed in the ends of said legs, the saddle legs having side edges perpendicular to the saddle base, the saddle base having curved ends projecting beyond the side edges of the saddle legs, an axle, a spring seat secured to the

axle between the spring leaves and axle, bosses projecting from said seat interengaging with the saddle leg recesses, the spring leaves and saddle base being formed with aligned similar apertures, a center bolt extending through and tightly fitting within said aligned apertures tightly clamping the spring leaves and saddle together against relative movement, U-bolts engaged over said curved saddle base ends and engaged against said saddle leg side edges clamping the spring leaves, saddle, spring seat and axle together, and spring washer means maintaining said center bolt and U-bolts tensioned at all times.



2,559,104
FLOTATION RECOVERY OF MOLYBDENITE
Nathaniel Arbiter and Orel E. Young, Morenci, Ariz., assignors to Phelps Dodge Corporation, New York, N. Y., a corporation of New York
No Drawing. Application March 23, 1948, Serial No. 16,635
6 Claims. (Cl. 209—166)

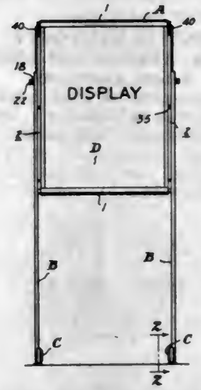
1. A process of recovering molybdenite from a flotation concentrate containing molybdenite and sulfides of other metals which comprises conditioning such concentrate in aqueous suspension by contact in unheated condition with a solution of a substance which under the conditions of treatment is an oxidizing agent for the collector in the concentrate, and subjecting the suspension of the concentrate thus conditioned to flotation for the recovery of molybdenite.

2,559,105
AUTOMOBILE SPRING AND THE LIKE
Thomas A. Banning, Jr., Chicago, Ill.
Application September 22, 1945, Serial No. 617,967
9 Claims. (Cl. 267—47)



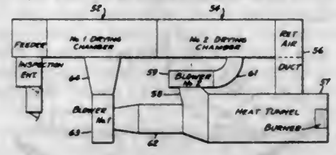
1. An automobile leaf spring comprising a series of spring leaves of progressively shorter lengths stacked in vertical alignment, the free ends of each succeeding lower leaf terminating short of the free ends of the next higher leaf, means to secure the central portions of the leaves in rigid connection with respect to each other, connections for attachment of a load to the free ends of the upper and longest leaf for imposition of a load tending to depress said free ends against the free ends of the adjacent lower leaf, spacers between the free end portions of the leaves establishing interlayer spaces between the leaves and for transmission of loading forces from leaf to leaf at the free ends of the successively lower leaves, together with bodies of high resistance non-resilient plastic material located in said interlayer spaces and extending between the proximate surfaces of the adjoining spring leaves, and strongly adhered to said proximate surfaces, whereby deflections of the leaves of said spring due to changes of loading produce distortions of contour of said bodies of high resistance non-resilient plastic material with production of accompanying internal stresses in said bodies, and with production of damping effects in said spring.

2,559,106
DISPLAY DEVICE
Robert B. Bishop, Arlington Heights, and Glenn A. Bishop, Wilmette, Ill., assignors to Bishop Publishing Company, Cook County, Ill., a corporation of Illinois
Application September 8, 1948, Serial No. 48,223
13 Claims. (Cl. 40—125)



1. A device comprising an elongated member of substantially uniform section for use in a panel supporting frame of a display device, said member having a pair of spaced parallel grooves formed in one face thereof, a rib on said member located between and parallel to the grooves for separating the edges of display panels mounted in the frame and against the rib, strips removably received in the grooves for overlying the marginal edges of mounted panels and retaining the latter in the frame, and adjustable screw means carried by the member for clamping the retaining strips in the grooves.

2,559,107
DRYING HOPS
Verlin A. Bloxham, Berkeley, Calif.
Application May 19, 1950, Serial No. 162,911
13 Claims. (Cl. 34—10)

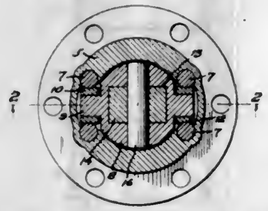


1. A process for continuously drying green hops comprising first passing a first stream of hot dry air having a relative humidity between 1% and 8% and at a temperature of 160° F. to 200° F. upwardly through the hops at a velocity of about 150–500 feet per minute until the free moisture content of the hops, as herein defined, is reduced by about 30% to 60%, the depth of the bed and the first air stream velocity each

being such that the air in the first stream requires from 0.05 second to 1.0 second to traverse the bed, and then passing a second stream of hot dry air having a relative humidity of between 1% and 8% and a temperature in the range of 120° F. to 160° F. upwardly through the hops at a velocity of about 150–500 feet per minute until the free moisture content of the hops, as herein defined, is between 7% and 11%, the depth of the bed and the second air stream velocity each being such that the air in the second stream requires from 0.05 to 1.0 second to traverse the bed.

2. A process as in claim 1 wherein the first air stream is passed through the bed for about thirty minutes and the temperature of the second air stream is about 30° F. less than that of the first air stream.

2,559,108
UNIVERSAL JOINT
Adolf Boge, Sr., Altgluck, and Adolf Boge, Jr., Eitorf, Germany
Application September 23, 1949, Serial No. 117,431
In Germany October 1, 1948
2 Claims. (Cl. 64—8)



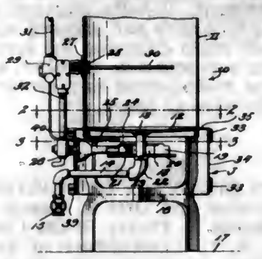
1. In a universal joint, the combination of a Cardan stub, a centre piece rockable on a first transverse axis on said stub, trunnions on said centre-piece set on a second transverse axis at right angles to said first transverse axis, slide-blocks rockably journalled one on each of said trunnions, a housing, and four longitudinal cylindrical guide rods set in two pairs in said housing, said slide-blocks each having guide grooves of circular profiles whereby they slidably engage the respective pairs of guide rods.

2,559,109
LAMINATED SHEET MATERIAL FOR PACKAGING MOISTURE-CONTAINING FOODS
John H. Bonini, Appleton, Wis., assignor to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin
Application March 15, 1946, Serial No. 654,594
5 Claims. (Cl. 154—50)



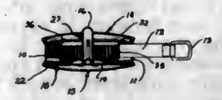
5. Laminated sheet material for making a package of a moisture-containing article comprising in adhered relation a greaseproof sheet, said greaseproof sheet being adhered by a starch adhesive to a relatively thick multi-ply creped paper wadding layer, and an outer sheet of greaseproof paper adhered to said wadding to be presented on the exterior of said package by a continuous flexible moistureproof adhesive layer, said creped paper wadding layer being adapted to absorb moisture given off by the article packaged that migrates through said starch adhesive and being retained within the package by the said continuous flexible moistureproof adhesive layer.

2,559,110
WATER HEATER AND BURNER HOUSING THEREFOR
Maurel G. Burwell, Columbus, Ohio
Application April 22, 1949, Serial No. 88,990
2 Claims. (Cl. 122—14)



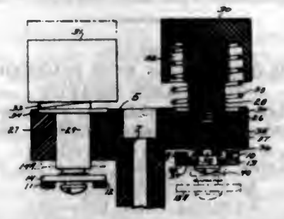
1. A package-type burner unit for application to a vertically arranged hot water tank having a bottom wall bounded by an outer vertically depending marginal flange, a drainage pipe extending downwardly from the bottom wall of the tank, and a standard supporting said tank in elevated relation to a floor surface, said unit comprising an annular jacket casing including a plurality of hingedly united semi-circular sections, said sections being joined to one another for relative swinging movement between an open position permitting application of said casing to the standard-supported tank and a closed position in encircling relation to the tank; clamp means detachably connected with the marginal flange of the tank for supporting said casing in a closed position in depending relation to the lower end of the tank, said casing defining with the bottom wall of the tank an open-bottom heating chamber; and a split ring fuel burner positioned within said heating chamber in encircling relation to the drainage pipe of the tank and disposed in vertically spaced relation to the bottom wall of the tank for directly heating the latter.

2,559,111
MEASURING TAPE AND THE LIKE
John B. Carroll, Oak Park, Ill.; John B. Carroll, Jr., and Jessie C. Carroll executors of said John B. Carroll, deceased
Application April 25, 1947, Serial No. 743,948
1 Claim. (Cl. 242—84.9)



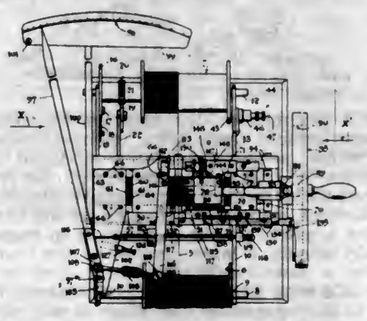
As a new article of manufacture, a measuring tape assembly of the spring retracted type, comprising in combination a hollow winding drum having a bottom head and a cylindrical tape winding flange in connection with said bottom head, a cylindrical housing within which said winding drum is located coaxially with said housing, said housing including an encircling cylindrical body element having an axially extending tape slot together with top and bottom head elements and means to secure the cylindrical body element and the head elements together, a plate located within the bottom head element and the adjacent portion of the cylindrical body element and having its central portion spaced from the central portion of the bottom head element, an axially shiftable stud within the housing and extending axially through the drum and through the top head element to provide an operating button externally of the top head element, a non-circular opening in the bottom head element plate, the lower portion of the stud extending through said non-circular opening and being axially shiftable with respect to the said plate and non-rotatable with respect to said bottom head element, a spring element located between the bottom head of the drum and the said plate of the bottom head element and exerting a separating force between said parts urging the drum upwards to bring its cylindrical tape winding flange into frictional engagement with a portion of the top circular head element of the housing to lock the drum against rotation with respect to the housing, said spring element comprising a spring sheet metal plate including a central portion in engagement with the stud and also having a plurality of outwardly extending fingers located at substantially equal angular separation from each other around said spring sheet metal plate and having their outer end portions in engagement with the bottom head plate aforesaid to thereby exert a direct upward thrust against the stud and to thereby exert a direct upward thrust against the winding drum in direction parallel to the axis of drum rotation a spiral retracting spring within the drum, a connection between the outer end of said spring and the drum flange, a connection between the inner end of the spring and said stud, and a measuring tape having one end connected to the drum flange and extending through the tape slot of the housing, substantially as described.

2,559,112
PUSH-BUTTON CONTACTOR
Paul M. Christensen, Euclid, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio
Application April 2, 1947, Serial No. 738,959
3 Claims. (Cl. 200—159)



3. In a push button contactor, a base of molded material having a bore of square cross section therein; a plunger of molded material of square cross section reciprocable in the bore and provided with a push button on one end and a return spring reacting between the plunger and base by which the plunger may be reciprocated; a visible legend on the end of the push button; a contact in the form of a disc with a hole in it mounted on the other end of the plunger beyond the bore and larger transversely than the bore; stationary contacts on the base bridgeable by the disc contact; the mounting of the disc comprising a screw screwed into the said other end of the plunger and having a shank in the disc hole on which the disc is rotatable and the screw having spaced abutments thereon limiting axial movement of the disc on the screw; the screw being readily unscrewable from the end of the plunger to remove the disc therewith; the plunger being then removable from the bore and rotatable to any one of four selected positions determined by said square cross sectional form, and again insertable into the bore in said selected position and prevented from rotation in the bore by said square cross sectional form, to maintain the legend in a right-side-up legible position; and the disc being re-assemblable with the plunger end by the screw in all rotated and reinserted positions of the plunger.

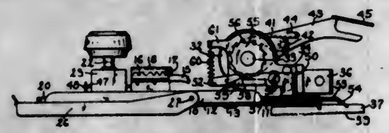
2,559,113
YARN MEASURING MACHINE
Joseph K. Cobert, Sherbrooke, Quebec, Canada
Application March 26, 1945, Serial No. 584,822
6 Claims. (Cl. 33—147)



4. Yarn measuring apparatus comprising opposed stationary and movable yarn compressing elements between which the yarn is pressed during each measuring operation, force applying means arranged to shift the movable yarn compressing element to a yarn compressing position in the direction of the stationary yarn compressing element by the application of a force of predetermined constant magnitude so that the distance travelled by said movable yarn compressing element during each yarn compressing movement thereof varies according to the denier of that portion of the yarn which is interposed between the yarn compressing elements, means for shifting the movable yarn compressing element to a yarn releasing position away from the stationary yarn compressing element and against the resistance of said force applying means after the movable yarn compressing element has reached the end of its travel in a yarn compressing direction, a stop member carried by and movable with said movable yarn compressing element, a scale plate, a pointer arranged to travel over the scale plate and means for operating and controlling the pointer so that it is held in a starting position during the yarn compressing operation, is moved over the scale plate at the end of the yarn compressing operation to an indicating position which is predetermined by the position to which said stop member has been moved at the end of the yarn compressing operation and is returned to starting position simultaneously

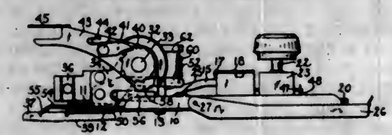
with the movement of the movable yarn compressing element to its yarn releasing position, said last mentioned means including biasing means acting against the pointer to move it from its starting position to an indicating position, means for holding the pointer in its starting position against the resistance of said biasing means during the yarn compressing operation and means for rendering said holding means ineffective upon completion of the yarn compressing operation to thereby release the pointer for movement to an indicating position under the influence of the biasing means and a member attached to and movable with the pointer and engageable with said stop member to bring the pointer to rest when it has travelled a distance predetermined by the position of the stop member at the end of the yarn compressing operation.

2,559,114
CLOTH-HOLDING DEVICE FOR BUTTONHOLE ATTACHMENTS
John Connors, Hamden, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application October 27, 1949, Serial No. 123,962
10 Claims. (Cl. 112—77)



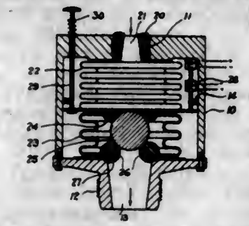
10. A sewing-machine attachment comprising a frame, spaced upstanding members secured to the frame, a shaft rotatably mounted in said members to extend transversely of the frame, a toothed wheel secured to said shaft adjacent each end thereof, a fork arm pivoted on the shaft and having a pawl thereon in position to engage one of said wheels, a lever pivoted to the frame and having a downwardly-extending cloth-engaging foot, said lever having a follower thereon in position to be engaged by the other of said wheels to actuate said lever and move the foot upwardly, and spring means connected to the lever and frame to urge said foot downwardly.

2,559,115
CLOTH-HOLDING DEVICE FOR BUTTONHOLE ATTACHMENTS
John Connors, Hamden, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application November 4, 1949, Serial No. 125,636
8 Claims. (Cl. 112—77)



8. A sewing-machine attachment comprising a frame, spaced upstanding members secured to said frame, a shaft rotatably mounted in said members and having a fork arm pivoted thereon adjacent one end thereof, said fork arm being operatively connected to said shaft to actuate the same, a second shaft rockably mounted in said upstanding members below and forwardly of said first shaft, a lever secured on said second shaft adjacent one of said upstanding members and having a downwardly extending cloth-engaging foot at the forward end thereof, a second arm secured on said shaft adjacent the other of said upstanding members to be disposed below said fork arm, cam means on said fork arm to engage said second arm to actuate said lever and move said cloth-engaging foot upwardly, and spring means acting on said lever to move said cloth-engaging foot downwardly.

2,559,116
DISPENSING VALVE
Antony Doschek, Crafton, Pa., assignor of one-half to George O. Paff, Baltimore, Md.
Application December 11, 1945, Serial No. 634,227
10 Claims. (Cl. 251—135)

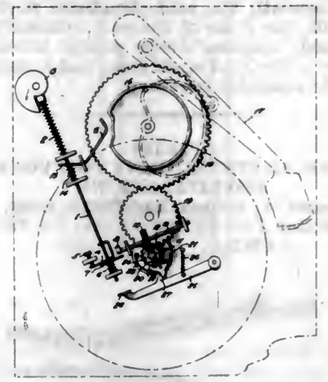


1. In a fluid control device having a pair of spaced-apart fluid nipples, a fluid-pressure-sensitive bellows defining a fluid passage therethrough and secured in a fluid sealed-off relationship at one end thereof to one of the fluid nipples, a valve seat member spaced from said first-mentioned fluid nipple and mounted on said bellows to extend across the fluid passage therethrough, said valve seat member being flexibly supported on said bellows in such a manner as to move with said bellows, said bellows being connected at an opposite end in a fluid sealed-off relationship to the other fluid nipple, an annulus-like support ring secured on the other fluid nipple and within said bellows, and a ball-like valve element operably positioned between said valve seat member and said support ring, actuating means operably connected to said valve seat member for moving it with respect to said ball-like valve element said valve element being constructed and arranged to engage said valve seat member to close off fluid flow along the fluid passage through said bellows and to move off said valve seat member to by-pass fluid flow through the passage in accordance with relative spacing between said support ring and said valve seat member, said support ring having a portion constructed and arranged to pass fluid between said support ring and said valve element when said valve element is in engagement with said support ring.

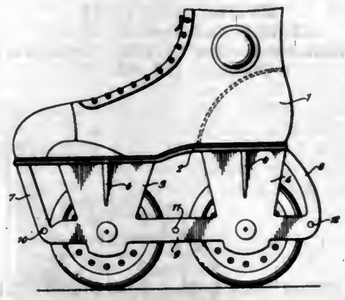
2,559,117
CLUTCH OPERATOR FOR PHONOGRAPH TONE ARM DRIVES
Sven Gustaf Falk, Stockholm, Sweden, assignor to Svenska Aktiebolaget Philips, Stockholm, Sweden, a corporation of Sweden
Application April 5, 1946, Serial No. 659,810
In Sweden April 6, 1945
8 Claims. (Cl. 192—82)

1. In an automatic record changing gramophone a main drive member, a clutch device operable by said drive member, a control member operative in one position to render the clutch device inoperative, a rod movable longitudinally in one direction to displace said control member to a second position wherein said clutch device is

operative, means normally tending to move the rod in the opposite direction, a stepping member operative when disposed in one angular position with relation to the rod to grip and displace said rod in the first mentioned direction, means driven by said drive member for periodically actuating the stepping member to impart a succession of step-wise movements to said rod, a check member operative when disposed in one angular position with relation to the rod to grip and hold said rod against movement in the second mentioned direction, and means yieldably retaining the check member in said holding position.

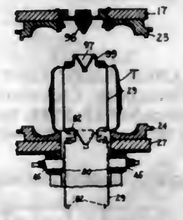


2,559,118
SCOOTER SKATE
Roderick F. Foran, Moncton, New Brunswick, Canada
Application December 10, 1946, Serial No. 715,280
2 Claims. (Cl. 280—11.23)



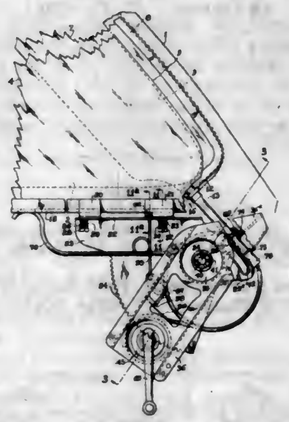
1. In combination with a shoe, a scooter skate comprising a pair of frame members secured to the shoe having reinforcing spacers therebetween, headed axles extending through said frame members having threads at their free ends, closure nuts received on the threaded ends of said axles for securing the latter to said frame members, solid wheels rotatably mounted on said axles having opposed recesses in their opposite sides, ball races in said recesses disposed about said axles, washers interposed between said frame members and said ball races, rivets extending through said wheels interconnecting said washers for holding said races in place in said recesses, and means for conducting a lubricant to said races, said means including a cup in one side of said wheels and channels leading from said cup to said races.

2,559,119
TIRE CURING APPARATUS AND METHOD
Paul A. Frank, Akron, Ohio
Application January 25, 1950, Serial No. 140,479
20 Claims. (Cl. 18—17)



10. Apparatus for forming flat-built tires into tire form and then vulcanizing the same into finished condition comprising; a pair of complementary upper and lower mold sections; means associated with said lower mold section adapted to support on edge an uncured tire in pulley band form; means for relatively moving said mold sections to and from a mating closed position and an axially separated position; a radially expansible and contractible tire-forming device; means supporting said forming device coaxially with said mold sections; and means for relatively moving said mold sections and said forming device while in its radially contracted position to and from a position where said forming device is positioned in its entirety in the space between said mold sections with the lower end of said forming device in the plane of the lower molding surface of the lower mold section and a position where the major portion of said forming device and its supporting means are both axially withdrawn from the space between said mold sections when the latter are in fully axially separated position.

2,559,120
VENTILATING SYSTEM FOR VEHICLES
Leo S. Greenmun, Cleveland, Ohio
Application October 12, 1945, Serial No. 622,032
15 Claims. (Cl. 268—122)



1. In combination with an automobile door having a window, a member rigidly mounted on said door and having a shaft therein, a plate for supporting said window, yieldable fastening means securing said window to said plate, crank-operated means for rotating said plate about said shaft to raise or lower said window, said member having serrations arranged concentric with said

shaft, a trigger pivotally mounted on said plate, and means responsive to a straight downward push applied to said window for swinging said trigger into locking engagement with said serrations, whereby to lock said window against further downward movement.

2,559,121
PORTABLE REFRIGERATOR
Philip Hertzberg, Cleveland, Ohio
Application September 23, 1949, Serial No. 117,345
2 Claims. (Cl. 62—87)

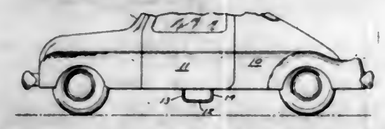


2. A portable refrigerator of the character described comprising an outer container having spaced inner and outer walls and comprising bottom, side, and end walls, an inner container in said outer container spaced from the outer container to provide a refrigerating space therebetween, the inner wall of the outer container having inwardly directed flanges secured to walls of the inner container whereby said inner wall and said inner receptacle may be removed as a unit and vertically extending straps secured to the bottom of the outer container and engaging the side walls of the inner container to maintain the inner container spaced from the outer container.

2,559,122
ABRASIVE BODIES AND METHODS OF MAKING SAME
Frederick A. Hessel, Upper Montclair, and John B. Rust, Montclair, N. J., assignors, by direct and mesne assignments, of one-half to Montclair Research Corporation, a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey
Application October 19, 1944, Serial No. 559,446
10 Claims. (Cl. 51—298)

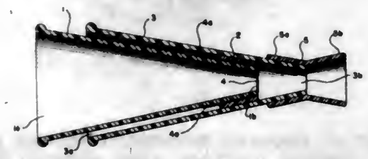
1. An abrasive article comprising abrasive grains bonded by a resinous condensation product of an organic derivative of ortho silicic acid in which an average of ½ to 2 hydroxyl groups per molecule of ortho silicic acid have been replaced by monovalent hydrocarbon radicals.

2,559,123
SAFETY CAR STEP
Lloyd W. Jackson, Hubbard, Ohio, assignor of fifty per cent to Joseph R. Heaps, Hubbard, Ohio
Application November 18, 1949, Serial No. 128,107
3 Claims. (Cl. 280—164)



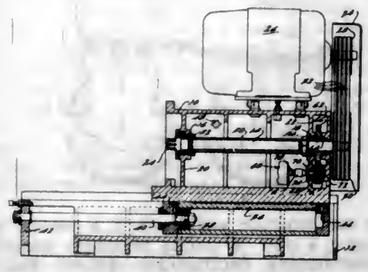
1. The combination of a motor vehicle having a frame structure and an access door and a safety step positioned beneath said door, said safety step comprising a substantially U-shaped body member positioned transversely of said motor vehicle with the interconnecting portion of the substantially U-shaped body member lying beneath the said door and parallel with the bottom thereof, and clamps securing the arms of the said substantially U-shaped member to the said structural frame of the said vehicle, the said clamps comprising a pair of inverted U-shaped clamping members positioned about the said structural portion of the vehicle and apertured angle irons positioned beneath the said structural portions of the vehicle, the arms of the said substantially U-shaped body member being passed through the apertures in the said angle iron, and fasteners securing the assembly together.

2,559,124
MUSICAL INSTRUMENT FOR VOCAL AMPLIFICATIONS
Leslie W. Kerner, San Diego, Calif.
Application July 26, 1947, Serial No. 763,911
5 Claims. (Cl. 46—182)



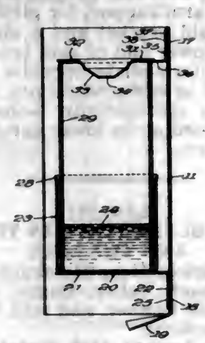
1. An amplifying cone having a diverging form provided with open opposite ends, a diaphragm fitted over the smaller open end of said amplifier, a ring surrounding said diaphragm and holding the outer edges thereof adjacent the outer side of said amplifier, a vent cone surrounding said amplifier and said ring movable longitudinally thereof whereby venting outwardly of said ring is accomplished.

2,559,125
HYDRAULIC UNIT
Chite S. Lee, Detroit, Mich.
Application September 23, 1948, Serial No. 50,843
5 Claims. (Cl. 60—52)



2. A mounting arrangement for hydraulic machinery of the type having a slidable part, a hydraulic motor for actuating said part and having ports through which liquid passes to and from the motor, and a tank for hydraulic liquid, a unitary assembly comprising a panel adapted to be removably attached to the wall of the tank, instrumentalities for circulating and controlling flow of hydraulic liquid carried by said panel and including passages for delivering hydraulic liquid to and receiving hydraulic liquid from said hydraulic motor, said passages so located on the panel as to align exactly with and to superimpose on the ports which service said hydraulic motor when the panel is fastened to the tank.

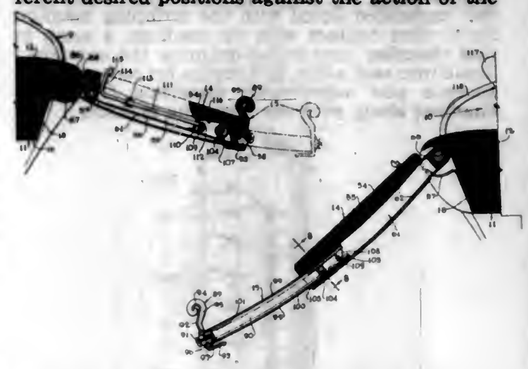
2,559,126
ODORANT DISPENSER
Carl B. Lien, Chicago, Ill., assignor to Lien Chemical Company, a corporation of Illinois
Application April 22, 1947, Serial No. 743,124
7 Claims. (Cl. 299—20)



3. An odorant dispenser comprising a generally vertically extending housing open at its upper and lower ends, a liquid odorant tray of less cross sectional area than the housing mounted in the lower end of said housing, a liquid odorant absorbing wick having an opening extending longitudinally therethrough removably positioned in said tray and extending upwardly from said tray within said housing, and a top for said housing of less cross sectional area than the housing, said top having a depressed portion substantially centrally thereof and having an apening through the bottom of said depression, said depressed portion of the cover depending downwardly and telescoping the opening in said wick, whereby the wick is held in a relatively fixed upright position and the tray may be conveniently filled and refilled with liquid odorant by pouring through the depressed portion down through the longitudinal opening in the wick and into said tray, said housing having an inwardly bent lip at the bottom thereof, said lip being wider than the liquid odorant tray and inclined forwardly and downwardly from the rear wall of the housing, whereby liquid odorant running over the depressed portion in the cover and down the housing will be directed to the bent lip which acts as a drip edge removed from the housing.

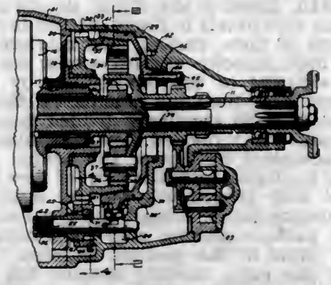
2,559,127
ADJUSTABLE FOOT AND LEG REST FOR CAR SEATS
John C. Lyon, Upper Darby, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application November 27, 1945, Serial No. 631,124
4 Claims. (Cl. 155—171)

1. In a seat especially for railway cars and other vehicles, comprising a seat structure, a leg rest attached to the front margin of said structure swingably about a substantially horizontal axis, a foot rest provided with lateral arms slidably guided in said leg rest for inward and outward movement, a tooth rack secured to at least one of said arms, a pinion engaging said tooth rack and rotatably supported in said leg rest, a spring means between said leg rest and said pinion endeavoring to rotate the pinion so as to push the foot rest inwardly, a releasable stopping means for holding said foot rest in different desired positions against the action of the



spring and against pressure exerted on the foot rest by the feet of an occupant.

2,559,128
TRANSMISSION
Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 30, 1946, Serial No. 644,319
9 Claims. (Cl. 74—785)



1. In a power transmitting mechanism, gearing including a freely mounted reaction gear adapted to be held stationary to establish a drive through the mechanism, means for frictionally braking the reaction gear, means for positively braking the reaction gear, and camming means operated by the friction braking means for actuating the positive braking means.

2,559,129
METHOD AND APPARATUS FOR REMOVING GASEOUS AND READILY VAPORIZABLE MATERIALS FROM LIQUIDS
Bruce D. Miller, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application February 21, 1946, Serial No. 649,301
6 Claims. (Cl. 261—21)

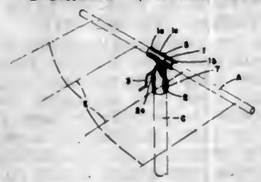
1. Apparatus for removing gaseous or readily vaporizable materials from a liquid including, a treating chamber adapted to contain a liquid and having an inner shell and an outer shell concentrically disposed to provide an annular space therebetween, a baffle positioned between the shells defining a confined path for flow of a gaseous stripping medium and a liquid in contact with each other, means for draining the liquid from said baffle into the interior of said inner

shell to temporarily segregate said liquid out of contact with the medium, means for entraining the segregated liquid with the stripping medium for further contact with the medium, a sump in said chamber, means for draining the entrained liquid into said sump, and means for removing the gaseous and vaporizable materials from said chamber along with the stripping medium.



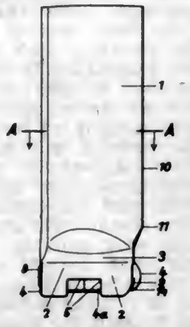
6. A process for removing gaseous or readily vaporizable materials from a liquid including, continuously supplying the liquid to the upper end of a confined vertical helical path of flow and a gaseous stripping medium to the lower end of said path, passing the liquid downward along the path alternately in finely divided form and in the form of films, passing said medium at relatively high velocity upward along the path to cause scouring of the liquid films by the rapidly moving medium and to impart sufficient centrifugal force to the finely divided liquid to deposit said finely divided liquid as films on the outer boundary surface of the helical path, diverting the liquid from the path of flow and from contact with the rapidly moving medium in a zone intermediate the upper and lower ends of the helical path, atomizing and entraining the diverted liquid in the medium entering the lower end of the path, thereby causing the diverted liquid to be carried upward along the helical path and to be deposited as films along the outer boundary surface of said path, again diverting and atomizing the portion of the diverted liquid deposited as films in and above said intermediate zone, separating the diverted liquid deposited as films below the intermediate zone from further contact with the medium, and removing the gaseous and vaporizable materials from the upper end of the helical path along with the gaseous stripping medium.

2,559,130
CLOTHESLINE SUPPORT AND TIGHTENER
Wallace W. Miller, El Cajon, Calif.
Application April 2, 1947, Serial No. 738,953
4 Claims. (Cl. 211—119.15)



1. Means for supporting adjacent ends of a plurality of clotheslines, comprising an arm in connection with opposite ends of said clotheslines, an arm support having a tubular portion through which said arm is positioned, a bracket having a pivotal bearing in connection therewith on which said arm support is pivoted, a screw crank in connection with said bracket in spaced relation with said pivotal bearing engageable with said arm support for pivoting the same relatively to said bracket and a pipe in connection with the lower end of said bracket, the axis of which is intermediate opposite ends of said arm connected to said clotheslines, said supporting arm being substantially T-shaped in form and being pivoted at its lower end in connection with said bracket.

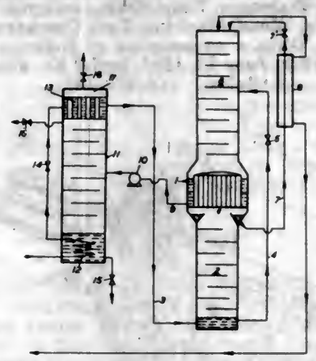
2,559,131
HOLLOW BLADE FOR GAS TURBINES AND THE LIKE
Hermann Oestrich, Hans Rosskopf, Alfred Renner, and Jakob Valter, Decize, France; said Rosskopf, said Renner, and said Valter assignors to said Oestrich
Application April 11, 1949, Serial No. 86,703
In France April 22, 1948
13 Claims. (Cl. 60—41)



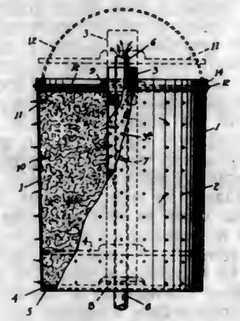
1. In an inwardly cooled blade for gas turbines or the like machines having a hollow sheet metal body through which a cooling fluid is adapted to pass, the provision of corresponding lugs projecting from said body at the root end of the front and rear end thereof, said lugs being bent with their outer ends in abutting relationship so as to form a tubular root assembly; and a pin fitted in said assembly, said assembly and said pin having corresponding apertures therethrough to provide a cooling fluid inlet passage to said hollow body.

2,559,132
FRACTIONAL SEPARATION OF AIR
Neville Wyn Roberts, London, England, assignor to The British Oxygen Company Limited, London, England, a British company
Application February 8, 1949, Serial No. 75,109
In Great Britain February 12, 1948
1 Claim. (Cl. 62—175.5)

A process for separating argon from air which comprises treating the air in a two-stage primary rectification zone in such a manner as to produce therein as one of the separation products a liquid oxygen-argon fraction, increasing the pressure of such fraction and transferring it to a secondary rectification zone which operates under elevated pressure wherein it is separated into an argon-rich fraction and a substantially pure oxygen fraction, maintaining the necessary temperature gradient in the said secondary rectification zone by the condensation and revaporization of air by indirect heat exchange therein, and introducing the revaporized air into the first stage of the two-stage primary rectification zone.



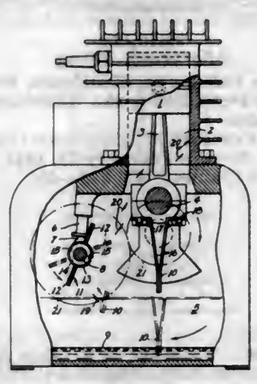
2,559,133
REPACKABLE OIL FILTERING CARTRIDGE
Charles C. Schultz, Calgary, Alberta, Canada
Application January 10, 1949, Serial No. 70,037
In Canada February 13, 1948
2 Claims. (Cl. 210—62)



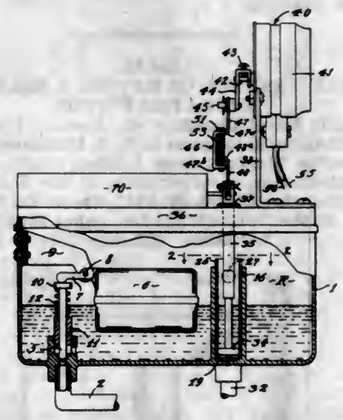
1. In a perforated cylindrical type oil filtering cartridge as described for immersion in an oil filled container, and containing filtering material, a central perforated tube within the cartridge to fit over a supporting bolt hollowed and apertured for the passage of filtered or partly filtered oil therethrough and in spaced relationship therewith, an annular oil sealing plug at each end of said tube to slidably fit over said central bolt, a disc attached to the base end of said tube and slidably fitting within the filter wall for slidable ejection of the contained filtering material therefrom, means at the base end of said container to retain the said disc therein, an annular top disc slidable on said tube to hold the filtering material in place within the cartridge, and a bale sprung into holes in the cartridge wall to retain said top disc in place.

2,559,134
LUBRICATION SYSTEM
Glen R. Steele, Pleasant Ridge, Mich., assignor to Uebelhoer Brothers, Inc., Buffalo, N. Y.
Application July 2, 1948, Serial No. 36,762
8 Claims. (Cl. 184—11)

1. A lubricating system for rotating and sliding parts of a mechanism, comprising a dip member movable with a rotating part to scoop lubricant out from a liquid bath and discharge it laterally, and a splash diverting blade movable into the laterally discharged lubricant in timed relation to directly receive the lubricant splash and divert it to the more inaccessible bearing portions of the mechanism.



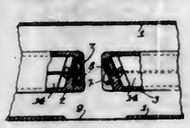
2,559,135
LIQUID FUEL FEEDING MEANS
Holden B. Townley, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application December 29, 1945, Serial No. 638,225
10 Claims. (Cl. 158—36.6)



1. Liquid fuel feeding means comprising an enclosure including a receiving compartment and a delivery compartment, means for supplying liquid fuel to the receiving compartment and for maintaining it therein at a given level, the delivery compartment having an outlet a substantial distance below said level, a vertical pump cylinder having an inlet port situated well below the aforesaid level and communicating with the receiving compartment, said cylinder having, also, an outlet port, a substantial distance above said level arranged to discharge into the delivery compartment, a piston reciprocable in the pump cylinder between a position below the top of the inlet port and a position intermediate said top of the inlet port and the outlet port for elevating liquid fuel admitted through the inlet port to a height at which it will overflow through the outlet port, driving mechanism, and operative con-

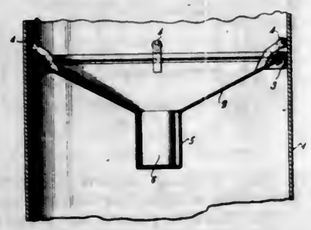
nections between said mechanism and the piston, the pump cylinder being vented below the inlet port.

2,559,136
RÖNTGEN TUBE
Bo Valterson Valtersson, Stockholm, Sweden, assignor to Järnhs Elektriska Aktiebolag, Stockholm, Sweden
Application February 21, 1946, Serial No. 649,452
In Sweden February 23, 1945
8 Claims. (Cl. 313—56)



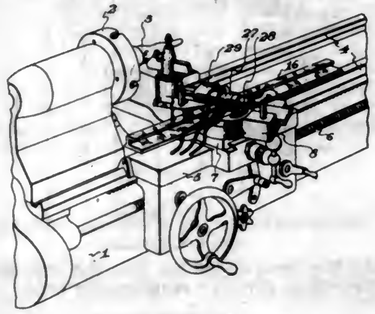
1. An electric discharge apparatus comprising a cavity resonator consisting of a closed envelope having a conductive inner surface, a source of high frequency energy, inductive coupling means for feeding high frequency energy into said resonator, two reentrant portions of said envelope forming inner conductors projecting from opposite ends of the resonator cavity towards the center thereof and having conductive end surfaces facing each other, a charge emitting cathode provided on the inner end of one of said reentrant portions in direct electric contact with the inner surface of the envelope, and a charge collecting and X-rays emitting anode provided on the inner end of the other reentrant portion in direct electric contact with the inner surface of the envelope.

2,559,137
DRY GASHOLDER HAVING A BALLAST ACTUATED PISTON
Frederik Karel Theodoor van Iterson, The Hague, Netherlands, assignor to N. V. Hollandsche Constructie Werkplaatsen, Leiden, South-Holland, Netherlands, a corporation of the Netherlands
Application March 20, 1947, Serial No. 735,900
In the Netherlands December 11, 1946
9 Claims. (Cl. 48—176)



1. A dry gasholder consisting of a container and a piston movable in said container, said piston being constructed as an inverted flexible conical shell and having a lateral surface, means establishing contact between said piston and said container all of said means lying contiguous to the perimeter of said lateral surface of said conical piston and said means including a sealing sliding along the inner wall of said container, said piston having a weight located substantially at the apex of said conical shell, the center of gravity of said weight being disposed in such a way that said weight acts to maintain the piston in substantially horizontal position while permitting limited tilting.

2,559,138
DUPLICATING ATTACHMENT FOR LATHES
Arthur P. Waterson, Tulsa, Okla., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application June 10, 1946, Serial No. 675,522
4 Claims. (Cl. 82—14)



1. In a duplicating attachment for lathe having a carriage movable longitudinally of the bed of said lathe, a cross slide having transverse movement on said carriage, a compound rest mounted to swivel to any adjusted position on said cross slide for positioning a tool slide for movement in any desired angular direction relative to the carriage and cross slide movements, and a tracer controlled servomechanism including a tracer operable to actuate said tool slide upon the longitudinal feeding movement of said carriage, a template engaging feeler on said tracer, and a template to operatively engage said feeler, means for supporting said template on said compound rest comprising a guide bracket pivotally connected to said compound rest, a template engaging guideway in said bracket, and means for clamping said bracket to said compound rest to position said guideway parallel to the carriage movement so as to limit freedom of relative movement of said template and compound rest to a direction parallel to the longitudinal feeding movement of said carriage, and means for supporting another portion of said template on said bed comprising a member fixed to the bed, a template cross slide transversely movable on said member relative to the bed ways, and means to lock said template to said template cross slide member so as to limit freedom of relative movement of said template and bed to a direction transverse to the longitudinal feeding movement of said carriage.

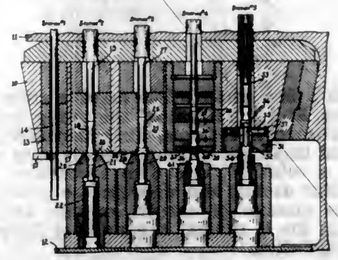
2,559,139
WIRE CLOTHESPIN
William Wheeler, Coventry, England
Application April 30, 1948, Serial No. 24,286
In Great Britain May 9, 1947
1 Claim. (Cl. 24—139)



A clothes peg formed of a single length of wire, said wire having a main portion which is of generally U-shape having parallel limbs, and having substantially parallel reversely-extending spring portions adapted to yieldingly clamp an

article against a clothes line, said substantially parallel portions being joined to the ends, respectively, of the limbs of said main portion by diverging portions serving to give a lead to the article when entering between said parallel portions, and one of said parallel portions terminating at its inner end with a part extending directly across the inward extremity of the other of said parallel portions to form a stop for limiting the inward travel of the article, the inward extremity of said other parallel portion being formed as a loop within which said transversely-extending part slidingly engages.

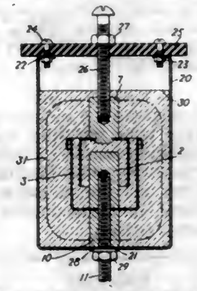
2,559,140
MEANS FOR MAKING SOCKETED HEAD SCREW BLANKS OR THE LIKE
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application April 21, 1945, Serial No. 589,635
2 Claims. (Cl. 10—12)



1. Mechanism for forming a screw blank with a socketed head by pressure from cold stock comprising a plurality of companion tools at a plurality of independent stations, the tools at one station comprising means for heading the blank, the tools at another station comprising a die having an outwardly flaring opening to receive the head of the blank, and a tapered punch having flat faces on its side walls with the lower end of the punch being of substantially true polygonal shape to form a tapered socket in the head of the blank with flattened areas on the side walls thereof, and the tools at the succeeding station comprising a drawing die and a straight-sided polygonal punch, said punch being of substantially the same dimensions in cross-section as the lower polygonal end of said first-named punch, and a movable gate member on which both of said punches are carried.

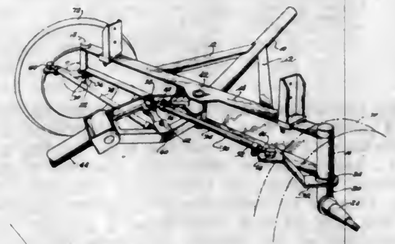
2,559,141
METHOD OF MAKING HIGH VOLTAGE CONDENSERS
Gurdon H. Williams, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application December 28, 1943, Serial No. 515,897. Divided and this application May 1, 1947, Serial No. 745,287
5 Claims. (Cl. 18—59)

1. A method of making a high voltage condenser of the type having an insulating exterior, including the steps of placing a plurality of electrodes within a mold having an insulating support portion, joining terminal studs to said electrodes connecting said studs to an electrical measuring device, adjusting the capacitance of said condenser to a predetermined value as indicated by said device by moving one electrode in an axial direction in air with respect to said support portion to thereby adjust the capacitance of the condenser to a predetermined value different from but related to the desired capaci-



tance of the finished condenser, pouring insulating dielectric material into said mold, baking said dielectric material to harden the same, and thereafter removing said electrodes and insulating material from said mold.

2,559,142
SHORT TURN STEERING MECHANISM
John O. Woodworth, La Grange, Ind.
Application October 9, 1948, Serial No. 53,662
1 Claim. (Cl. 280—103)



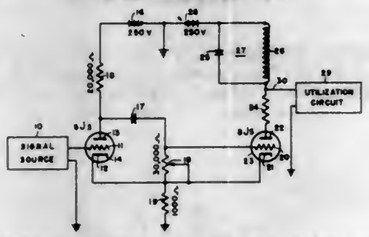
A vehicle steering mechanism comprising an axle-tree secured to a longitudinal member, right and left wheel spindles pivotally mounted at either end of the axle-tree, right and left upwardly biased steering arms associated with each of said wheel spindles extending forwardly and inwardly therefrom and turnable as a unit therewith, a diamond-shaped member having a major axis and a minor axis, said diamond-shaped member being pivoted at one end of its major axis to the center of the forward part of said axle-tree for horizontal movement, a tow bar pivoted for vertical movement at the other end of the major axis of said diamond-shaped member, two straight substantially equal length right and left longitudinally adjustable tie rods extending between said diamond-shaped member and said right and left steering arms, means pivotally connecting said right and left tie rods to said right and left steering arms, respectively, said left tie rod member being pivoted to the top side of said diamond-shaped member at a point along its minor axis to the right of its major axis, and said right tie rod being pivoted to the bottom of said member at a point along its minor axis to the left of its major axis, whereby said right and left tie rods are crossed and spaced vertically at their inner ends and whereby the inner ends of said right and left tie rods are disposed farther forward of said axle-tree than the outer ends thereof.

2,559,143
CYMBAL
Avedis A. Zildjian, Quincy, Mass.
Application May 18, 1948, Serial No. 27,710
8 Claims. (Cl. 84—402)



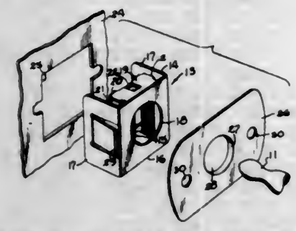
1. A cymbal comprising a generally disk-shaped body of relatively thin metallic material having an annular peripheral region of substantial width wherein the material has gradually changing thickness from the peripheral edge of the cymbal inward throughout the said substantial width of the said peripheral region.

2,559,144
GENERATION OF A SINE WAVE
Albert J. Baracket, Bloomfield, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application January 29, 1949, Serial No. 73,650
1 Claim. (Cl. 250—27)



An electronic generator of a sinusoidal voltage of a predetermined frequency comprising a multivibrator of a single-acting type having a first and a second thermionic tube, a source of assymmetrical rectangular triggering impulses repetitive at said predetermined frequency connected to the grid of said first tube, a parallel circuit consisting of inductance and capacitance tuned to said predetermined frequency and a resistor connected in series between said tuned circuit and the anode of said second tube, a variable resistor connected in the grid circuit of said second tube for varying the duration of unidirectional pulse output of said tubes, and a utilization circuit connected to a point between said tuned circuit and said first named resistor.

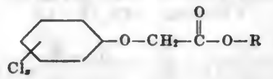
2,559,145
CATCH
Earl M. Borchers, Rockford, Ill., assignor to American Cabinet Hardware Corporation, Rockford, Ill., a corporation of Illinois
Application August 16, 1947, Serial No. 768,948
6 Claims. (Cl. 292—14)



6. A catch of the character described comprising, in combination, a pair of adjacently disposed helically coiled springs, a member supporting said springs only at the opposite ends thereof and operative to hold the spring ends against lateral movement so as to normally maintain the springs in parallel relation and permitting deflection of the central portions of the springs simultaneously upon engagement of the springs by a strike.

2,559,146
VINYL CHLORIDE RESINS PLASTICIZED WITH CHLORO PHENOXY ACETATES
Joachim Dazzi, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 27, 1948, Serial No. 29,644
6 Claims. (Cl. 260—30.8)

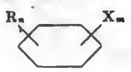
1. A plasticized vinyl resin composition which comprises a vinyl chloride polymer containing intimately dispersed therein an ester having the structural formula:



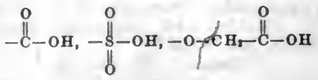
wherein x is a small whole number from 1 to 5, inclusive, R is a radical of the group consisting of hydrocarbon radicals, oxahydrocarbon radicals, and thia hydrocarbon radicals, said radicals having a total of from 6 to 12 carbon, oxygen and sulfur atoms, and wherein the product of x and the number of carbon, oxygen and sulfur atoms in the R radical is a number from ten to thirty, inclusive.

2,559,147
PREPARATION OF DIBASIC AROMATIC ACIDS BY OXIDATION
William S. Emerson, Theodore C. Shafer, and Robert A. Heimsch, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 24, 1949, Serial No. 95,173
5 Claims. (Cl. 260—524)

1. A method of preparing polybasic acids, which comprises mixing in an aqueous solution an acid of the group consisting of the acids of the formula:

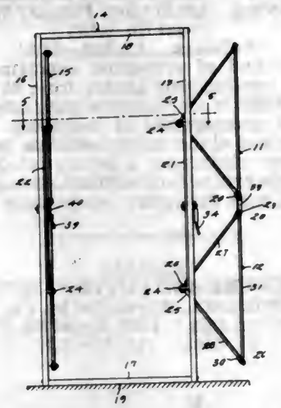


wherein R is an alkyl group having up to four carbon atoms, n and m are small whole numbers from one to three, inclusive, and X is a radical of the group consisting of



and an alkali metal compound of the group consisting of alkali metal hydroxides and alkali metal salts of acids weaker than the acid being oxidized, in sufficient amount to convert the acid to its salt, heating the resulting solution to a temperature between 200 and 350° C. with oxygen containing gas, in the presence of a compound of the group consisting of the oxides and hydroxides of silver, and separating the resulting product, the reaction mass being substantially free of hydrocarbons.

2,559,148
TELEVISION ANTENNA
Michael D. Ercolino, Wanamassa, N. J.
Application May 23, 1950, Serial No. 163,718
3 Claims. (Cl. 250—33)



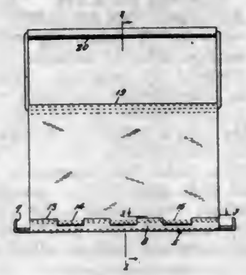
1. A television antenna comprising a generally rectangular frame, said frame being formed of non-conducting material and adapted for vertical positioning relative to a floor in a building, a pair of spaced conducting strips carried by one side of said frame, said strips having end portions bent at right angles to provide horizontally disposed spaced pivot mounts, a pair of stacked conical dipoles having their apex portions swingingly carried by said spaced pivot mounts, said dipoles having their outer ends closed by vertical members extending therebetween, and a reflector means having reflecting strips swingingly carried by the side of said frame disposed opposite from said one side, said reflecting strips being joined at the ends thereof as a plurality of irregular triangle shaped rod structures with the apexes of said structures electrically bonded together.

2,559,149
TELEVISION ANTENNA
Michael D. Ercolino, Wanamassa, N. J.
Application May 23, 1950, Serial No. 163,719
3 Claims. (Cl. 250—33)



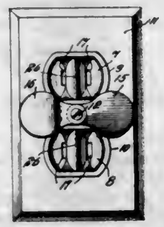
1. A demountable television antenna comprising a frame having oppositely spaced pairs of conducting strips, each of said strips being separated from an adjacent strip and the said pairs spaced apart by a pair of non-conducting cross bars disposed at the ends of said strips, the ends of said strips being formed with right angularly disposed lugs, a dipole having adjacent ends swingingly carried by said lugs with outer ends angularly adjustable for forward bending of said dipole, and a reflector means carried by the other pair of strips having oppositely disposed sides hingedly connected to spaced lugs of the strips with said strips being electrically bonded together.

2,559,150
BOTTLE CARRIER
James C. A. Fortner, Greenville, Ala.
Application July 3, 1946, Serial No. 681,377
3 Claims. (Cl. 224—45)



1. A collapsible bottle carrier comprising a sheet metal tray-like bottom member having shallow upstanding marginal end and side flanges, one side flange extending higher than the other, sheet metal side walls hingedly connected at their lower edges to the side flanges of said bottom member to swing inwardly and downwardly onto the latter in horizontal superimposed relation, a pair of upwardly converging bails, means hingedly connecting one of said bails at the bottom to the upper edge of one of said side walls, means hingedly and detachably connecting the other bail at the bottom with the upper edge of the other side wall, and means snugly encircling and hingedly connecting the upper ends of said bails, said side walls being unconnected at the top except by said bails so as to be swung by the latter into clamping engagement with bottles placed in the carrier when the latter is lifted.

2,559,151
SAFETY GUARD FOR ELECTRIC OUTLETS
Edward M. Getzoff, Red Bank, N. J.
Application February 12, 1948, Serial No. 7,818
1 Claim. (Cl. 173—330)



A safety guard for a duplex electric outlet having outlet receptacles in adjoining relation and provided with barrier ridges between attachment blade openings and comprising outlet receptacle covers of flat, flexible material pivotally supported on a common center located between the

adjoining receptacles and including resilient means for yieldingly retaining the individual covers in positions covering or uncovering the respective receptacles and said covers having lugs on the back of the same spaced to ride over and interlockingly engage with opposite sides of said barrier ridges.

2,559,152

ISOTOPE CONCENTRATION PROCESS

Aristid V. Grosse, Haverford, Pa., and Allen F. Reid, Dallas, Tex., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application February 4, 1948, Serial No. 6,346

3 Claims. (Cl. 23—150)

1. In the process of relatively concentrating isotopes of carbon and of oxygen contained in compounds thereof by reacting carbon dioxide, carbonic acid, bicarbonate ion and water in the presence of a heterogeneous catalyst by flowing carbon dioxide into a mixture of carbon dioxide, carbonic acid, bicarbonate ion and water, and taking off from said heterogeneous catalyst a fluid enriched with the desired isotope, the improvement which comprises employing as said heterogeneous catalyst an aluminum packing which has been reacted with an alkali silicate.

2,559,153

SEPARATION OF STEROLS FROM MIXTURES

Johannes Thomas Hackmann, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 28, 1947, Serial No. 782,686. In the Netherlands January 9, 1947

7 Claims. (Cl. 260—397.2)

1. Process for the separation of cholesterol from natural mixtures containing the same, comprising converting the cholesterol into a crystalline molecular urea complex and separating said complex from the other components of the mixture.

2,559,154

METHOD OF PREPARING COPOLYMERS OF ACRYLONITRILE

George E. Ham, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application January 30, 1948, Serial No. 5,482

12 Claims. (Cl. 260—80.5)

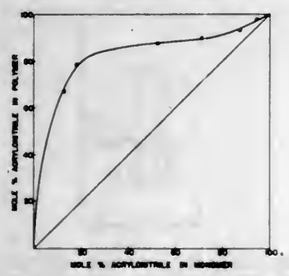


Fig. 1 - Copolymer Composition Curve Vinyl Acetate - Acrylonitrile

1. A method of preparing emulsion copolymers of more than 40 percent by weight acrylonitrile and at least two percent vinyl acetate which comprises adding the monomers in the proportions desired in the copolymer, to an aqueous medium containing a peroxy catalyst and an emulsifying agent at the reflux temperature, said addition being made at rates such that the reflux temperature remains constant.

2,559,155

METHOD OF PREPARING POLYMERS OF ACRYLONITRILE

Earl C. Chapin and George E. Ham, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 30, 1948, Serial No. 5,483

10 Claims. (Cl. 260—85.5)

1. A method of preparing copolymers which comprises continuously adding from 30 to 98 percent by weight of acrylonitrile and from 70 to two percent of a compound of the group consisting of styrene and alpha-methyl-styrene to an aqueous medium containing a peroxy catalyst at the reflux temperature, said addition being made at rates such that the reflux temperature remained constant.

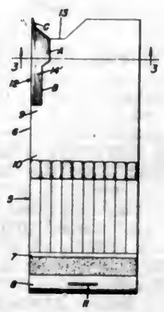
2,559,156

MANICURE AND CUTTING DEVICE

William L. Hewes, Darby, Pa.

Application July 3, 1950, Serial No. 171,839

2 Claims. (Cl. 30—123)



1. A device of the kind described comprising a closure flap of a match packet providing a flat sheet carrier member, said carrier member having a large recess in one end portion and adjacent one side portion thereof, and a flat cutting implement flatly secured on said one side portion of the carrier member, said implement including a body portion having an integral handle portion on its inner end and an integral pointed working tip portion on its outer end projecting at one side of said recess.

2,559,157

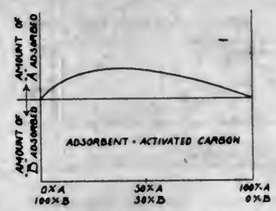
SEPARATION OF ISOPARAFFINS

Alfred E. Hirschler, Drexel Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application June 11, 1948, Serial No. 32,485

14 Claims. (Cl. 260—676)

1. A process for separating two isoparaffin hydrocarbons which comprises introducing a liquid mixture of such hydrocarbons, essentially free of unsaturate hydrocarbons, into a body of activated carbon, thereby selectively adsorbing one of said hydrocarbons, and separating from the adsorbent a filtrate fraction which contains only a portion of the total hydrocarbons introduced, thereby obtaining a product in which the proportion of one of said hydrocarbons to the other of said hydrocarbons is higher than in the starting mixture.



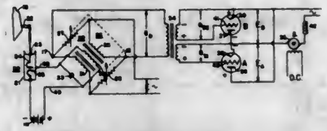
2,559,158

SATURABLE REACTOR PHASE SHIFTER

Anthony J. Hornfeck, Lyndhurst, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Original application March 31, 1945, Serial No. 585,891. Divided and this application February 24, 1950, Serial No. 145,992

4 Claims. (Cl. 323—123)



1. An alternating current network comprising a bridge having two alternating current input terminals, a pair of parallaled branch paths each including only a series connected resistance arm and reactance arm connected between said input terminals, an output terminal connected at the junction of the resistance and reactance arms in each branch path, said reactance arms being oppositely disposed in said bridge and included in a single saturable core reactor structure, an asymmetric current control winding for the reactor for varying the impedance of the reactance arms, and an alternating current output from the network at said output terminals, the voltage of the output remaining substantially constant and its phase being shiftable relative to the phase of said input by variation in the amount of asymmetric current supplied to said control winding.

2,559,159

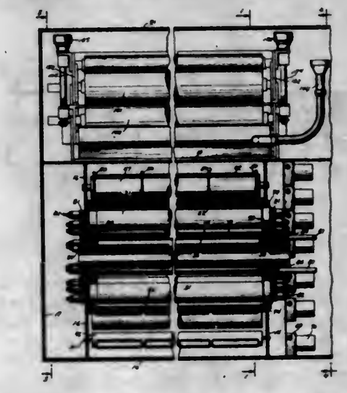
REMOVABLE LAMP ASSEMBLY FOR PRINTING AND DEVELOPING APPARATUS

Joseph Hruby, Chicago, Ill., assignor to Charles Bruning Company, Inc., New York, N. Y., a corporation of New York

Application June 22, 1948, Serial No. 34,526

1 Claim. (Cl. 240—11.4)

In an apparatus for exposing light sensitive sheet material to light wherein a transparent cylinder is supported between two end walls, one adjacent each end of the cylinder, one end wall having a circular opening coaxial with and substantially equal in diameter to the diameter of the cylinder and the other end wall supporting a fixed shaft coaxial with and terminating beyond the circular opening in the first named end wall, the improvement which comprises an assembly for supporting a cluster of elongated lamps within the cylinder for individual and collective removal and replacement, said assembly comprising a central hollow shaft receivable and slidable on said fixed shaft, a first disk on one end of said hollow shaft and having a diameter no greater than the inside diameter of the cylinder, a second disk adjacent the other end of the hollow shaft, the periphery of said second disk being adapted to seat



in the circular opening of the first end wall, oppositely disposed perforations in the first and second disks for receiving said elongated lamps endwise, and means engageable with the terminal portion of the fixed shaft releasably to lock the assembly in operative position within the cylinder.

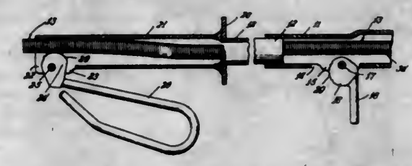
2,559,160

APPARATUS FOR PUSHING FISH TAPE THROUGH CONDUITS

John G. Jacob, Morton, Ill.

Application November 5, 1948, Serial No. 58,375

7 Claims. (Cl. 175—376)



1. In a fish tape pusher, a pair of hollow cylindrical members telescopable and longitudinally slidable upon one another throughout a substantial portion of their lengths, and cam means each connected with a side portion of each member and radially operable for alternate engagement with a flexible element extensible through the hollowed interiors of said members as the latter are slid longitudinally of one another.

2,559,161

METHOD OF FORMING CAST HOLLOW ARTICLES

Loyal L. Johnston, Zelienople, Pa., assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania

Original application February 18, 1946, Serial No. 648,318. Divided and this application July 29, 1948, Serial No. 41,421

3 Claims. (Cl. 22—200.5)

1. A foundry process comprising disposing an elongated flask in generally upright position, while the flask is so disposed introducing mold forming material thereinto through the upper end thereof, compacting the mold forming material within the flask to form a hollow mold,

adjoining receptacles and including resilient means for yieldingly retaining the individual covers in positions covering or uncovering the respective receptacles and said covers having lugs on the back of the same spaced to ride over and interlockingly engage with opposite sides of said barrier ridges.

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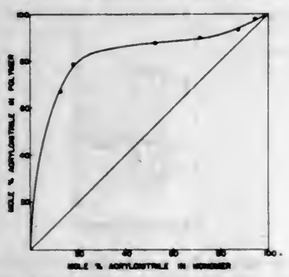


Fig. 1—Copolymer Composition Curve Vinyl Acetate—Acrylonitrile

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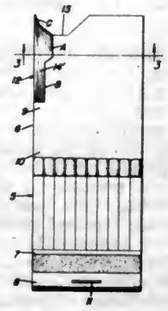
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2,559,157

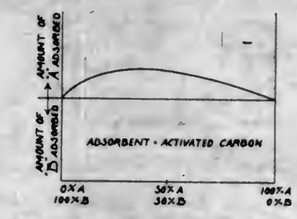
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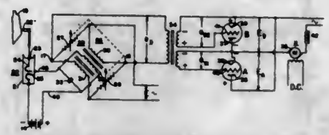
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2,559,159

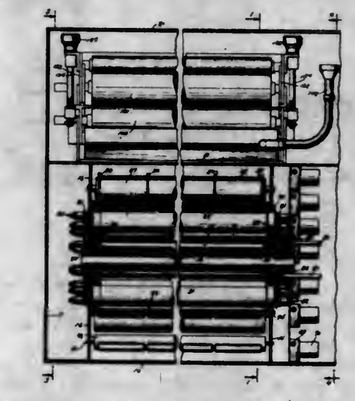
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in the circular opening of the first end wall, oppositely disposed perforations in the first and second disks for receiving said elongated lamps endwise, and means engageable with the terminal portion of the fixed shaft releasably to lock the assembly in operative position within the cylinder.

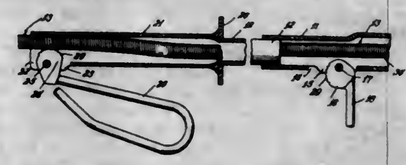
2,559,160

APPARATUS FOR PUSHING FISH TAPE THROUGH CONDUITS

John G. Jacob, Morton, Ill.

Application November 5, 1948, Serial No. 58,375

7 Claims. (Cl. 175—376)



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2,559,161

METHOD OF FORMING CAST HOLLOW ARTICLES

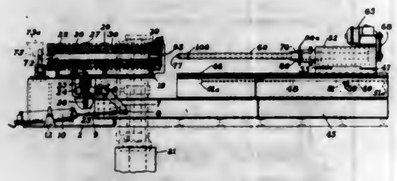
Loyal L. Johnston, Zelienople, Pa., assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania

Original application February 18, 1946, Serial No. 648,318. Divided and this application July 29, 1948, Serial No. 41,421

3 Claims. (Cl. 22—200.5)

1. A foundry process comprising disposing an elongated flask in generally upright position, while the flask is so disposed introducing mold forming material thereinto through the upper end thereof, compacting the mold forming material within the flask to form a hollow mold,

disposing the flask in generally horizontal position, rotating the flask, introducing molten material into the mold in the rotating flask to form by centrifugal casting a hollow article, disposing the flask with the article therein in generally



upright position with the end uppermost which was uppermost when the mold forming material was introduced thereinto and with the flask so disposed discharging the article from the flask through the lower end thereof, all the foregoing operations being performed at a single station.

2,559,162

THIOUREA-ALDEHYDE SEALING AGENTS AND METHOD OF MAKING THE SAME

Stewart S. Kurtz, Jr., Merion, and James S. Sweely, Swarthmore, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application October 14, 1948, Serial No. 54,588
7 Claims. (Cl. 260—29.4)

1. Method of preparing a sealing agent for sealing porous formations which comprises reacting thiourea with a reactant selected from the group consisting of formalin and furfural under condensation conditions to form a thermosetting resin, the weight proportion of thiourea to the second-named reactant being within the range of one to ⅛–5 when said second-named reactant is formalin and one to ½–6 when said second-named reactant is furfural; continuing the reaction until the resin has reached an intermediate plastic solid stage at which it is dispersible by stirring in water without the aid of an emulsifying agent to form a non-colloidal suspension stable for at least five hours; stopping the reaction when said intermediate plastic solid stage is reached whereby to obtain a partially condensed resin capable of further condensation to a hard infusible stage upon application of heat; and dispersing the resin in water thereby forming, as the desired product, a non-colloidal aqueous suspension which, when forced into a bed of 10 mesh sand, will form a resin sheath at the face of the bed capable of thermosetting to a hard layer substantially impervious to drilling fluid.

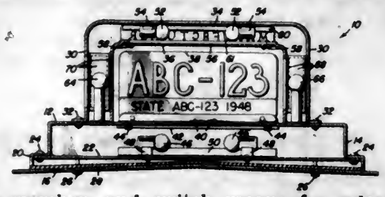
2,559,163

IDENTIFICATION AND SIGNALING DEVICE FOR VEHICLES

Wallace Macdonald, Long Beach, Calif.

Application January 17, 1949, Serial No. 71,352
6 Claims. (Cl. 177—329)

1. In association with a vehicle including a roof, a signaling device comprising a housing mounted on said roof and including a pair of laterally spaced side members having openings therein, a set of colored lenses provided on the front and rear and inner and outer side surfaces covering the openings of each side member, the lenses on the two side members being of different colors, sets of lamps one set in each



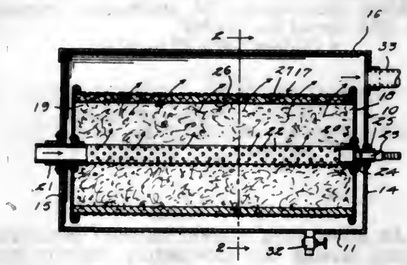
side member, and switch means for selectively energizing the sets of lamps.

2,559,164

COOLING AND AIR CONDITIONING DEVICE

Donald E. McAllister, Coulee Dam, Wash., assignor of one-half to Vern Enos, Coulee Dam, Wash.

Application November 24, 1948, Serial No. 61,883
1 Claim. (Cl. 261—92)



An air conditioning apparatus comprising a housing adapted to receive a predetermined quantity of water, a tube open at one end to provide an air inlet and having a plurality of longitudinally and circumferentially spaced air outlet openings therein, journalled for rotation in the end walls of said housing, a drive shaft extending from the closed end of said tube, a pair of circular end plates secured to said tube and spaced from the end walls of said housing, inwardly reverted peripheral edges on said plates, a cylindrical screen positioned between said end plates, an outwardly extending peripheral flange on each end of said screen positioned beneath the reverted edge of the adjacent end plate for securing the screen thereto, a fibrous water pervious cylinder contained within said screen and spaced from said tube, downwardly inclined horizontal baffles on the opposite side walls of said receptacle each extending to a point closely adjacent said screen, and an air outlet in said receptacle, the level of the water in said receptacle normally being substantially tangential to the lowermost peripheral point of said tube.

2,559,165

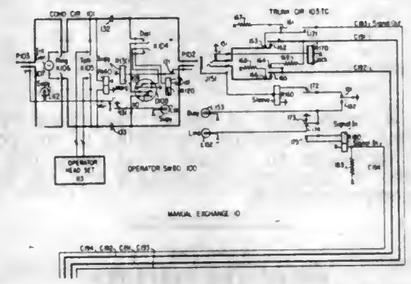
CARRIER CURRENT TELEPHONE SYSTEM

Imre Molnar, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application February 14, 1947, Serial No. 728,422
32 Claims. (Cl. 179—27)

1. In a telephone system including first and second exchanges and a line extending therebetween, said first exchange including a first operator switchboard and a first carrier current unit connected to said line, said second exchange including a second operator switchboard and a second carrier current unit connected to said

line, said first switchboard including first call and supervisory signals and being provided with facilities for answering and for extending calls, said second switchboard including second call and supervisory signals and being provided with facilities for answering and for extending calls, said first unit including first transmitting and receiving signal channels and first transmitting and receiving communication channels, said second unit including second transmitting and receiving signal channels and second transmitting and receiving communication channels, means controllable from said first switchboard for completing a connection therefrom to said first transmitting and receiving communication channels, means responsive to the completion of said last-mentioned connection for operating said first supervisory signal and for transmitting a first carrier frequency signal over said first transmitting signal channel, means responsive to said first carrier frequency signal in said second receiving signal channel for operating said second call signal, means controllable from said second switchboard for completing a connection therefrom to said second transmitting and receiving



communication channels, means responsive to the completion of said last-mentioned connection for arresting said second call signal and for transmitting a second carrier frequency signal over said second transmitting signal channel, means responsive to said second carrier frequency signal in said first receiving signal channel for arresting said first supervisory signal, means responsive to an audio signal from said first switchboard for transmitting a corresponding given side band of said first carrier frequency signal over said first transmitting communication channel, means responsive to said given side band of said first carrier frequency signal in said second receiving communication channel for transmitting a corresponding audio signal to said second switchboard, means responsive to an audio signal from said second switchboard for transmitting a corresponding given side band of said second carrier frequency signal over said second transmitting communication channel, and means responsive to said given side band of said second carrier frequency signal in said first receiving communication channel for transmitting a corresponding audio signal to said first switchboard.

2,559,166

STYRENE COPOLYMERS

Richard R. Morner and David T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 26, 1950, Serial No. 164,602
4 Claims. (Cl. 260—79.3)

1. A copolymer of 80 to 99 per cent by weight of styrene and one to 20 per cent of thianaphthene-1-dioxide.

2,559,167

POLYSILICON OXYHALIDES

Raymond R. Myers, New York, N. Y., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application August 21, 1946, Serial No. 692,134
5 Claims. (Cl. 23—203)

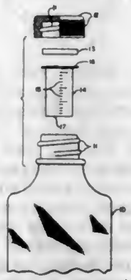
1. The process for preparing polymeric silicon oxychlorides which comprises pyrolyzing alkoxy silicon chlorides at a temperature in the range of about 500° C. to 1000° C.

2,559,168

CLOSURE FOR A CONTAINER NECK AND A MEASURING CUP DETACHABLY SECURED IN SAID NECK BY SAID CLOSURE

William Numbers, Huntington, N. Y.

Application July 5, 1946, Serial No. 681,513
2 Claims. (Cl. 222—114)



1. A device of the character described including, in combination, a container having an exteriorly threaded neck, an interiorly threaded cap engageable with said neck, a compressible washer mounted in said cap, a receptacle having a closed and an open end, and a relatively thin flange of flexible material extending outwardly from the closed end of the receptacle, the periphery of said flange forming a thread of a single convolution engageable with the threads in said cap.

2,559,169

ARTIFICIAL FISH LURE

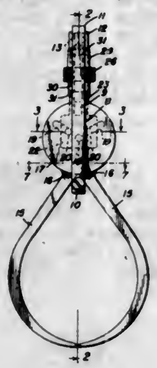
John T. Pemberton, Oklahoma City, Okla.

Application May 11, 1948, Serial No. 26,452
1 Claim. (Cl. 43—42.44)



A fish lure comprising a body, a hook, and means for detachably securing said hook to said body, said means including a dome-shaped slotted housing having extensions on opposite sides thereof, each of said extensions having dome-shaped housings on the outer end thereof, the latter housings having central openings, a key comprising a shank having an eye at one end and a U-shaped bend adjacent the other end and terminating in a free end, and screws extending through the openings into the body, one of the screws extending through the eye of the key, the U-shaped bend being positioned in alignment with the slot, and said hook having an eye pivoted on the bend and extending through the slot.

2,559,170
MICROMETER CALIPER WITH BALL PIVOT AND CAM
Herbert Pickett, Houston, Tex.
Application December 10, 1947, Serial No. 790,857
2 Claims. (Cl. 33—156)



2. A measuring instrument of the class shown and described comprising a frame embodying spaced parallel resilient limbs connected at corresponding ends and having their opposite ends free and movable toward and from each other, a pair of complemental calipering members provided at corresponding ends with spaced parallel disk-like heads, said heads having their respective outer surfaces in rotary wiping contact with the adjacent inner surfaces of the respective coacting limbs and being centrally pivoted on said limbs, the adjacent free ends of said limbs projecting beyond the marginal edge portions of said heads and being bolted together, an actuator unit rectangular in cross section and reciprocable in sliding contact between said heads, the inner opposed surfaces of said heads having complemental camming grooves, the coacting surfaces of said actuator having semispherical recesses aligned and cooperable with said grooves, there being one groove and one coacting recess on one side of said actuator unit and one groove and one recess on the opposite side of said actuator unit, an anti-friction ball fitted into each groove and its coacting recess to provide cam operating connections between the heads and unit for opening and closing said members, and means interposed between said frame means and actuator for adjusting the latter.

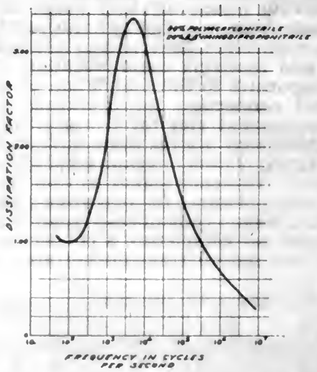
2,559,171
UNSATURATED ETHER ESTERS
John Robert Roach and Harold Wittcoff, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application January 4, 1946, Serial No. 639,159
7 Claims. (Cl. 260—410.7)

1. An ether ester of a polyhydric alcohol, said ether ester having the following formula:

$$(RCOO)_mR'(OR^2)_n$$

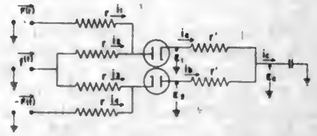
where RCOO is the acyl group of an unsaturated higher fatty acid; R' is the residue of a polyhydric alcohol having at least three hydroxyl groups; R^2 is an unsaturated hydrocarbon radical having not more than ten carbon atoms in length; m and n are whole numbers and the sum of m and n is substantially to the number of hydroxyl groups in the polyhydric alcohol from which R' is derived.

2,559,172
COMPOSITIONS COMPRISING POLYACRYLONITRILE AND β,β'-IMINODIPROPIONITRILE
William C. Schneider, Stamford, and John J. Padbury, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application September 19, 1950, Serial No. 185,628
9 Claims. (Cl. 260—32.4)



1. A composition of matter comprising (1) a polymerization product containing in the polymer molecules an average of at least 85% by weight of combined acrylonitrile and (2) β,β'-iminodipropionitrile.

2,559,173
SELECTIVE CIRCUITS
Elbert N. Shawhan, Morton, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application August 26, 1948, Serial No. 46,225
3 Claims. (Cl. 250—27)



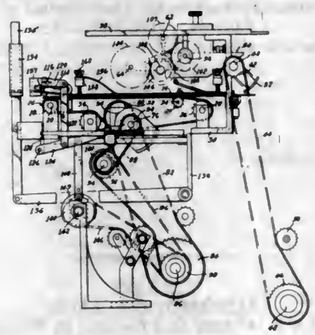
1. A synchronous rectifier comprising first and second diodes, each having an anode and a cathode, a pair of junction points, one of which junction points is connected through a first resistance to the anode of the first diode and through a second resistance to the cathode of the second diode, and the other of which junction points is connected through a third resistance to the cathode of the first diode and through a fourth resistance to the anode of the second diode, each of the resulting parallel connections between the junction points having a total resistance of its component resistances substantially greater than the forward resistance of its included diode, means applying between the cathode of one diode and the anode of the other diode an alternating switching potential to control periodically the simultaneous conductivity of said diodes, means applying a signal to the aforementioned circuit to flow through both diodes simultaneously while said diodes are rendered conductive by said switching potential, and a capacitance connected across spaced points in said circuit to accumulate a direct potential in measurement of said signal.

2,559,174
ELECTRICAL CONNECTOR WITH TANG AND GROOVE INTERLOCK
Sigmund J. Skony, Cincinnati, Ohio, assignor to Hermetic Terminal Division of Van Engineering Company, Cincinnati, Ohio, a partnership
Application May 20, 1948, Serial No. 28,141
1 Claim. (Cl. 173—363)



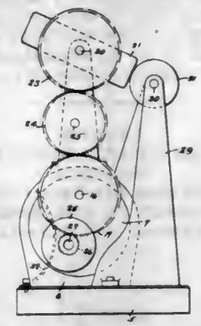
A detachable electrical connection constituted by a resilient sheet metal socket member and a rigid post member, the socket member comprising a central portion and ears at opposite sides thereof, the ears being bent toward each other to provide a flexible sleeve of generally triangular configuration in cross-section, a tang projecting inwardly from the central portion of the sleeve to provide an inwardly facing abutment whereby the tang is depressed by the entering post but the end of the tang presses against the post, said post comprising an elongated member adapted to fit snugly within said sleeve-like socket, said post provided with an outwardly facing shoulder cooperative with the said tang to constitute a lock against axial withdrawal of the post from the socket, the resiliency of the ears of the sleeve permitting the disengagement of the shoulder on the post from the tang upon application of canting withdrawal pressure to the post.

2,559,175
SPOT GLUE APPLICATOR FOR CARTON MAKING MACHINES
Henry V. H. Stoever, Jr., Durham, N. C., assignor to The American Tobacco Company, Durham, N. C., a corporation of New Jersey
Application December 3, 1948, Serial No. 63,426
9 Claims. (Cl. 91—50)



1. Apparatus of the character described comprising means for conveying blanks, an adhesive applying roll over the path of travel of the blanks, the roll having a segment traveling tangentially to the path of travel of the blank, a pressure roll beneath the path of travel of the blank, the pressure roll having a segment traveling tangentially to the path of the blank, drive means to cause the two segments to contact opposite sides of the blank at the same time, and means controlled by the feed of blanks for interrupting the drive of the pressure roll when a blank is not being fed through the machine to arrest the movement of the pressure roll before the segment reaches a position opposite the segment of the adhesive applying roll.

2,559,176
MECHANICAL MOVEMENT FOR PROFILE AND CONTOUR CUTTING MACHINES
Edward Bruce Swayne, Norfolk, Va., assignor of one-half to Whaley Engineering Corporation, Norfolk, Va.
Application December 27, 1949, Serial No. 135,258
5 Claims. (Cl. 90—13.9)



5. In a profile or pattern cutting machine, a base, vertical oscillating bearings mounted on the base, a rotary barrel mounted on the bearings, vertical arms rising from the bearings, a templet supported by said arms, an idle follower disc supported adjacent to the templet against which the templet rotatably engages oscillating the bearings, a chuck mounted on one end of the barrel to which the work is secured, means for rotating the barrel and work, and a cutting tool mounted adjacent to the work against which the work moves cutting the work to conform to the shape of the templet.

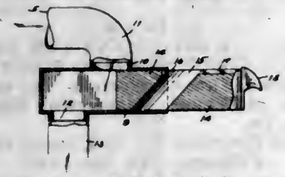
2,559,177
PLASTICIZED POLYVINYL RESIN COMPOSITIONS
David E. Terry and Donald H. Wheeler, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application May 1, 1950, Serial No. 159,378
9 Claims. (Cl. 260—30.4)

1. A polyvinyl ester resin composition plasticized with an ester of a higher fatty acid containing from 8 to 22 carbon atoms, the higher fatty acid group containing an epoxy group, the alcohol group of the ester being selected from the group consisting of aliphatic alcohols, cycloaliphatic alcohols, aryl alcohols, and aralkyl alcohols.

2,559,178
SELF-EMPTYING ASH TRAY FOR MOTOR VEHICLES
James D. Thompson, West Medford, Mass.
Application November 4, 1949, Serial No. 125,546
2 Claims. (Cl. 206—19.5)

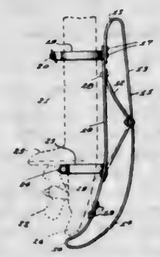
1. In an ash tray, a housing, an air inlet pipe connected with the housing through which a blast of air is directed to the housing, said housing having an outlet opening offset with respect to the air inlet pipe through which air passes from the housing, a tray slidably mounted within the housing, said tray having an opening extend-

ing diagonally therethrough, said opening of the tray forming a receiving compartment into which ashes are deposited, when the tray is extended beyond the front end of the housing, exposing the



opening of the tray, said tray being movable into the housing, the ends of the openings of the tray communicating with the openings of the housing whereby a blast of air directed through the openings blows the ashes from the tray.

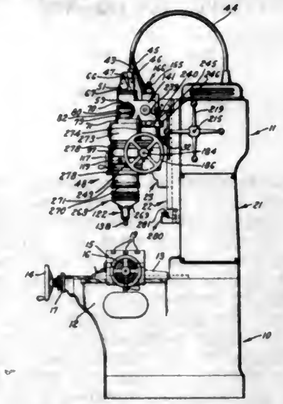
2,559,179
PROPELLER GUARD FOR OUTBOARD MOTORS
William W. Keysling Van Nort, Cabin John, Md.
Application January 20, 1950, Serial No. 139,594
4 Claims. (Cl. 115—42)



1. An outboard motor guard comprising a frame including an elongated bar having a slight longitudinal curvature, a first clamp band secured to said bar at one end of the latter for embracingly engaging an outboard motor housing at a location on the housing, spaced above the propeller, a second clamp band secured to said bar intermediate the length of the latter for embracingly engaging an outboard motor housing below said first clamp band, an elongated strap of resilient material provided with recurved end portions secured at one end to said bar at said one end of the latter and secured at its other end to said bar at the other end of the bar, the recurved end portions of said strap extending beyond the corresponding ends of said bar with one of said recurved end portions extending to the side of said bar opposite the intermediate portion of said strap and the intermediate portion of said strap being substantially parallel to said bar, and a spring disposed between said bar and the intermediate portion of said strap.

2,559,180
JIG GRINDER
Frederick C. Victory, Milford, Conn., assignor to Moore Special Tool Co., Inc., a corporation of Connecticut
Application August 22, 1950, Serial No. 180,716
26 Claims. (Cl. 51—43)

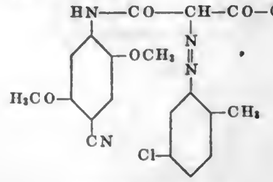
1. In a machine tool, a base, a table supported on said base for adjustment in a horizontal plane, a column on said base at one side of said table and extending above the latter, a tool head including a vertical main spindle, means mounting said tool head on said column for reciprocation thereon above said table, means for vertically reciprocating said main spindle relative to said column, a tool holder on the lower end of said spindle and radially adjustable relative thereto, means for rotating said tool holder independent of said spindle and about its own axis, a motor



in said column, a drive from said motor to said spindle, and said drive including a flexible shaft having one end driven by said motor and then extending through the upper end of said column and looped upon itself and having its other end portion connected to drive said spindle.

2,559,181
AZO DYES PRODUCED BY COUPLING A DIAZONIUM COMPOUND WITH 4-CYANO-2,5-DIALKOXYACETOACETANILIDES
William H. von Glahn, Loudonville, and Herman A. Bergstrom, Albany, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Original application August 22, 1947, Serial No. 770,190. Divided and this application September 20, 1947, Serial No. 775,376
5 Claims. (Cl. 260—193)

5. The azo dye of the following formula:



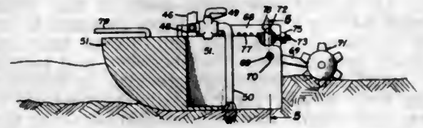
2,559,182
AUTOMOBILE JACK
John E. Adams and George E. Wagner, Los Angeles, Calif.
Application January 28, 1946, Serial No. 643,892
8 Claims. (Cl. 254—1)



1. A jack for an automobile having an axle and a tire, comprising a jack body including means for engaging the under side of said axle

and lifting the same, and means for transmitting lifting power to said lifting means, comprising an element attached to said jack body and extending transversely thereto, a second element attached to said first mentioned element and extending transversely thereto, and a handle at the end of said second mentioned element opposite said first mentioned element, said second mentioned element being adapted to engage the rear side of said tire and being so related to said jack body that when in such engagement it will accurately locate the position of said jack body in centered relation below said axle, and said handle being arranged to be located in a predetermined relation to the outer side wall of said tire and to thereby properly locate said jack body longitudinally of said axle the length of said second mentioned element being not substantially greater than twice the width of the tire, whereby the positioning of said jack with said handle having substantially knuckle clearance with relation to the outer side of said tire may function to dispose said jack just sufficiently spaced from the inner side of said tire to provide for clearance of impedimenta on said axle adjacent said tire, whereby to provide maximum accuracy of automatic positioning of said jack body beneath said axle through the engagement of the tire tread by said second member.

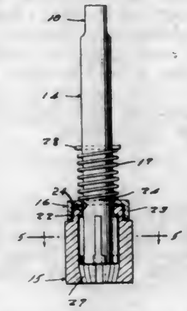
2,559,183
TRANSPLANTER DRILL SET
Lawton L. Barnett, O'Brien, Fla.
Application December 10, 1946, Serial No. 715,154
2 Claims. (Cl. 111—85)



1. In a transplanter, a unitary furrow opening and closing assembly comprising a furrow opening shoe having a bifurcated rear end defining rearwardly extending furcations, a combined furrow closing and soil packing means comprising a substantially U-shaped bail member having rearwardly extending legs connected by a generally horizontal bight portion, rollers carried at the free ends of the legs, a plate spaced to one side of one of the furcations, said plate having its forward portion inturned and secured to the shoe, said furcations and plate having aligned openings, the bight portion of the bail member being journaled in said openings, said bight portion having a crank formed therein between said one furcation and the plate, and resilient means disposed between said one furcation and the plate and between the forward inturned portion of the plate and the crank for urging downward swinging movement of the legs and the rollers carried thereby.

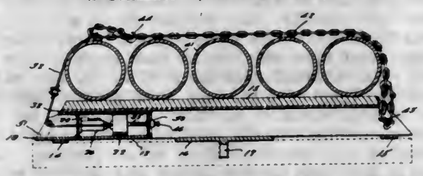
2,559,184
EXPANSIBLE REAMER FOR MAKING DOVETAIL HOLES
Matthew S. Bencur, Pulaski, N. Y.
Application November 4, 1947, Serial No. 783,923
1 Claim. (Cl. 145—124)

A reamer comprising a cylindrical shank having a head on one end and annularly spaced longitudinal splines on the opposite end portion thereof, each of said splines comprising a straight portion and a key portion at the outer end of the straight portion having radially outwardly diverging side edges, a plurality of bits equal in number to the number of splines on said shank each comprising a cylindrical sector with a convex outer and a concave inner face and having in its inner face a longitudinal groove receiving a corresponding spline and opening to one end of the bit, each groove being undercut to receive the corresponding spline key and having its bottom surface inclined inwardly adjacent said one end of the bit to force the corresponding ends of said bits outwardly when said keys are moved along the inwardly inclined portions of the grooves, said grooves terminating short of the other ends of the corresponding bits to provide shoulders respectively overlying the adjacent ends



of the splines, and the outer surfaces of said bits being annularly inclined to expose a cutting edge at one side of each bit, a cap having an aperture receiving said shank and an annular flange surrounding said bits at said other ends of the latter, said cap and said spline keys holding said bits in operative assembly with said shank, an abutment on said shank spaced from said bits, and a compression spring surrounding said shank between said abutment and said cap holding said cap in engagement with said bits and resiliently urging said bits longitudinally of said shank to hold the bits in their contracted condition, said bits being moved to their expanded condition by forcing said shank longitudinally outwardly of said bits against the force of said spring.

2,559,185
LOAD BINDER
Ernest J. Carroll, Ada, Okla.
Application April 26, 1949, Serial No. 89,730
2 Claims. (Cl. 280—179)



1. A load-binder device comprising a tubular housing attachable to a load-carrying vehicle to extend transversely of the vehicle, two transverse partitions in said housing disposed near respectively opposite ends of the latter, a hollow piston slidably mounted in said housing and having spaced-apart end walls, a manually-operated jack interposed between said piston and one of said transverse partitions for forcibly moving said piston in one direction in said housing, said one transverse partition having two apertures there-

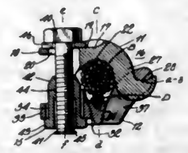
in at respectively opposite sides of said jack, a chain-engaging loop extending through said partition apertures and out of said housing at one end of the latter, said loop being secured at one end to said piston and movable inwardly of said housing upon movement of said piston by said jack, a roller transversely journaled in said housing near the outer side of said one partition and providing a sheave for said loop, the other of said partitions having a central aperture therein, a screw shaft secured at one end to said piston concentrically of the latter and extending through the central aperture in said other partition, means including a nut threaded on said screw shaft to bear against the outer side of said other partition to releasably lock said piston in positions to which it is moved by said jack, and chain anchoring means carried by said vehicle at the side of the latter opposite said housing, said anchoring means and said chain engaging loop being effective to tighten a load binding chain extending transversely of the vehicle and secured to said anchoring means and said loop at respectively opposite sides of the vehicle.

2,559,186
POTATO MASHER
Clyde M. Caylor, Camden, Tenn.
Application April 14, 1950, Serial No. 156,023
1 Claim. (Cl. 146—213)



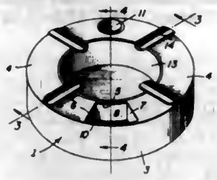
A foldable potato masher comprising a handle, a pair of resilient legs secured in said handle and projecting divergently from one end of the latter, each of said legs having a laterally projecting arbor portion on the end thereof remote from said handle, each projecting in a direction away from the other leg, a grating of rectangular shape, and lugs secured to said grating one at each end thereof and projecting in the same direction from said grating, each of said lugs being of substantially circular shape and having therein a substantially central aperture pivotally receiving the corresponding arbor portion, each of said lugs also having in the side thereof adjacent the corresponding leg, a first groove of triangular cross-sectional shape extending substantially diametrically of the lug across the aperture therein and substantially parallel to said grating, and a second groove of rectangular cross-sectional shape extending from said aperture in a direction away from said grating and substantially perpendicular to said first groove, the arbor portion of the corresponding leg being rotatably received in said aperture and said first groove releasably receiving the portion of the associated leg adjacent said arbor when said grating is turned to a position substantially parallel to said legs to releasably hold said grating in such parallel position, and said second groove receiving the portion of the corresponding leg adjacent said arbor and when said grating is disposed substantially perpendicular to said leg to lock said grating in said perpendicular position, said legs being removable from the second grooves in the corresponding lugs to release said grating for movement to said parallel position by manually pressing said legs together.

2,559,187
LINE FIT CONNECTOR
Jerome B. Clapp, North Plainfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application January 14, 1946, Serial No. 641,068
2 Claims. (Cl. 173—273)



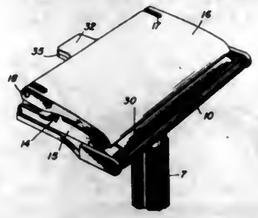
1. A compact clamp for squeezing together under screw load two parallel conductors of different sizes, comprising a pair of rugged arch-shaped castings forming opposing and superposed clutch jaws, each jaw reduced in cross section of material to form at one end an outstanding bolting flange and at its other end provided with an angled extension, both of the bolting flanges having their outer faces recessed to provide outstanding parallel reinforcing side walls forming bearing faces therebetween and forming nut stops, said extensions provided at their free ends with means for hingedly connecting the jaws, said bolting flanges provided adjacent their free forward ends with aligned bolt holes, a bolt passing loosely through the bolt holes and having a head for imposing a load on the bearing face of the upper flange, and a long nut threaded on the bolt, having a head contained between the associated stop walls for imposing a load on the bearing face of the lower flange, extending through its bolt hole towards the upper flange, the upper flange provided on its under side and in close relation to its bolt hole with an inverted U-shaped depression whose crotch forms a downwardly facing channel of relatively large radius and whose sides are widely diverging from each other, the lower flange provided on its upper side and in close relation to its bolt hole with a deep recess whose crotch forms an upwardly facing groove of relatively small radius and whose sides are widely diverging, said recesses providing a space between the channel and groove for receiving the conductors, the lower flange provided between its groove and bolt hole with an upstanding reinforcing front wall of half-barrel form open at its outer side and in which barrel the nut loosely fits and projects above the same, the upper flange provided with a mutilated front wall forming a pair of depending arms spaced apart on opposite sides of its bolt hole and the space outwardly between the depending arms and outwardly of the upstanding half-barrel front wall coacting to provide a clearance for the nut as it may be moved into the same by the rocking of the bolt, said half-barrel front wall fitted between the depending arms of the mutilated front wall, said half-barrel front wall, nut and depending arms outlining the forward side of the recesses forming said conductor-receiving space, and the two angled extensions outlining the rear side of the recesses forming said conductor-receiving space.

2,559,188
COMBINED ASH TRAY AND EXTINGUISHER
Fred N. Durbin, Cairo, Ill.
Application May 5, 1948, Serial No. 25,159
2 Claims. (Cl. 131—236)



1. In an ash tray, a water container including a base plate, a pair of annular and inner side walls, respectively, rising from said base plate in spaced relation, a top bridging said side walls and having an opening therein, a pair of transverse walls in said container at opposite sides of said opening forming with said opening, side walls and plate an open top well in the container, one of said transverse walls having an opening therein at the bottom of said well for admitting water from the container into said well for extinguishing cigarettes dipped into said well, an ash receptacle telescopically fitted in the inner wall, and cigarette rests on said ash receptacle extending across said top of the water container.

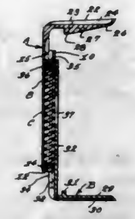
2,559,189
SAFETY RAZOR
Ramon A. Griffin, Oklahoma City, Okla.
Application May 10, 1948, Serial No. 26,109
4 Claims. (Cl. 30—46)



1. A safety razor comprising a head, a blade holder mounted for transverse sliding movement on the head and including upper and lower blade clamping plates hingedly connected to each other, a locking plate having wedging engagement between the plates at their hinged edges to lock the plates in closed position, and a traction roller journaled at the front edge of the head for rotation by a movement of the razor in a shaving action, said roller comprising a cam surface on each end, and a pin mounted on each end of said blade holder and engageable with said cam surface to reciprocate said blade holder upon rotation of said roller.

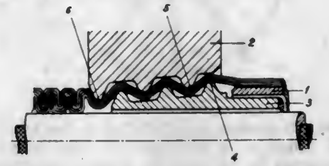
2,559,190
CAN HANDLE
Harold H. Hallstream, Waquoit, Mass.
Application July 27, 1948, Serial No. 40,843
2 Claims. (Cl. 294—34)

1. A detachable handle for a can whose top and bottom have rim flanges, said handle comprising an upper section having a lateral arm to engage over the can top, a lower section having a lateral arm to engage under the can bottom, connecting means slidably interconnecting said upper and lower sections for vertical movement relative to each other, and expanding spring means compressed between portions of said upper and lower sections and normally urging said arms toward each other so as to press against the



top and bottom of the can, the lateral arm on the lower section being right angular with respect thereto and substantially planar, and the lateral arm on the upper section being formed in its underside with a forwardly inclined portion to act as a cam for elevating said upper section relative to said lower section against the resistance of said spring means to facilitate placement of the upper arm on the can top.

2,559,191
DEVICE ON MACHINES MANUFACTURING ENDLESS CABLE CASINGS
August Carl Hussnigg, Zurich, Switzerland
Application January 18, 1945, Serial No. 573,410
In Switzerland September 14, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 14, 1963
7 Claims. (Cl. 93—80)

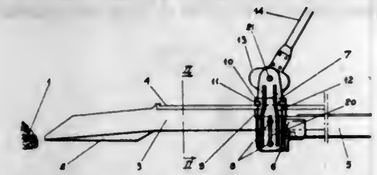


1. In a device of the type described for manufacturing spirally grooved endless cable-casings from strip material, a grooving nut and a grooving worm mounted concentrically within the nut and spaced therefrom for the passage of the casing material, said nut provided with an internal thread and said worm with an external thread, the diameters of said threads being tapered relative to the common longitudinal axis of the nut and the worm toward the discharge ends of the nut and the worm.

2,559,192
EXTENSIBLE RECIPROCATING CONVEYER
André Jarige, Freyming, France, assignor to Societe Porte & Gardin, Pas de Calais, France, a corporation of France
Application September 22, 1948, Serial No. 50,588
In France October 1, 1947
5 Claims. (Cl. 198—14)

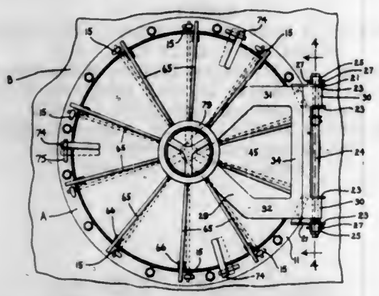
1. In a conveyor structure having a reciprocating conveyor and an extensible shovelling conveyor extending from one end of said reciprocating conveyor; a clamping device for binding said conveyors together comprising a longitu-

dinal slide member extending from one of said conveyors, a carrying member mounted on the other of said conveyors, a pair of spaced apart clamp blocks on said carrying member disposed on opposite sides of said slide member, one of said clamp blocks being fixed on said carrying member and the other of said clamp blocks being



movable towards and away from said fixed clamp block, a cam member mounted on said carrying member and adapted to engage said movable clamp block and move the latter towards said fixed clamp block for clamping said slide member therebetween, and means for operating said cam.

2,559,193
CABINET DOOR
Eugene J. Le Claire, St. Paul, Minn., assignor to Harry F. Joesting, St. Paul, Minn.
Application July 16, 1945, Serial No. 605,290
1 Claim. (Cl. 220—57)

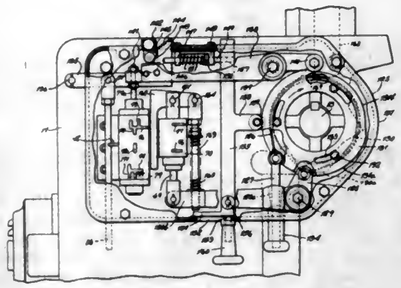


A pressure cooker comprising a body having an aperture therein, a closure for said aperture, a hinge secured to said body, means rotatively securing said closure to said hinge, a shaft projecting from said closure, a cross head threadably engaged upon said shaft, a series of radially extending levers pivotally secured to said closure, said cross head being hollow and having slots therethrough into which one end of each of said levers may extend, means on said body engageable with the other end of each of said levers, and ring means longitudinally slidable on said cross head and secured to said cross head in adjusted position for simultaneously adjusting the fulcrum point between the cross head and said levers.

2,559,194
TEA SIRUP AND PROCESS FOR MAKING SAME
Marion Lindsey, Corpus Christi, Tex.
No Drawing. Application January 12, 1949, Serial No. 70,587
9 Claims. (Cl. 99—77)

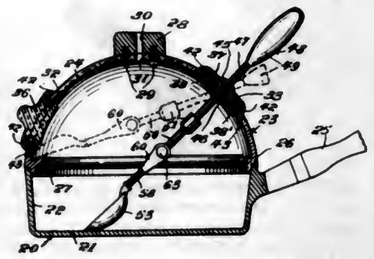
1. A tea syrup comprising, concentrated aqueous tea extract in admixture with glucose and sucrose sugars, said sugars being present in total amount from about 8.3 to about 10.7 pounds per gallon of said extract, and the ratio of said glucose to said sucrose being within a range of about 3 parts glucose to 5 parts sucrose through about 5 parts glucose to 3 parts sucrose.

2,559,195
CONTROL FOR PRESSES
Thomas Lestler May, New York, N. Y., assignor to Reliance Hydraulic Press, Inc., New York, N. Y., a corporation of New York
Application December 11, 1945, Serial No. 634,155
9 Claims. (Cl. 192—144)



1. In a punch press having a crankshaft, a pivoted arm, a manually actuated pivoted rocker, interengaging means on said arm and rocker for effecting rotation of said rocker upon rotation of said arm, a rotatable cam connected with said crankshaft, and means actuated by said cam for rendering inoperative said interengaging means to permit limited rotation of said rocker independent of said arm.

2,559,196
TIME SAVER FRYING PAN LID
Nicholas J. Medved, Bellevue, Pa.
Application July 12, 1950, Serial No. 173,414
3 Claims. (Cl. 259—116)



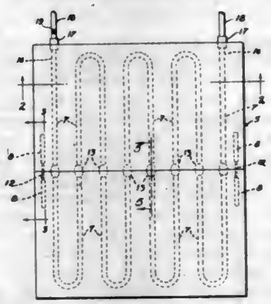
1. In combination, a frying pan including an annular side wall, a lid comprising a curved transparent body, a handle secured to the top of said body, there being registering vents in said handle and body, the lower portion of said body being provided with a cutout for snugly receiving therein the upper edge of said side wall, there being a pair of spaced openings in said body, a closure plug projecting through one of said openings, a support member projecting through the other of said openings, a ball rotatably supported by said support member, a utensil slidably projecting through said ball, an annular ledge projecting inwardly from said body and adapted to support said utensil when the utensil is not being used, and spring pressed detents for maintaining the closure plug and support member immobile on said body.

2,559,197
RELEASABLE MANUAL CONTROL
Calhoun Norton and Philip O. Hooker, Chicago, Ill., assignors to Arens Controls, Inc., Chicago, Ill., a corporation of Illinois
Application August 4, 1945, Serial No. 608,980
15 Claims. (Cl. 74—503)



1. A control mechanism comprising a frame member, an operating member longitudinally reciprocable with respect to the frame member and adapted to be connected to a device to be controlled, a control handle operatively connected to the operating member for effecting its actuation, and locking means including a freely mounted roll and a cooperative symmetrically formed cam surface for releasably locking the operating member from movement in respect to the frame member, said locking means being controlled by a rotary movement of said control handle.

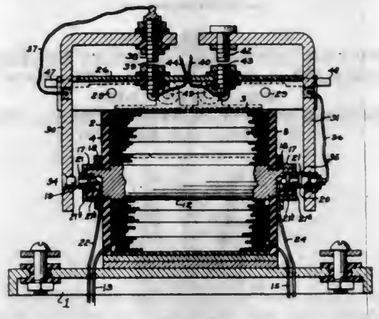
2,559,198
FLOOR CONSTRUCTION
Wilbert F. Ogden, Pittsburgh, Pa.
Application March 26, 1946, Serial No. 657,086
4 Claims. (Cl. 257—124)



3. A floor construction comprising a plurality of sections, each section having an edge, tubes secured to each of said sections for conducting fluid through the sections, bores in said tubes and having bevelled portions at the ends thereof, sleeves which are substantially elipsoidal in form, the ends of said sleeves being disposed in confronting bevelled portions at said edges of said sections, means carried by said sections adjacent but spaced from said edges of said sections for attaching said sections and for pulling said sections together to thereby lock the ends of said sleeves in the bevelled portions of said tubes, and each section being provided in the underside and between the tubes thereof with air conducting channels which communicate with each other when said sections are fixed together by said attaching means to constitute air insulation means.

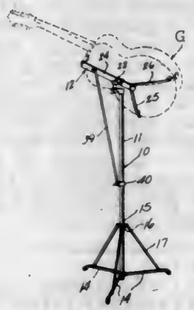
2,559,199
PLURAL ARMATURE RELAY
Hubert Perkins, Columbia, S. C.
Application November 26, 1948, Serial No. 62,015
2 Claims. (Cl. 200—103)

1. In a relay as described, the combination with a magnetic frame, a first pair of spaced switch contact terminals mounted on the frame, a pair of spaced armatures each having two arm portions, each of said armatures having insulated trunnions journalled in the frame, a conducting member carried by at least one trunnion of each armature, a conducting brush pivotally mounted in position for contact with each conducting member, and resilient means for retaining the brushes in contact with the conducting members, an electromagnetic coil having an enclosed core rigid with the frame, a second pair of switch contact



terminals mounted at the ends of the core, said armatures being positioned so that one armature has an arm portion over-lying the other end of the core, and complementary switch contacts mounted in the lower ends of the arms, and a pair of circuit breaking contacts mounted on a second arm portion of each armature for coaction with the stationary switch contact terminals on the frame.

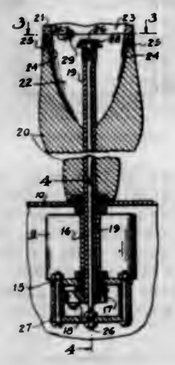
2,559,200
GUITAR STAND
Leonard E. Schaf, Detroit, Mich.
Application October 25, 1949, Serial No. 123,475
1 Claim. (Cl. 84—267)



In a guitar stand, a vertical pedestal, a horizontal arm fixed on the upper end of the pedestal and extending laterally from one side of said pedestal, a ball fixed on and rising above said horizontal arm, an elongated base having a socket on its under side enclosing said ball whereby said base can be swiveled on said ball relative to said pedestal, said socket being located at a point intermediate the ends of said base, said base occupying a generally horizontal position across the upper end of said pedestal in line with said horizontal arm and reaching beyond opposite sides of the pedestal, a vertical strut on the same side of said pedestal as said horizontal arm, said strut having an upper end fixed to said base at a point between said socket and the adjacent end of the base and a lower end, a collar frictionally embracing a lower part of said

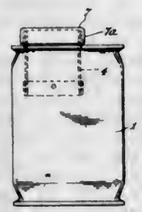
pedestal and adjustable vertically therealong to which the lower end of said strut is pivoted, a guitar neck cradle on said adjacent end of the base, and a pair of arms pivoted at one end on the opposite end of said base, said arms being pivoted on vertical axes to swing laterally with respect to said base and to normally occupy positions at opposite sides of the base, and upstanding fingers on the opposite ends of said arms.

2,559,201
MOTOR ACTUATED DISPLAY FIGURE
Abraham Abbot Schy and Stuart Theodore Schy, Los Angeles, Calif.
Application October 10, 1949, Serial No. 120,462
1 Claim. (Cl. 46—120)



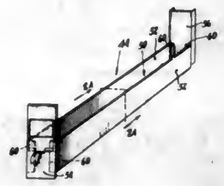
In a motor actuated display figure or toy, a housing, a vertically disposed tubular shaft mounted for rotation in said housing and projecting upwardly therefrom, motor driven means within the housing for driving said tubular shaft first in one direction and then in the other, a fixed shaft extending through said tubular shaft, a body representing member secured to said tubular shaft above said housing, said body representing member being formed in two detachably connected parts, a horizontal shaft journalled between said parts, a pinion secured intermediate the ends of said horizontal shaft, a pinion secured to the upper end of said fixed vertical shaft and meshing with the pinion on said horizontal shaft and a simulated accessory mounted on the forward end of said horizontal shaft in front of said body representing member.

2,559,202
LIQUID CONTAINER WITH EXTENSIBLE SPOUT
Louise A. Sherry, New York, N. Y.
Application April 14, 1949, Serial No. 87,398
2 Claims. (Cl. 229—7)



1. A liquid beverage package container comprising a waxed paper box for containing the beverage and having a flat top portion with a circular hole therethrough in which a waxed paper cylindrical pouring spout is press-fitted in a retracted position so it may be extended and with the wax of said portion and of said spout cohering to form a liquid-tight seal that may be broken by the ultimate user when extending said spout for use, the paper of said portion and of said spout being elastically flexible so that the periphery of said hole in said top portion pressingly engages the outer surface of said cylindrical spout when the spout is extended forming a substantially liquid-tight joint.

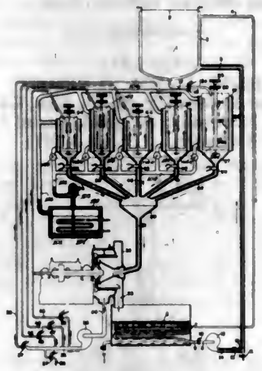
2,559,203
FILING CABINET
Edwin C. Weiskopf, New York, N. Y.
Application March 13, 1945, Serial No. 582,521
2 Claims. (Cl. 312—346)



1. In a cabinet comprising a frame having a bottom wall and a plurality of longitudinal guides secured to said bottom wall in laterally spaced relation thereon, each of said guides having a pair of oppositely extending lateral flanges spaced upwardly from the surface of said bottom wall, a drawer slidably mounted in said frame for movement into and out of the cabinet, said drawer comprising a bottom disposed over a plurality of said flanges and having depending vertical side edge portions adjacent the outer edges of said flanges, respectively, and plane side walls extending uninterruptedly upwardly of said drawer bottom and secured to said depending portions, whereby the usable surface of said bottom extends directly to said side walls, said side walls having integral inturned lateral portions extending toward each other in position below said drawer bottom, said inturned portions being positioned between said bottom wall and oppositely extending flanges, respectively, and cooperating with said flanges for guiding the drawer in its movement into and out of the cabinet frame.

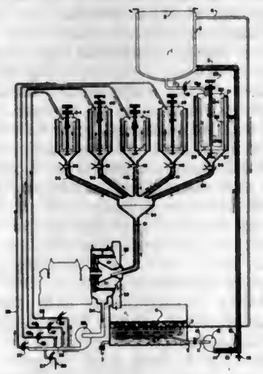
2,559,204
METHOD OF FREEZE DEHYDRATION OF LIQUID BEARING SUBSTANCES
Elwood Paul Wenzelberger, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application July 25, 1949, Serial No. 106,576
7 Claims. (Cl. 62—170)

1. In a method of dehydration, moving a liquid bearing solids by stages through progressive stages of lowering temperature, applying a refrigerant at each stage at a differential of temperature between the refrigerant and the initial freezing temperature of the liquid at the respective stages that is approximately the same at each stage, establishing the temperature at each stage at an amount lower than the preceding stage approximately equal to said differential, and removing from the liquid the solvent crystals



formed in each stage before passing the liquid bearing the solids to the next stage.

2,559,205
METHOD OF FREEZE DEHYDRATION OF LIQUID SUBSTANCES
Elwood Paul Wenzelberger, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application December 13, 1949, Serial No. 132,641
3 Claims. (Cl. 62—124)



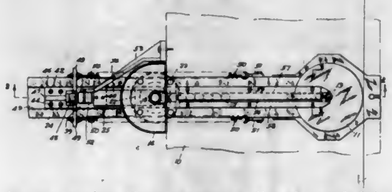
1. In a method of dehydration, moving a liquid bearing solids by stages through progressive stages of lowering temperature, applying a refrigerant at each stage at a differential of temperature between the refrigerant and the initial freezing temperature of the liquid at the respective stages that is the same at each stage, establishing the temperature at each stage at an amount lower than the preceding stage approximately equal to said differential, retaining each stage under refrigeration at a constant temperature level at the low temperature differential established thereon thereby continuously forming solvent crystals therein until the freezing temperature of the liquid being cooled approximates the temperature of the refrigerant applied to the liquid whereat crystal formation ceases, and removing from the liquid the solvent crystals formed in each stage before passing the liquid bearing the solids to the next stage.

2,559,206
SCREW DRIVER HAVING EXPANDIBLE BIT PORTION
William F. Wienholtz, Elgin, Ill.
Application March 14, 1947, Serial No. 734,758
1 Claim. (Cl. 145—50)



In a combined screw driver and screwholder, a shank having a handle at one end, the other end of said shank being formed into a screw-engaging bit portion, a split in said portion providing a pair of resilient jaws that in normal position are in contact with each other, said split converging upwardly into the shank from a central point and converging downwardly into said jaws from the same point a wedge positioned in the split in said shank, said wedge having the narrow edge thereof extending upwardly in said split and being movable in said split in either direction, a knurled ring surrounding said shank at a point above said split, and a pair of rods extending along the opposite sides of said shank with the lower ends of said rod secured to the opposite ends of the wedge and the upper ends of the rods secured to said knurled ring, and connecting said wedge and knurled ring for simultaneous movement whereby when said knurled ring is moved along said shank, said wedge is moved along said split in either direction, thereby spreading said jaws to move them into contact with the sides of the slot in the slotted head of a screw.

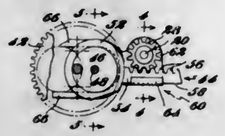
2,559,207
EXTRUDING PRESS
Anthony F. Wnuk, Brooklyn, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application July 24, 1946, Serial No. 686,015
4 Claims. (Cl. 207—6)



1. In an extruding press, a fixed upright slug-delivering pipe adapted to hold a stack of slugs, a horizontally reciprocating slide for advancing one slug at a time from the bottom of the stack to a predetermined point spaced from the stack a distance greater than the stroke of said slide, said stroke being slightly greater than the diameter of the pipe, a horizontal runway between the stack and said point, in which runway the

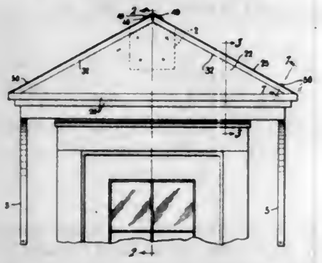
slugs advanced by the slide accumulate in a row and slide as a unit on the addition of a slug to the beginning of the row by the slide, a pin depending from the runway and a bracket pivotally supporting the pin whereby the runway is adjustable about the pin in a horizontal plane, serrated means at the end of the slide for preventing oil-adhesion of the slug to the slide, and a spring brake in the runway arranged to engage and to resist movement of a plurality of slugs nearest said point to prevent the last slug of the row from overrunning said point.

2,559,208
WINDSHIELD WIPER MECHANISM
Louis Zaiger, Swampscott, Mass.
Application November 29, 1949, Serial No. 129,989
8 Claims. (Cl. 74—78)



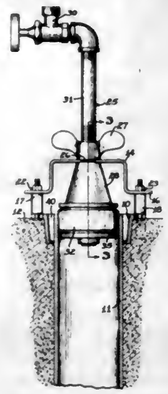
1. In a wiper motor, a wiper blade shaft, a pinion fixed thereto, a rack bar meshing with the pinion and having reciprocating linear and angular movement relative to the pinion for effecting oscillation of the pinion, means operably connecting the rack bar to the motor for effecting movement of the rack bar, a keeper, guide means on the keeper slidably engaging the rack bar for holding the rack and pinion in mesh, the keeper engaged portion of the rack bar being situated between said guide means and the pinion, means operable independently of the rack bar for moving the keeper angularly in timed relation to the angular movement of the rack bar so that the slidably engaged portions are parallel throughout the relative movement of the rack bar and pinion and means operably connecting said last-named means to the motor for effecting operation thereof.

2,559,209
PREFABRICATED CANOPY
Sterling W. Alderfer and Frank R. Thompson, Akron, Ohio, assignors, by mesne assignments, to The Falls Stamping and Welding Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application November 27, 1946, Serial No. 712,650
5 Claims. (Cl. 20—57.5)



2. A prefabricated canopy adapted to be attached a building, said canopy having two sloping metal plates with edges connected together to form a peaked roof, flanges depending from the rear edges of the plates, anchor means adapted to be attached to the building wall and provided with recesses receiving the said flanges, and permanent brackets attached to the lower side edges of the canopy and adapted to be attached to the wall of the building.

2,559,210
RING FORM SUPPORT
Edwin J. Bradley, Santa Ana, Calif.
Application November 26, 1946, Serial No. 712,429
3 Claims. (Cl. 29—287)



3. The combination in an arrangement for use in accurately assembling a plumbing fixture fastening member in a fixed aligned position around a soil pipe comprising, a strap member of generally inverted U-shaped form having an open ended alongated slotted portion in its central region, said slotted portion extending generally transversely to the longitudinal axis of said strap member, a pair of ears formed integral with said strap member and extending longitudinally thereof, a device arranged to releasably engage the internal wall of said soil pipe to self-support itself on said soil pipe, means incorporated in said device releasably clamping said central slotted portion, and clamping means for releasably clamping said fixture member to said pair of ears to thereby support said fixture member solely by the engagement of said device with said internal wall, said device comprising: a hollow externally screw threaded pipe, a first clamping member slidably mounted on said pipe, a second clamping member affixed to said pipe, an annular resilient gasket encircling said pipe and disposed between said first and second clamping members, a nut mounted on said threaded pipe arranged upon tightening to move said slidable clamping member towards said second clamping member to thereby squeeze said annular gasket against the internal wall of said soil pipe to thereby secure the device to the said internal wall of the soil pipe, said slotted portion being of greater width than the diameter of said threaded pipe and being clamped between said nut and said first clamping member.

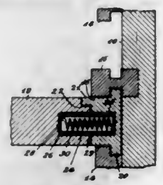
2,559,211
BRACELET CALENDAR
Mates Brunengraber, Berlin-Mariendorf, Germany
Application February 23, 1949, Serial No. 77,965
In Germany October 1, 1948
1 Claim. (Cl. 40—111)

In a known combination of a manually adjustable calendar with a bracelet watch roller-shaped carriers for the calendar indicia forming the end members of the bracelet band, cylindrical casings housing said roller-shaped carriers, means at the end of said carriers to rotate said carriers within said casings, frames at both ends of said casings, said frames being rotatably connected with said watch, integral resilient projec-



tions at the inner walls of said casing, an equal number of recesses in the surface portion of said carriers for cooperation with said projections to stop the carriers in predetermined positions, calendar indicia on said carriers and windows in said casings to render said indicia visible in the stop position of the carriers.

2,559,212
WINDOW
Raymond J. Dilg, Bronx, N. Y.
Substituted for abandoned application Serial No. 234,236, November 18, 1927. This application February 5, 1948, Serial No. 6,366
4 Claims. (Cl. 20—49)



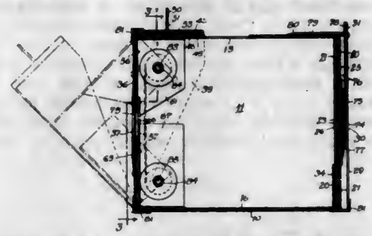
1. A window construction including a channeled frame, slide plates guided for vertical movement in the channels of the frame, a sash arranged between the slide plates, means pivotally connecting the sash to the slide plates and also causing the sash to move with said plates, said means comprising tubes whose ends are pocketed in registering sockets in the sash and plates, said sockets having liner caps therein providing bearings for the tubes and anchored to the sash and plates, and expansion springs housed in the tubes and anchored to said caps, thereby urging the slide plates into tight engagement with the frame, and also resisting opening pivotal movement of the sash.

2,559,213
METHOD FOR PRODUCING METALS IN BLAST FURNACES
Emil Edwin, Oslo, Norway
No Drawing. Application March 17, 1948, Serial No. 15,495. In Sweden April 3, 1947
1 Claim. (Cl. 75—41)

In a method of producing pig iron in a blast furnace which includes charging into the furnace a mixture of iron ore and coke, the improvement which comprises blowing into the melting zone of the furnace a heated oxidizing blast which is at a temperature of about 2000° C. and which consists essentially of oxygen and nitrogen, the oxygen being present in an amount sufficient to render the blast oxidizing and not more than 21 per cent by volume.

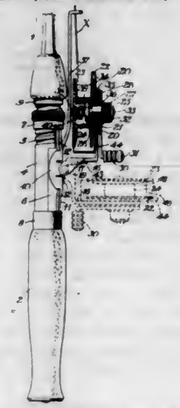
2,559,214
COLLAPSIBLE CAMERA
Jacob Fried, Bronx, N. Y.
Application May 20, 1948, Serial No. 28,147
2 Claims. (Cl. 95—11)

1. A camera comprising top, bottom, and side walls formed and folded from one piece of material, interlocking laterally extending integral flaps closing the front end thereof, a flap integrally connected to one of said walls, a pinhole sheet supported on said last-mentioned flap, and a closure flap having an opening to admit light to the pinhole and being pivotally connected to another wall and swingable in an adjacent plane



to the other flaps, the top of said last-mentioned flap having a projecting ear with an aperture therein, and a pin extending through said aperture and extending across the top of the camera and means to fasten said pin in position to hold said flaps in operative relation, all of said flaps having aligned openings therein.

2,559,215
CASTING REEL
Eugene Funk, Preston, Nev.
Application May 18, 1948, Serial No. 27,739
4 Claims. (Cl. 242—84.5)

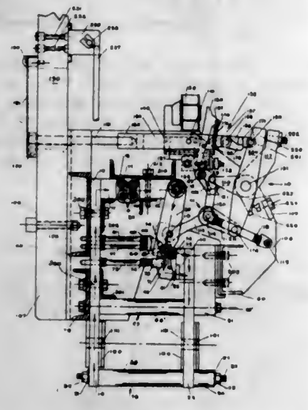


1. A convertible casting and spinning reel, comprising a base attachable to a rod; a bracket pivotally mounted on said base and having a bearing washer therein; a reel spool on one side of said bracket, and a handle member on the opposite side of said bracket; and a bolt fixed to said spool and having a square portion passing through said bearing washer and handle member; friction members interposed between said reel spool and handle member; and a tension nut on the outer end of said bolt for regulating the friction between said friction members, reel spool and handle member respectively.

2,559,216
CIRCUIT MAKER
Otto Jensen, Malvern, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 20, 1945, Serial No. 589,344
1 Claim. (Cl. 200—87)

In a circuit maker having a fixed contact and a movable contact, said movable contact being

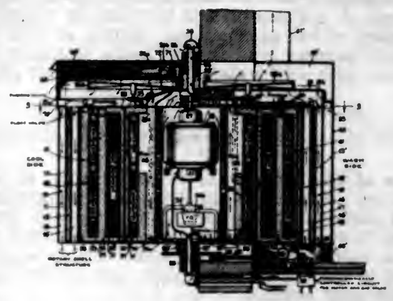
movable with respect to the other, a main movable arm carrying said movable contact and having a first position in which said contacts engage and having a second position in which said contacts disengage, said main movable arm being movable from its second to its first position, studs providing a current path to said movable arm and its contact and to the other of said contacts, said current path from one of said studs to said arm and through the other contact to the other stud forming a loop circuit, said movable arm in its contact open position being within said loop and having a path of movement about its fixed pivot when moving from its contact open to its contact engaging position, which path of move-



ment is continuously within said loop and toward completion of said loop and a closing mechanism for applying a force for moving said movable arm in a direction from the second contact disengaged position within said loop toward the first contact engaging position at said loop, the magnetic forces on said main movable arm, due to the current flowing in said circuit maker, on engagement of said contacts being in the direction to drive said main arm toward said loop completion position and in the same direction as the forces of said closing mechanism which together with the magnetic forces are acting simultaneously to maintain the movable arm in contact engaging position.

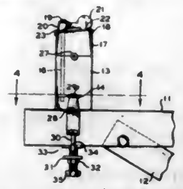
2,559,217
AIR-CONDITIONING APPARATUS
Arthur H. Kehoe, Rutherford, N. J., assignor to Consolidated Edison Company of New York, Inc., New York, N. Y., a corporation of New York
Application April 1, 1949, Serial No. 84,917
14 Claims. (Cl. 62—129)

1. Air conditioning apparatus comprising in combination, a rotatable shell structure, means for mounting and gradually rotating same about a central axis adapted to be located along a partition or the like which confines the space to be air conditioned, and whereby the arcuate path of each portion of said structure will be partly inside and partly outside the partition, means providing extensive radiating surfaces mounted around within the peripheral portions of said shell structure and rotatable therewith, container means for two separate bodies of heat transfer fluid extending respectively around within the inside and outside peripheral portions of said shell structure and in heat transfer relation to said radiating surfaces, and refrigerating apparatus having its warm and cool sides respec-



tively connected for communication with said two bodies of fluid.

2,559,218
QUICK-DETACHABLE INSULATOR
Walter A. Lewis, Syracuse, Kans.
Application April 25, 1949, Serial No. 89,441
5 Claims. (Cl. 174—157)



4. A conductor-supporting insulator comprising a body of insulating material, a conductor-clamping member of insulating material slidably mounted on a rod extending longitudinally from said body, a cam surface on said clamping member, a lever pivotally mounted on said rod and engaging said cam surface whereby upon pivotal movement of said lever in one direction said clamping member will be moved toward said body to clamp a conductor therebetween and upon pivotal movement of said lever in the opposite direction said conductor will be released, members secured to said body and extending therebeneath, a clamping bar slidably mounted on said members and movable toward and away from the bottom surface of said body and means for moving said bar toward said body comprising a cross bar received on said members and movable means on said cross bar engaging said clamping bar whereby said insulator may be detachably secured to a supporting member.

2,559,219
DETECTION AND MEASUREMENT OF PENETRATIVE RADIATION
Clifford G. Ludeman, Scarsdale, N. Y., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application March 12, 1949, Serial No. 81,098
7 Claims. (Cl. 250—71)

1. A phosphor element for use in the detection and measurement of penetrative radiation such as gamma rays comprising a phosphor material in relatively small amount having of itself relatively small effective dimensions for the interception and conversion of penetrative radiation to more easily detectable and measurable radiation in other ranges of the spectrum, and a

matrix of relatively large volume capable of conducting said last-named radiation, said phosphor material being substantially homogeneously distributed throughout said matrix whereby the original relatively small effective dimensions of said phosphor material for the interception and



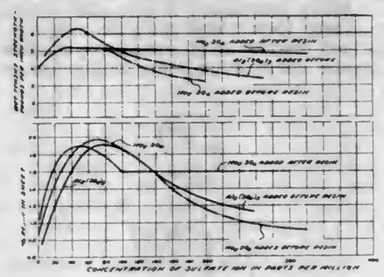
conversion of penetrative radiation are enlarged to the volume of said matrix, the element formed by said phosphor material and said matrix being formed with at least one section for exposure to and interception of penetrative radiation and at least one second section for exposure to a detecting and measuring device capable of detecting and measuring the converted radiation, said first and second sections being spaced from one another to insure exposure of the penetrative radiation to a substantial portion of the volume of said element.

2,559,220
MANUFACTURE OF CELLULOSE PRODUCTS OF IMPROVED WET STRENGTH
Charles S. Maxwell, Old Greenwich, and Chester G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 31, 1942, Serial No. 453,032
7 Claims. (Cl. 92—3)

1. A method of making paper having both increased folding endurance and higher wet tensile strength as compared with paper of the same basis weight but containing no resin which comprises adding to a water suspension of cellulosic papermaking fibers a quantity of a colloidal solution of cationic melamine-formaldehyde resin such that an amount of said resin within the range of a few tenths of one per cent up to four per cent by weight is adsorbed by the cellulosic fibers, said colloidal solution of cationic melamine-formaldehyde resin having a glass electrode pH within the range of about 0.5 to 4.0 when measured at 15% solids and containing approximately 2 mols of combined formaldehyde for each mol of melamine and having visible blue haze indicating a stage of polymerization at which the particles are of a size that will react with said fibers, forming the treated fibers into paper and heating the paper to cure the resin adsorbed therein.

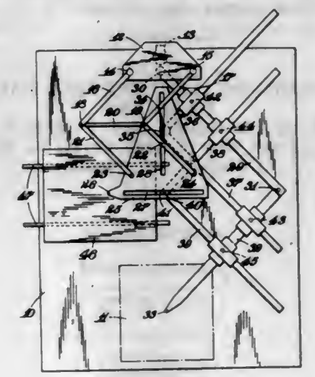
2,559,221
MANUFACTURE OF WET STRENGTH PAPER
Charles S. Maxwell, Old Greenwich, and Chester G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application June 28, 1947, Serial No. 757,750
5 Claims. (Cl. 92—21)

1. A method for the production of paper of improved wet strength which comprises preparing a suspension of cellulosic fibers in water containing from about 50 to about 150 parts per million of dissolved sulfate ion, adding to said suspension a colloidal solution of cationic melamine-formaldehyde resin, adsorbing substantial quantities of said resin on the cellulosic fibers, forming the treated fibers into paper, and heating the



paper to dry it and to cure the melamine-formaldehyde resin therein.

2,559,222
PERSPECTIVE DRAFTING MACHINE
Donovan Mark Moore, Bristol, England, assignor to Isometric Projections Limited (formerly Perspector Limited), Bristol, England, a British company
Application April 23, 1948, Serial No. 22,744
In Great Britain June 2, 1947
11 Claims. (Cl. 33—18)

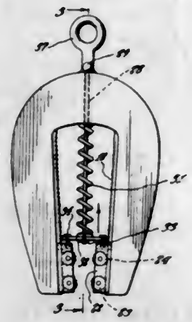


3. A drawing appliance comprising a drawing board, a tracing point movable over said drawing board, two parallelogram-type pantographs having in common two pivotally connected arms, one of which arms carries said tracing point and the other of which arms is pivotally mounted on said drawing board, which pantographs each have an element whose movement reproduces the movement of the tracing point to a proportionally changed scale, the movements of two elements being to different scales, a drawing point, and means constraining the drawing point to follow the movement of one element in one direction only and to follow the movement of the other element in a direction normal to said one direction.

2,559,223
SLIDING CLAMP
William Murray, Jackson Heights, N. Y.
Application November 9, 1948, Serial No. 59,099
6 Claims. (Cl. 294—86)

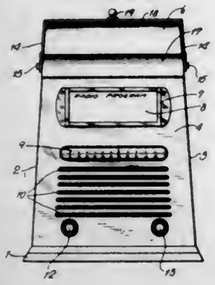
6. A slide clamp gripping device comprising a main body having opposing side portions with

slide surfaces thereon, one of the side portions having on the slide surface thereof teeth formations, a slide clamp adjustable upon the side portion, a roller journalled in the slide clamp and having teeth formations operable over the teeth formations on the slide surface, said slide surface on the side portion being inclined, means on



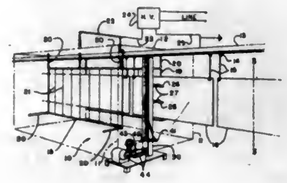
the opposite side portions for receiving and gripping the work piece along with the action of the slide clamp upon the opposite side portion, and manually operable means extending from the gear roller for effecting the rotation of the roller and the adjustment of the slide clamp along the slide surface of the side portion.

2,559,224
DEVICE FOR ILLUMINATING RADIO CABINETS
Arthur N. Quidor, New York, N. Y.
Application May 13, 1949, Serial No. 93,007
1 Claim. (Cl. 240—2)



The combination with an object having a sloping front wall terminating in a convex substantially circular top, and connected side walls, of a device for illuminating said front wall comprising a pair of bifurcated members pivoted on the outside of said side walls at the center of curvature of the top, a lighting unit secured to one arm of each member and including an elongated lamp and a reflecting shield housing said lamp and shaped and located to substantially abut against said sloping front wall to shed light downwardly upon the latter, and an actuating bar connecting the other arms of said members and lying substantially flush with the outside of said convex top for moving said lighting unit away from said front wall, said device having frictional engagement with the object to hold the device in adjusted position on the object.

2,559,225
ELECTROSTATIC COATING METHOD AND APPARATUS
Harold P. Ransburg, Indianapolis, Ind., assignor, by direct and mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind., a corporation of Indiana
Application September 7, 1946, Serial No. 695,543
8 Claims. (Cl. 117—93)



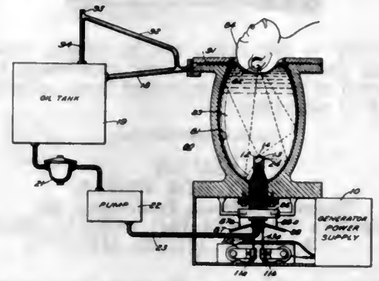
1. An improved method of coating articles in an electrical field, including the steps of moving an article along a path extending through said field in a direction that intersects at substantially normal the mean direction of the electrical forces acting in said field, issuing a stream of particled coating material to the field in a direction generally paralleling the path of travel of the articles, moving said stream in a direction transversely to both the direction of travel of the articles and the mean direction of said forces, and controlling the quantity of material supplied to the depositing action of said field forces in different portions of the field by shutting said stream off at predetermined intervals during its traverse of the field to thereby control the thickness of coating material applied to different portions of the article.

2,559,226
COLLAR
Inez W. Richardson, St. Louis, Mo.
Application August 2, 1949, Serial No. 108,163
1 Claim. (Cl. 2—133)



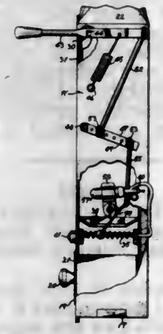
In a detachable device for women's wear, a collar, a substantially oval shaped base attached to and extending outwardly from the lower end of the collar, said base being of a size sufficient to cover the major portion of the shoulders of a person, said base being cut on a bias to facilitate adjustment of the collar to a proper position, the lower portion of the collar upstanding vertically from the base and the upper portion of the collar curved outwardly, tabs having one of their ends secured to the base adjacent the lower end of the collar, snap fastener elements fixed to the free ends of said tabs, and snap fastener elements on the underside of the base arranged to cooperate with the snap fastener elements on said tabs to hold the base to straps of an undergarment.

2,559,227
SHOCK WAVE GENERATOR
Frank Rieber, New York, N. Y., assignor to Interval Instruments, Inc., New York, N. Y., a corporation of New York
Application May 24, 1947, Serial No. 750,217
4 Claims. (Cl. 128—24)



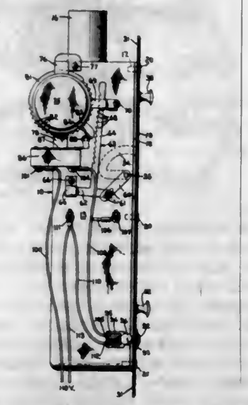
1. Apparatus for treating living tissue by elastic wave pressure forces, which utilizes a system for generating an abrupt mechanical compression wave, comprising a source of electrical energy; a condenser to be energized from said source; means for controlling the quantity and frequency of charge of the condenser from said course; and a compression wave generator consisting of a closed vessel filled with a fluid medium of high dielectric constant and enclosing a pair of electrodes spaced to constitute a spark gap that is to be energized from the condenser to effect a discharge across the gap and thereby generate a pressure surge; a portion of the enclosing vessel consisting of a plastic sheet conformable to an external body, over a substantial area of the sheet, and serving to transmit to such external body a pressure surge generated within the vessel by a discharge across the spark gap, said vessel having its inner surface shaped to constitute a surface of revolution having two focal points, with the gap between the electrodes disposed about one focal point, and with the vessel and the sheet of such size as to permit the external body to be disposed within the outline of the inner vessel to locate a selected point of the external body at the second focal point.

2,559,228
ELECTRIC WALL INCINERATOR
Anton H. Riebschlager, Fresno, Calif.
Application November 8, 1947, Serial No. 784,892
2 Claims. (Cl. 219—19)



1. A wall incinerator comprising a substantially erect firebox built into a supporting wall and insulated therefrom, having an opening accessible from externally of the wall through a wall of the firebox near the upper end portion of said firebox, a door fitted in closing relation to the opening and pivotally mounted in the firebox, a vent for the firebox, an electrical ignition element provided in the lower portion of the firebox, a depressing member pivotally mounted in the firebox at a level between the ignition element and the opening for movement between a position overlaying the ignition element and a substantially erect position adjacent a wall of the firebox, an externally accessible handle pivotally mounted on the firebox in unitary relation with the door for opening and closing the same, an electrical switch operably connected to the depressing member whereby upward pivotal movement of the member closes the switch and return of the member to original position opens said switch, an energizing circuit for the ignition means including the switch and a source of electrical energy, and lever means interconnecting the handle and the depressing member whereby manipulation of the handle to open the door pivots the depressing member upwardly to receive combustible material between said member and the ignition means closing the switch, and whereby, upon release of the handle, the door is closed and the depressing member is rested upon the combustible material and returned to original position upon consumption of said material.

2,559,229
INCINERATOR
Anton H. Riebschlager, Fresno, Calif.
Application June 21, 1948, Serial No. 34,282
2 Claims. (Cl. 219—19)



2. In a wall incinerator having a vented housing adapted to be mounted in a wall and having an opening in a side thereof, a door mounted on the housing for reciprocal pivotal positioning between open and closed positions relative to the opening, an electrical ignition means mounted in the housing below the opening closed by the door, and an electrical circuit for energizing the ignition means; the combination of a normally closed switch electrically connected in series with the ignition means in the energizing circuit, a clockwork timing mechanism having a winding shaft, an arm radially extended from the shaft adapted to hold the switch in open position when the clockwork mechanism is unwound and rotated from the switch when the mechanism is wound, a ratchet wheel mounted on the shaft having peripheral ratchet teeth adapted for driving rotation of the wheel to rotate the shaft in a winding direction, an inverted T-shaped ratchet bar having an erect leg with teeth formed along

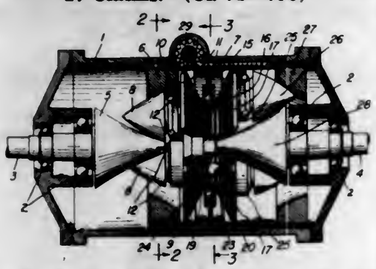
an edge thereof engageable with the ratchet wheel and a cross head at the lower end of the leg, a U-shaped bracket mounted on the housing supporting one end of the cross head adjacent and below the clockwork mechanism for slidable pivotal movement, an arm mounted for unitary pivotal movement with the door having an end portion adjacent to the end of the cross head opposite to that rested in the U-shaped bracket, and means pivotally interconnecting said end of the cross head opposite to that rested in the bracket pivotally to the radially extended end of the lever arm in adjustable positions radially of the pivotal mounting thereof whereby opening of the door pivots the erect leg of the T-shaped ratchet bar inwardly against the ratchet wheel and moves said leg upwardly winding the clockwork mechanism to an extent determined by the adjustable radial connection of the cross head to the lever arm and extent of door opening and successive door openings successively wind the clockwork mechanism in accumulated increments of correspondingly determined duration.

2,559,230

VARIABLE-SPEED FRICTIONAL GEARING

Henry Schottler, New Orleans, La., assignor to Roller Gear Corporation, New York, N. Y., a corporation of New York

Application December 30, 1948, Serial No. 68,185
In Switzerland April 12, 1948
17 Claims. (Cl. 74—796)



1. In a variable speed drive, an inner cone rotatable about its axis, an outer hollow cone surrounding the inner cone, a planetary holder coaxial with said inner cone and mounted for rotation about the axis of said inner cone, a plurality of radially displaceable roller bodies carried by said planetary holder and arranged between, and contacting, said inner cone and said outer cone, and torque-responsive means for pressing said roller bodies axially against the outer cone and the inner cone, said outer cone and said inner cone being tapered in opposite directions and the points of contact of said roller bodies with said inner cone and said outer cone lying in one plane which is always perpendicular to the axis of the inner cone.

2,559,231

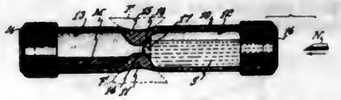
PLURI-COMPARTMENT PACKAGING AND DISPENSING CONTAINER FOR HYPODERMIC INJECTION INGREDIENTS

George H. Seemar, Chatham, N. J.

Application December 13, 1949, Serial No. 132,648
15 Claims. (Cl. 128—272)

3. The method of producing and installing the sealing membrane for a tubular packaging container of the class described which consists in applying a drop of collodion to the interior of said container in marginal contact with the glass body thereof.

15. In a container of the class described, a hollow body having a wall provided with a through passage for needle penetration, and a puncturable sealing membrane marginally affixed



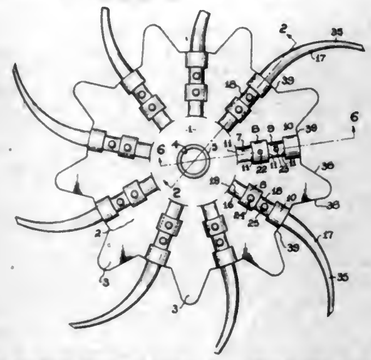
adhesively to the body wall in closing relation to said passage, said sealing membrane being composed of pyroxylin solidified from an original deposit of collodion.

2,559,232

ROTARY HOE WHEEL

Eugene R. Simon, Petersburg, Ill.

Application October 20, 1947, Serial No. 780,776
8 Claims. (Cl. 97—212)



1. A rotary, agricultural, soil-working, toothed-wheel comprising a one-piece, generally circular, sheet-metal, press-formed body, having a central perforation, and having a circular series of peripheral, circumferentially-spaced, radially outwardly extending, tapering projections; the body and the projections lying substantially in the same plane; the body between each pair of projections, having substantially circular peripheral edge portions; a radial series of press-formed, axially aligned, open, loops between each pair of projections extending alternately in opposite directions from the opposite faces of the body, and having a common group axis in the plane of the body; the body, radially inwardly of the radially innermost loop, having an edge in the plane of the body transverse to the axis of the loops; a circular series of teeth, each tooth having a straight shank projected through one of the series of loops, and abutting at its radially inner end upon said edge; means securing the shank against rotation in and withdrawal from the series of loops; and a tubular hub projected through the central perforation, and welded to the body.

2,559,233

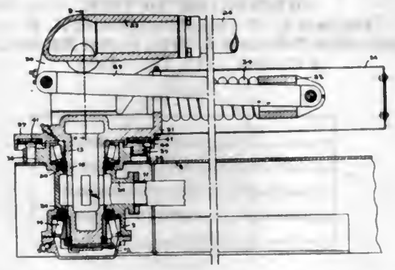
AIRCRAFT REFUELING PLANT

Leslie Thomas Spurin, Slough, England, assignor to Zwicky Limited, Slough, England, a British company

Application September 24, 1945, Serial No. 618,078
In Great Britain May 6, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 6, 1964
13 Claims. (Cl. 222—533)

1. In a travelling replenishing unit the combination with a vehicle having a tank mounted

therein of a hollow shell secured upon said vehicle, a lateral pipe connection upon said shell for supplying liquid thereto from said tank, a vertical spigot closed at its lower end rotatable about its axis in said shell, means maintaining liquid-tight joints between said spigot and said shell above and below said pipe connection, lat-



eral openings in said spigot between said liquid-tight joints, anti-friction bearings above and below said liquid-tight joint supporting said rotatable spigot in said shell, and a hollow boom mounted to rotate about a horizontal axis in said spigot and having connection therewith for the passage of liquid.

2,559,234

PROCESS OF TREATING PAPER

John T. Stearn, Brooklyn, N. Y.

No Drawing. Application February 16, 1945, Serial No. 578,361
1 Claim. (Cl. 117—155)

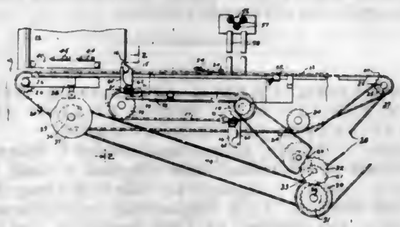
The process of improving the dimensional stability of paper which comprises preparing a solution of thiourea and formaldehyde in the proportion of from about 1.5 to about 2.0 mol of formaldehyde to 1 mol of thiourea, aging the said solution at a pH of about 4 to 6 to secure partial reaction without formation of insoluble products, bringing said partially reacted solution at a pH of about 2 to 3 into intimate contact with all the fibres of the paper by thorough distribution among said fibres, and heating the paper to dry it and to cause formation of an insoluble resin on the individual fibres of the paper, the heating being continued until there is no appreciable quantity of soluble reaction product, acid or formaldehyde in the paper.

2,559,235

SHEET FEEDING MECHANISM

Eugene S. Tascher, Ingleside, Ill., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey

Application April 14, 1947, Serial No. 741,257
9 Claims. (Cl. 271—6)



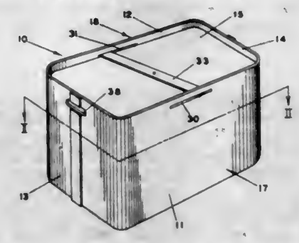
1. In a sheet feeding mechanism, the combination of a frame, a hopper at one end of the frame adapted to hold a vertical stack of blanks and having an opening at the bottom of its front side through which the bottom sheet may be withdrawn from the stack, an endless chain having horizontal upper and lower runs with the upper run extending forward away from said hopper and its rear end beneath and adjacent the opening in said hopper, a gripper attached to said chain and adapted as the chain passes from its lower to its upper run to come adjacent the forward edge of the bottom blank in the stack, means for pulling down the forward edge of the bottom blank against the gripper, means for holding the gripper open as it rises to the upper run of the chain, means for closing the gripper on the forward edge of the bottom blank, and means for driving the chain and gripper continuously and at a cyclically variable speed with the lowest speed of said cycle occurring periodically at the time the gripper closes on the blank.

2,559,236

WOODEN CARBOY CRATE

James R. Wallace, Lansing, Mich., assignor to Carrier-Stephens Company, Lansing, Mich., a corporation of Michigan

Application September 13, 1948, Serial No. 49,061
2 Claims. (Cl. 217—1)



1. A laminated, wooden carboy crate, the combination comprising: a pair of U-shaped, laminated, wooden side members, said side members being rigidly secured together in abutting relation with each other along a vertical plane; said side members together forming a quadrangular, vertical tube; each of said side members being an integral, preformed unit; a lower closure member seated within and secured to said tube adjacent its lower end; stops mounted to said side members adjacent the upper end of said tube and projecting inwardly of said tube; a cover receivable into said tube and removably seated on said stops; detachable means for securing said cover to said side members.

2,559,237

DRAWER GUIDE

Alfred F. Waller, St. Charles, Ill., assignor to St. Charles Manufacturing Co., St. Charles, Ill., a corporation of Illinois

Application November 9, 1945, Serial No. 627,625
5 Claims. (Cl. 308—3.6)



1. A drawer slide structure comprising, in combination, a stationary sheet metal guide rail bent

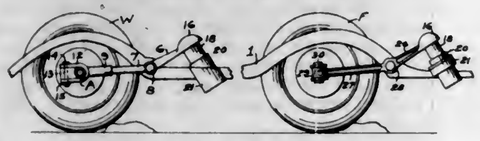
to channel-shaped cross-section to provide upper and lower track surfaces on the outer sides of its upper and lower longitudinal flanges, and a relatively movable sheet metal slide rail bent to channel-shaped cross-section and disposed in telescoping relation with the guide rail, the web portions of said rails being located on the same side relative to the flanges on said rails, the web portion of said guide rail between the upper and lower longitudinal edge portions being bent into shallow trough form so that the major portion of said web lies in closely spaced relation to the web portion of said slide rail so as to define laterally protruding narrow but smoothly rounded upper and lower sled runners on said longitudinal edge portions on said guide rail for low frictional sliding engagement on the web portion of the slide rail in addition to defining a shallow trough adapted to receive and retain a small supply of solid lubricant advantageously located for lubrication of the relatively slidable rails.

2,559,238
WATCH BAND ATTACHMENT
Edward Wallin, Los Angeles, Calif.
Application June 4, 1946, Serial No. 674,363
5 Claims. (Cl. 58—88)



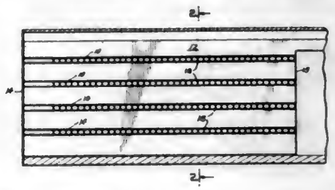
1. Securing means for attaching a watch band to a watch case; said means comprising a groove in the periphery of the watch case; said groove extending over more than 180°; a spring loop member having re-entrant end pieces; recesses at the ends of said groove for receiving the re-entrant end pieces of said spring loop member: a loop on said watch band; said watch band loop being mounted over said spring loop.

2,559,239
SPRING SUSPENSION ASSEMBLY
Athelstan T. Watson, Estado Zulia, Venezuela
Application March 22, 1948, Serial No. 16,336
2 Claims. (Cl. 267—15)



1. In a vehicle wheel suspension assembly, the combination which comprises a vehicle frame, a lever having a bearing hub with a substantially horizontally disposed arm and an upwardly extended angularly disposed pressure arm extended therefrom, means pivotally mounting the lever through the bearing hub thereof on the vehicle frame, wheel mounting means on the outer end of the horizontally disposed arm, a cylindrical housing having a fluid therein mounted on the frame and positioned with the axis thereof perpendicular to the said angularly disposed pressure arm of the lever, a piston in said cylindrical housing having an upwardly extend piston rod extended from the upper end of the housing, and means connecting the upper end of the piston rod to the angularly disposed pressure arm of the lever whereby upward movement of the wheel mounting actuates the angularly disposed arm of the lever downwardly against the cushioning element and the cushioning element urges the said wheel mounting downwardly when shock or excessive load on a wheel carried by the wheel mounting is released.

2,559,240
DUNNAGING DEVICE
Herbert E. Wiggin, Englewood, N. J.
Application February 9, 1946, Serial No. 646,510
4 Claims. (Cl. 105—369)



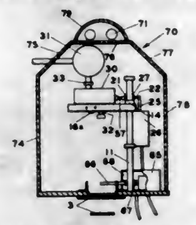
1. A dunnaging device for a vehicle, comprising U-shaped channels arranged to extend lengthwise along opposite sides of the vehicle, a plurality of pins extending between and having their opposite ends secured to the opposed flange portions of each channel and being located in spaced relation to one another and to the back wall of the channel, and a tie member extending across the vehicle and fastened to pins in each channel.

2,559,241
FIXTURE SUPPORT
Robert G. Bernstein, Levittown, N. Y., assignor to Ruby-Phillie Corp., Queens County, N. Y.
Application February 9, 1950, Serial No. 143,236
3 Claims. (Cl. 248—343)

1. In an arrangement for temporarily supporting an electrical lighting fixture in a recessed portion of a ceiling, which comprises: a plurality of hanger bars fastened to stationary parts in the ceiling, each bar is provided with a pair of tiltable loose fitting latches with a limited downward movement, a fixture to be inserted into the recessed portion of the ceiling, means on said fixture which are adapted to cooperate with said latches so as to temporarily support said fixture until ready for permanent setting.

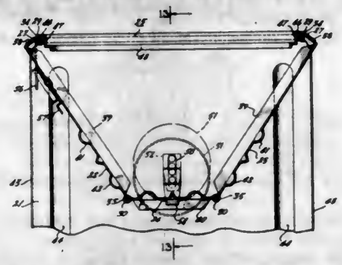
2,559,242
CONTAINER FILLING APPARATUS WITH AUTOMATICALLY TIMED FILLING AND CONVEYER MOVEMENT MEANS
William J. Boegly, Mason, and Eldred C. Bennett, Robert S. Morrison, and Charles Powell, Detroit, Mich., assignors to Sterling Drug Inc., New York, N. Y., a corporation of Delaware
Application October 19, 1946, Serial No. 704,374
5 Claims. (Cl. 226—95)

1. In a device for dispensing into successive groups of containers predetermined quantities of a fluent material, the combination comprising: an intermittently movable conveyor for transporting said containers and timeable means effecting intermittent movement of said conveyor; means including a valve discharging said fluent material at a point vertically above said conveyor; electrically actuated means opening and closing said valve; means supporting a barrier and permitting movement thereof into and movement thereof out of a position in the path of con-



tainers being transported by said conveyer; electrically actuated means effecting one of said movements of said barrier and resilient means effecting the other of said movements of said barrier; a plurality of automatically operable electrical switches controlling the operation of both said electrically actuated means and timing the operation of same with respect to each other and with respect to the movement of said conveyor.

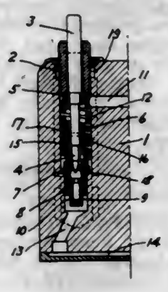
2,559,243
COLLAPSIBLE STOVE
Joseph D. Brown, Eastchester, N. Y., assignor to Poloron Products, Inc., New Rochelle, N. Y., a corporation of New York
Application June 19, 1947, Serial No. 755,638
17 Claims. (Cl. 126—9)



1. A collapsible stove for burning solid fuel comprising a frame having two parallel horizontal side members, and a fire box including sheet metal side plates wider than one-half the spacing of the side members and pivoted at their upper edges to the side members so as to be supported therefrom and a sheet metal bottom plate pivoted at its side edges to the lower edges of both the side plates so as to be solely supported by the side plates, the side plates being swingable upwardly into overlapping relation to bring the bottom plate between the overlapped portions.

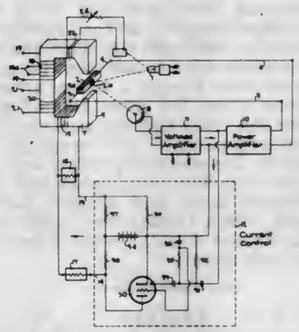
2,559,244
PULSATOR
Sven Johan Erling, Nockeby, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application May 5, 1945, Serial No. 592,255
In Sweden May 23, 1944
9 Claims. (Cl. 138—45)

1. An arrangement for determining the frequency of pulsations of a pulsator, which comprises a housing having a fluid passage adapted to communicate at its ends with different parts of the pulsator, two throttles disposed in series in said passage, one of the throttles including a needle valve and a coacting seat member which are relatively adjustable, and manual means for relatively adjusting the needle valve and seat



member, the other throttle including a hollow screw plug threaded into the seat member and having a small opening of constant restriction providing a through-flow area restricted to limit the frequency of pulsations to a practically usable value regardless of said manual adjustment.

2,559,245
SYSTEM FOR AMPLIFYING SMALL DIRECT CURRENTS
Charles H. Fay, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 14, 1949, Serial No. 99,051
9 Claims. (Cl. 179—171)



9. A system for amplifying small direct currents comprising first coil means arranged for setting up a magnetic field proportional to the current flowing therein, second coil means, suspension means pivotally mounting said second coil means for continuous oscillation at the mechanical resonance frequency of said coil means in said magnetic field, means for supplying a small direct current to one of said coil means, a light source, a photoelectric element, optical means carried by said continuously oscillating coil for varying the illumination of the photoelectric element by the light source, whereby an alternating current proportional to said cyclically varying illumination is produced by said photo-

electric element, amplifier means energized by said alternating current, means for passing a portion of said amplified alternating current through said other coil means, a control circuit comprising rectifier means connected to the output of said amplifier means for rectifying another portion of said amplified alternating current, means for applying the rectified portion of said current in opposition to the small direct current under measurement, and means in said control circuit for adjusting the value of said rectified current to a value such that the reaction of the current flowing in said pivoted coil means with the magnetic field produced by the other coil is just sufficient to maintain the pivoted coil in continuous oscillation at its mechanical resonance frequency.

2,559,246
BEDPAN CUSHION
Myrtle M. Fees, Whipple, Ariz.
Application August 1, 1946, Serial No. 687,587
2 Claims. (Cl. 4—113)

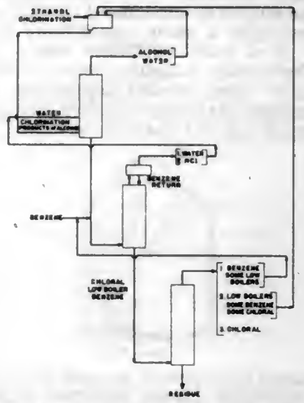


1. A seat pad for a bed pan, comprising a flat body of a soft non-porous material substantially uniform in thickness and curved to conform to the curvature of the seat flange of the bed pan, said body having the upper side of its end and outer side edges beveled, a bead formed along the under side of the inner side edge and adapted to engage over the edge of said seat flange, and a spring wire member having a medial arcuate portion extending along the inner side of said bead intermediate the ends thereof and end portions extending in substantially right angular relation with respect to the arcuate portion and radially part way through said body, said end portions being connected with said arcuate portion by curved bends which engage over said bead and compress the same slightly inward beneath the edge of said seat flange.

2,559,247
PURIFICATION OF CHLORAL
Max T. Goebel, Rocky River, Ohio, James W. Langston, La Porte, Tex., Donald J. Loder, Wilmington, Del., and Howard T. Siefen, Shaker Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 12, 1947, Serial No. 785,553
7 Claims. (Cl. 260—601)

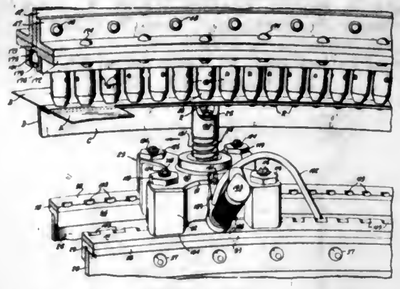
1. In a process for the recovery of chloral the steps comprising adding water to a chloral acetal, distilling to separate an alcohol-water azeotrope therefrom, then recovering chloral from the residue.

3. In a process for the recovery of chloral from chloral acetals the steps comprising adding water to an acetal, distilling to separate alcohol therefrom, adding benzene to the residue, then distilling to separate a water-benzene azeotrope,



and finally recovering chloral by fractional distillation.

2,559,248
RIVETING MACHINE FOR CAR ROOF CONSTRUCTION
George T. Harcourt, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application August 19, 1947, Serial No. 769,508
5 Claims. (Cl. 78—48)

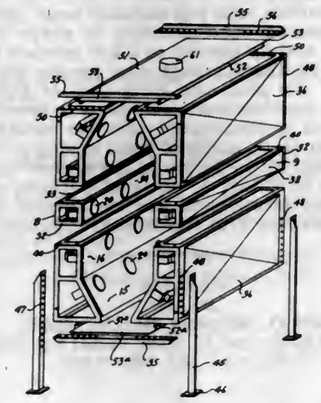


2. A retaining arrangement for holding a plurality of die tools in spaced relationship with respect to each other comprising a supporting frame, a mounting strip carried upon the supporting frame and having a longitudinally-extending groove, a channel strip adapted to be connected to the mounting strip and having a series of apertures therein spaced from one another, a die tool holder for each aperture having a threaded projection extending through the aperture, a retaining member within the channel strip receiving the threaded projection of the holder and having a holding flange extending into the longitudinal groove in the mounting strip for engagement therewith to hold the same against rotational displacement upon the holder, and die tools respectively carried by the die tool holders.

2,559,249
INFRARED OVEN STRUCTURE
William H. Hudson, Detroit, Mich.
Application February 18, 1948, Serial No. 9,181
5 Claims. (Cl. 219—35)

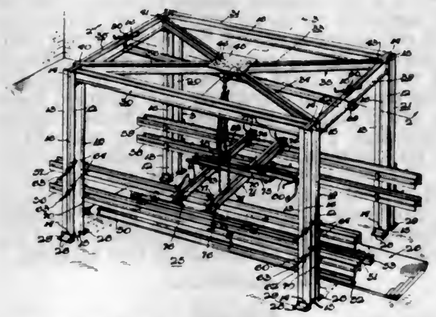
5. A pre-fabricated elongated section of an infra-red oven comprising, a pair of end frames,

each frame having an outside frame member and an inside frame member, the inside frame member, for a portion of its length, paralleling the outside frame member and for a portion of its length being angularly disposed relative to the outside frame member, whereby the end frame members have a greater dimension on one side than the other, lengthwise extending frame members connecting the end frames, sheet metal paneling over the inside frame members having



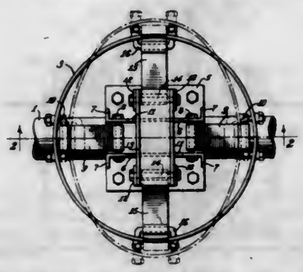
apertures therein for receiving lamps for emitting infra-red rays, the outside frame members having a plurality of bolt holes therein, a leg for each outside frame member adapted to be bolted thereto, whereby the section may be bolted at different positions on the legs, the side of the section having the greater cross dimension having a plurality of bolt holes in the end frame adapted to be connected to the legs whereby the section may be disposed in a horizontal position.

2,559,250
AUTOMOTIVE BODY AND FRAME STRAIGHTENING APPARATUS
Carter E. Jackson, Sandoval, Ill.
Application March 19, 1947, Serial No. 735,675
4 Claims. (Cl. 153—32)



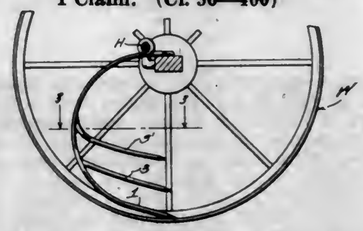
1. In an apparatus for restoring distorted automotive vehicles, the combination, comprising, a main frame, including a pair of horizontally disposed members with vertical longitudinal slots, a pair of bolt members each slidable in the slot of one of the horizontal members and supported thereby and terminating at its lower end in a hook portion, a horizontally disposed beam including a vertical web with a pair of openings each for one of the hook portions and having at the lower web end oppositely extending horizontal flanges constituting a track for a chain hoist.

2,559,251
SPRING SUPPORT MECHANISM
Delwin V. James, Houston, Tex.
Application June 23, 1950, Serial No. 169,822
5 Claims. (Cl. 267—2)



1. Spring suspension unit comprising a normally circular spring, a support therefor and a body constituting the load, a pair of shackles connected to said support and to said spring at diametrically opposite points on said spring for suspending said spring, and a pair of shackles connected to said body and to said spring at diametrically opposite points of said spring displaced 90° with respect to said first mentioned points, for supporting said load upon said spring, said shackles being inclined whereby to resolve shock force transmitted through them to said spring into components, one thrusting against said spring to distort it, the other moving said spring bodily in the direction of its perpendicular axis.

2,559,252
TOOTH FOR SULKY RAKES
Peter E. Kamp, Walcott, Wyo.
Application December 20, 1949, Serial No. 134,047
1 Claim. (Cl. 56—400)

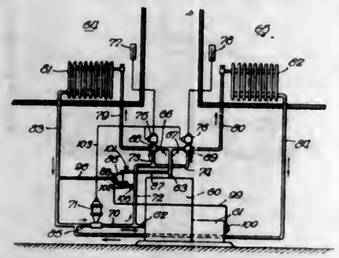


As a new article of manufacture, an end tooth structure for a sulky rake or the like, comprised in a main tine of curved form and other tines spaced apart above and in substantially the same plane with said main tine, said other tines having their rearwardly directed ends welded to said main tine and their forwardly directed ends unsupported and staggered slightly rearward with respect to the like end of the main tine.

2,559,253
HEATING SYSTEM CONTROLLER
Ralph A. Lingen and Lloyd E. Cross, Milwaukee, Wis.
Application March 8, 1946, Serial No. 652,939
5 Claims. (Cl. 237—8)

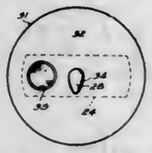
3. In a hot water heating system, a hot water heater, a burner for heating the same, a radiator

to heat a given space, a hot water pipe leading from the heater to the radiator, said pipe having a hot and cold water mixing valve, means for operating said valve including a thermostat in the space being heated by said radiator, a source of cold water having a motor pump with a flow connection to said heater and a flow connection to said mixing valve, a cold water return pipe leading from said radiator to said pump, said thermostat having operating means connected



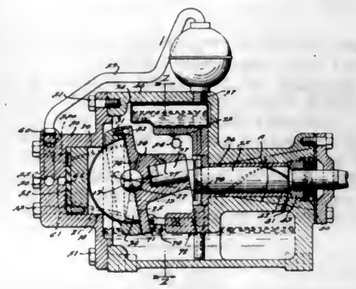
with said pump, a switch for controlling said burner, and a controller comprising a thermostat operably connected with said switch, and a constricted mixed fluid conducting chamber for housing said thermostat to operably respond to the temperature of the fluids passing through said chamber, said chamber being connected to receive fluid flow from the hot water pipe and from the cold water flow connection to the mixing valve.

2,559,254
CIGARETTE ASH AND STUB COMPACT
Ida Lundstrom, St. Louis, Mo.
Application February 3, 1949, Serial No. 74,441
3 Claims. (Cl. 220—33)



1. In a cigarette ash receptacle capable of being carried in a lady's purse or in a garment pocket, a separable hollow body comprising a bottom member and a top member, the bottom member consisting of a circular head, an upturned wall at the edge of the head, a circumferential shoulder on the wall, a centrally located upstanding hollow post, circular in cross-section, projecting beyond the upper edge of the wall, the upper end of the hollow post having opposite sides thereof cut away to provide spaced seats in a plane with the upper edge of the wall and spaced parallel arranged side walls projecting upwardly from the inner edges of the seats terminating with the top face of the post, a rectangular plate having a central opening corresponding in shape to that of the upper end of the post to receive the upper end of the post to prevent rotation of the plate, the lower face of the plate arranged to lie in a plane with the upper edge of the wall with the end portions of the plate falling short of contact with the wall, a washer having a non-circular central opening seated upon the upper face of the post and the plate surrounding the opening therein, an elongated plug square in cross section non-removably received within the hollow post and the washer opening, a neck circular in cross-section integral with and extending upwardly from the plug to provide a lower neck shoulder to rest upon the washer surrounding the opening therein to hold the washer in tight contact with the plate and the central portion of the plate in tight contact with the seats on the hollow post, a head integral with the neck, and said head including a laterally projecting lip, the top member including a circular head, a skirt projecting from the edge of the head for telescopic and rotatable connection with the upper end portion of the wall of the bottom member, said top member head having a central opening corresponding in shape to the plug head and lip thereof to allow passage of the head and lip therethrough and receive the neck portion of the plug, the lower face of the head of the top member having a recess to receive the washer and a concentric recess to receive the rectangular plate, and said head having an opening arranged with relation to the central opening therein to be closed by the end portions of the plate in two positions of the top member in assembled relation with the bottom member.

2,559,255
PUMP
David O. Manseau, Berkley, Mich.
Application August 12, 1946, Serial No. 689,950
9 Claims. (Cl. 103—133)

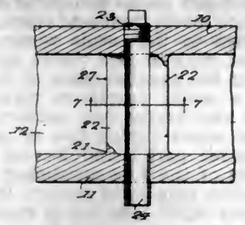


1. In a pump, a rigid member having a conical contact surface and a rigid member having a straight contact surface, said members being operatively mounted to have their contact surfaces in a line contact, means to actuate one of said members to cause said line of contact to move continuously around the vertex of the conical surface, means confining the space between said members, rigid means carried by said actuated member and dividing said confined space into two chambers, said members being adapted to discharge the fluid from each of said chambers for substantially 270° of the rotation of said line of contact out of each 360° angular movement thereof with the discharge periods of said two chambers overlapping each other at their beginnings and ends for substantially 90° of the rotation of the line of contact of said surfaces.

2,559,256
TIE BAR FOR HEAT EXCHANGE HEADERS
William F. Matheny, Tulsa, Okla., assignor to Arrow Industrial Manufacturing Company, Tulsa, Okla., a corporation of Oklahoma
Application May 17, 1948, Serial No. 27,525
1 Claim. (Cl. 285—5)

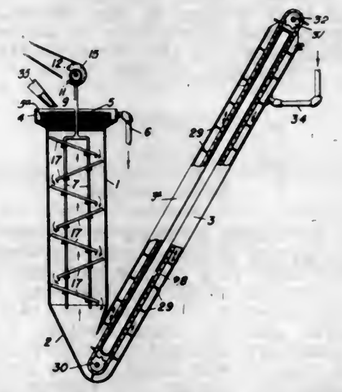
In a header for the purpose set forth, front and rear walls of cast iron, tubular tie bars connecting said walls, said tie bar opening through

said walls and having a diametrically disposed slot therethrough, a plug closing the tie bar at one



wall and a pipe leading from the tie bar at the other wall.

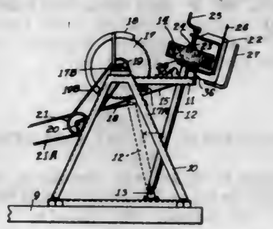
2,559,257
METHOD AND APPARATUS FOR EXTRACTING PROTEINS
James H. Obey, Pittsburgh, Pa., assignor to J. R. Short Milling Company, Chicago, Ill., a corporation of Illinois
Application October 2, 1946, Serial No. 700,685
7 Claims. (Cl. 260—123.5)



2. In the operation of an extraction column including a tower filled with liquid capable of dissolving protein from oil-free soy bean material, the steps which comprise feeding the soy bean material to be extracted into the said tower so that it moves through the liquid therein in one direction, feeding solvent liquid into said tower in such manner that it flows therethrough in the opposite direction, whereby the solvent liquid becomes progressively more concentrated as it approaches the end of the tower toward which it flows, and imparting to said material a substantially vertical vibration to increase the effectiveness of the action of the solvent, such vibration being of such small amplitude and such high frequency that it does not substantially agitate the body of liquid as a whole, whereby the desired progressive variation in its concentration is not disturbed.

2,559,258
APPARATUS FOR CUTTING BODIES TO A POLYGONAL CONTOUR
Charles S. Olson, Gulfport, Miss.
Application February 19, 1947, Serial No. 729,614
3 Claims. (Cl. 143—58)

1. A machine for cutting the faces of a body of polygonal outline, comprising a cutting element, an arm supported for rocking movement in a vertical plane toward and away from the cutting element, the upper end of the arm being in the form of a socket, a plate having a central pivot shank rotatably engaged in said arm socket, means for clamping onto the top of the plate a body to be cut by the cutting element, a plurality of ratchet teeth around the periphery of said plate, a fixed element toward which the arm moves in its movement away from



the cutting element, a pivoted pawl carried by said fixed element for engagement with a ratchet tooth upon movement of the arm toward the fixed element to effect the turning of the plate, a latching means for the plate, and means for effecting the release of the latching means from the plate in advance of the operation of the pawl in turning the plate.

2,559,259
METHOD OF MAKING A SOURCE OF BETA RAYS
John R. Raper, Lake Geneva, Wis., assignor to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application May 16, 1946, Serial No. 670,297
11 Claims. (Cl. 204—154)

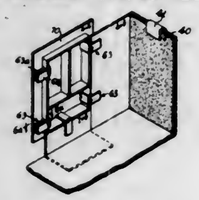
10. A process of preparing a source of beta emissions which comprises admixing an isotope capable of being irradiated by neutrons to produce a beta emitter with an organic resin containing no component elements other than carbon, hydrogen, and oxygen, shaping the resulting mixture into a desired shape, and subjecting the shaped mixture to neutron irradiation.

2,559,260
METHOD OF IMPARTING WATER REPELLENCY TO FIBROUS MATERIALS AND RESULTING PRODUCT
John W. Schick, Camden, Howard D. Hartough, Pitman, and Darwin E. Badertscher, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application July 25, 1947, Serial No. 763,744
21 Claims. (Cl. 117—161)

1. A method of imparting water-repellency to fibrous material which comprises contacting organic fibrous material with an aqueous solution containing a water-solublue hydrohalide of a nitrogenous condensation product having at least one nucleus of a 5-membered heterocyclic compound, said nitrogenous condensation product having been obtained by condensing a 5-membered heterocyclic compound with formaldehyde and a member of the group consisting of ammonium halide and hydroxylamine halide in the presence of an acid having an ionization constant greater than 1×10^{-5} but not greater than about 1.7×10^{-2}, said 5-membered heterocyclic compound being selected from the group consisting of thiophene, furan and pyrrole removing said organic fibrous material carrying said water-

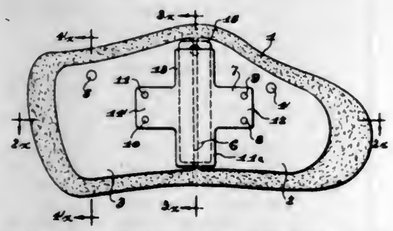
soluble derivative of said nitrogenous condensation product from said solution, contacting said organic fibrous material with an alkaline medium in which said organic fibrous material is substantially insoluble, contacting said organic fibrous material carrying said condensation product with formaldehyde, subjecting the so-treated organic fibrous material to elevated temperatures of about 212° to about 260° F., and removing sufficient non-nitrogenous foreign material that the water-repellency of the so-treated organic fibrous material is not seriously impaired.

2,559,261
ARCHITECTURAL MODEL CONSTRUCTION SET
Michael D. Schwartz, Brooklyn, N. Y.
Application October 17, 1949, Serial No. 121,713
3 Claims. (Cl. 35—16)



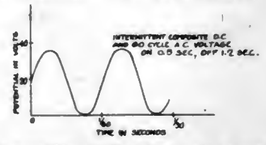
3. In an architectural model construction set, a plurality of wall panels which are self-supporting, each wall panel comprising a pair of panel members which are disposed at right angles to each other, a plurality of said panels when contiguously placed constituting a wall, said wall having openings therethrough and a plurality of windows and doors clipped to said wall in said openings, said doors and windows each comprising a facing sheet of material adapted to overlap and lie against adjacent wall panels, an opening through said sheet material, a frame fabricated of sheet material to fit within said opening perpendicularly to the plane of the facing sheet and extending rearwardly thereof, U-shaped clips being provided to clip the windows and doors to the wall panels, each said U-shaped clip comprising spaced arms defining a bight portion therebetween, the arms of said U-shaped clips being bent intermediate their respective ends at right angles to the main body of the clips to substantially L shape, the bight portion of the clips embracing the frame, and the arms of the clips receiving between them the wall panels.

2,559,262
ARCH SUPPORT
Charles B. Sheridan, Rochester, N. Y., assignor of one-half to Joseph H. Stiffler, Rochester, N. Y.
Application November 29, 1947, Serial No. 788,860
2 Claims. (Cl. 36—71)



1. In an arch support the combination of an insole, two metal plates substantially as wide as the sole of the foot under the insole, said plates having adjacent parallel edges extending across the insole and said plates extending forward and back under the insole from said edges, said plates being attached to the insole remote from the parallel edges, each of said plates being bent up at the end of the parallel edges at the inside of the insole, a metal cruciform plate having a central part and having four sections extending therefrom at equal angles, two of said sections and the central part being located under the parallel edges of the first mentioned plates, one of said sections extending toward the inside of the insole and being bent up to conform to the bend in the two plates, the other two sections extending transverse to the parallel edges and being attached only at their outer ends to said first named plates whereby a metal strip in the form of a shim may be inserted transversely across said insole between the parallel edges of said plates and the first-named two sections of said cruciform plate, to provide a desired arching effect.

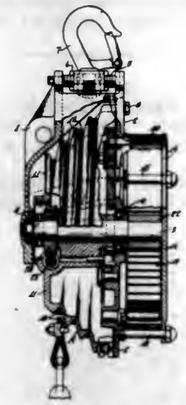
2,559,263
ELECTROPOLISHING OF METALS
Henry Boynton Smith, Wallingford, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation
Application May 15, 1947, Serial No. 748,220
6 Claims. (Cl. 204—140.5)



5. In the anodic polishing of a metal of the group consisting of copper, brass and electrically deposited silver in a cyanide bath, the method which comprises immersing the metal in said bath and subjecting the metal in the bath to the electrolytic polishing action resulting from the intermittent application of a positive potential of varying value to said metal, as the anode, and to a companion cathode, said varying potential being composed of a direct current potential in series with an alternating current potential and applied for a plurality of time-spaced periods between about 0.5 second and about 0.9 second each with intervening periods of at least about 0.6 second each, the peak alternating current potential being not greater than the direct current potential.

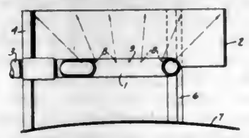
2,559,264
SPRING RETAINER FOR BALANCERS
Edward W. Stevens, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Original application June 27, 1939, Serial No. 281,370. Divided and this application December 15, 1943, Serial No. 514,342
2 Claims. (Cl. 185—45)

1. An assembly comprising an open sided retainer element, and a spirally coiled spring positioned within the retainer element and having anchor means at its outer end to anchor said end with respect to the retainer element to prevent relative movement therebetween when the assembly is in operative use, and an anchor means on the inner end of the spring to couple with a relatively movable element, said retainer element being of greater width than the spring and having several contact points projecting inwardly from the surface thereof, said contact points being spaced circumferentially so that the distance between any two adjacent contact points is substantially less than 180° and being further arranged to engage the outer coil of the spring and maintain the latter in spaced relationship to the



retainer element so that tool means can be clamped about the spring from either side of the retainer element and at various points of the spring periphery between the contact points while the spring is positioned within the retainer element.

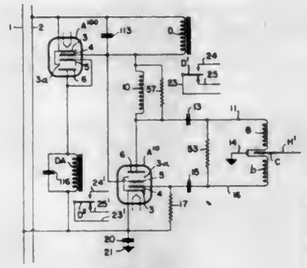
2,559,265
ANNULAR BURNER AND SURROUNDING BAFFLE RING
Walter W. Taylor, Oakland, Calif., assignor to Maisbary Manufacturing Company, Oakland, Calif., a corporation of California
Application December 29, 1945, Serial No. 637,802
1 Claim. (Cl. 158—113)



In a device of the character described, a gas pipe having a horizontally disposed, ring-shaped burner at the end thereof, a standard supported by the pipe to extend above and below the same, a ring supported by the upper end of the standard concentrically with the burner and dimensioned to form a relatively wide annular passage therewith and having an upper edge rising above the elevation of the burner, the burner having directional orifices pointing toward said upper edge, and a horizontally arranged disc carried by the lower end of the standard to extend below the burner and the ring and in vertically spaced relation thereto.

2,559,266
OSCILLATOR CONTROLLED RELAY SYSTEM
William H. Wannamaker, Jr., Flourtown, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Original application June 22, 1944, Serial No. 541,575. Divided and this application July 9, 1949, Serial No. 103,842
9 Claims. (Cl. 175—320)

1. Control apparatus comprising a control device including an electronic valve having an input electrode included in an input circuit, an output electrode included in an output circuit, and a common electrode common to both of said circuits, a load circuit including said output electrode, an impedance device connected in a feedback circuit between said input and output circuits to form an oscillator circuit, said feedback circuit being operative to feed back electrical energy from said output circuit to said input circuit under the control of said impedance device, adjustable means operable to vary the impedance of said impedance device between first, second, and third values at which said feedback circuit is operative to cause oscillation of said oscillator circuit at maximum, intermediate, and minimum amplitudes, respectively, and a bias impedance included in said input circuit and operative to vary the conductivity of said load circuit in accordance with the amplitude of oscillation of said oscillator circuit and hence in

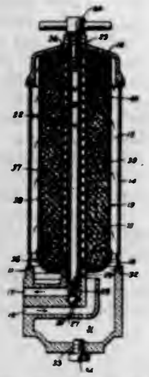


accordance with the adjustment of said impedance device, a relay device having a first operating portion, a second operating portion, and contact means jointly controlled by said operating portions and having first, second, and third operating positions, the position assumed by said contact means being dependent upon the selective operative energization of said operating portions, a pair of supply terminals adapted to be connected to a source of energizing current, and connecting means connecting said operating portions to said load circuit between said supply terminals for the selective operative energization of said operating portions in accordance with the conductivity of said load circuit, whereby said contact means is operative to assume said first, second, or third position accordingly as said oscillator circuit oscillates at said maximum, intermediate, or minimum amplitude, respectively.

2,559,267
FILTER
Charles A. Winslow, William G. Nostrand, and Laurence L. Moore, Oakland, Calif., assignors to Winslow Engineering Co., Oakland, Calif., a partnership
Application September 16, 1946, Serial No. 697,223
8 Claims. (Cl. 210—183)

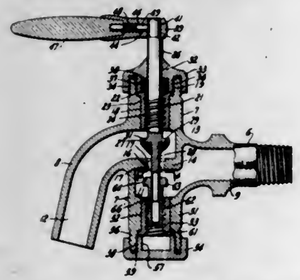
1. A filtering unit comprising means for conducting liquid to be filtered through a filtering medium, and a plurality of masses of pervious filtering material arranged in parallel in the path of said liquid between a common inlet and a common outlet, said masses differing in their resistance to liquid flow therethrough, the less resistant and coarser filtering mass being above the more resistant and finer filtering mass,

whereby cold oil will tend to pass through said less resistant mass and after the oil has become



warm and less viscous it will tend to pass mostly through said finer filtering mass.

2,559,268
FAUCET
Amos A. Wyckoff, Oakland, Calif.
Application January 26, 1946, Serial No. 643,530
3 Claims. (Cl. 277—29)

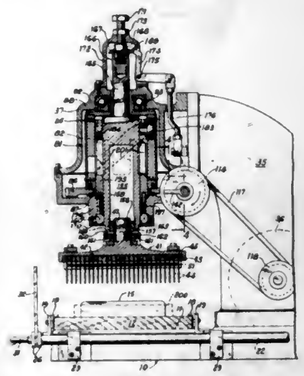


1. A faucet comprising a body having therein a valve port including two valve seats, a bonnet threadedly engaged to said body, a sleeve interposed between and capable of rotational adjustment relative to said bonnet and body, means on said sleeve interposed between portions of said bonnet and body for securing the sleeve in a selected position of rotational adjustment thereof, and a stem threadedly engaged in said sleeve and carrying a first valve movable upon rotation of the stem selectively toward or from one of said valve seats, a second valve also movable upon rotation of said stem selectively toward or from the other of said valve seats, and means interconnecting said valves for duplicating in each valve the movements of the other valve.

2,559,269
METHOD FOR PRODUCING INDIGO VAT DYE PASTE
Daniel Zinner, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 21, 1949, Serial No. 94,725
5 Claims. (Cl. 260—323)

1. The method of producing a high density, essentially air-free indigo paste, which will not cause objectionable froth or foam when dye baths are prepared, from a water slurry of indigo containing occluded air which comprises filtering the slurry to produce a filter cake of indigo, passing steam through the filter cake until substantially all of the occluded air is removed as indicated by cessation of flow of water from the cake into the filtrate, and then adding water to the filter cake to produce an indigo paste of desired concentration.

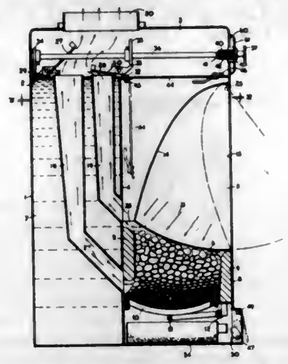
2,559,270
MEAT-TENDERING MACHINE
Scott M. Abbott, Chicago, Ill., assignor to Tenderet Corp., Chicago, Ill., a corporation of Illinois
Application March 31, 1947, Serial No. 738,377
8 Claims. (Cl. 17—25)



1. A machine of the class described comprising a head including bladed means for operating on a product, a ram for supporting said head, means associated with said ram for reciprocating said ram and for indexing said ram through predetermined angular increments including a follower carried by said ram and a cam in operative relation with said follower, a hollow cylindrical second cam surrounding the ram, a second follower carried by said ram, and said second cam having a plurality of axially-disposed slots operatively engageable by said second follower, said first mentioned cam including an actuating portion for indexing said ram and a portion for reciprocating said ram, said slots being adapted to determine the extent of each indexing movement of said first-mentioned cam.

2,559,271
FIREPLACE WITH MOVABLE REFLECTOR
Richard Baines, Preston, England
Application February 18, 1947, Serial No. 729,373
In Great Britain February 22, 1946
12 Claims. (Cl. 126—136)

1. In a domestic heating installation of the open-fronted type, such as a fireplace or a stove, means forming a combustion chamber for solid fuel, a radiant heat reflector arranged above the combustion chamber and behind the opening in the front of the installation and extending upwardly and forwardly from a position adjacent the rear top portion of said chamber to the upper margin of said opening, and a main flue and an auxiliary flue leading from the combustion chamber at levels one below the other, the entrance to the main flue being located substantially below the level of the upper surface of said solid fuel under normal grate load conditions so as to induce down draft through a substantial portion of said solid fuel and the entrance to said auxiliary flue being located near the upper surface of said solid fuel under normal grate



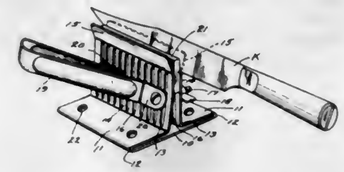
load conditions so as to draw off products of combustion from the upper surface of said solid fuel.

2,559,272
HEAT EXCHANGER
József Beck, Budapest, Hungary, assignor to Ungarische Radiatoren Fabriks Aktiengesellschaft, Budapest, Hungary, a corporation of Hungary
Application September 10, 1948, Serial No. 48,724
In Hungary September 6, 1947
1 Claim. (Cl. 257—124)

A radiator for room heating comprising a linearly extended element constituted by a seamless tube with a pair of oppositely arranged fins integral therewith and extended longitudinally thereof, said element being shaped into a coil, adjacent convolutions of said coil substantially lying with their fins edge to edge in close proximity to one another so as to form a cylindrical hollow body, said hollow body being open at its top, a bottom cover closing said hollow body at its lower end; said fins having transversal slots therethrough, thereby to allow said hollow body to draw in, as a flue, air to be heated in subdivided fine streams through said slots and discharge the heated air at and through the open top of said hollow body.

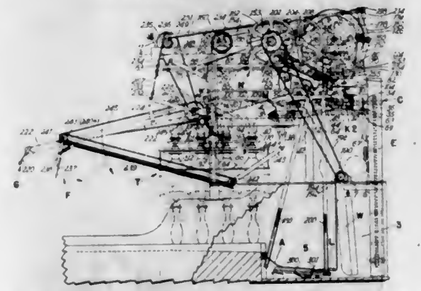
2,559,273
KNIFE SHARPENER
Glenn A. Brinkley, Youngstown, Ohio
Application July 17, 1950, Serial No. 174,344
5 Claims. (Cl. 76—88)

4. A knife sharpener including a pair of flat vertically standing body members, means on the opposed surfaces of the body members forming a plurality of vertically standing ribs, bolts interconnecting the body members midway between their upper and lower edges for urging the same toward one another and a section of flat file positioned between the oppositely disposed ribs on the body members and retained by clamping action thereupon, the upper longitudinal edges of the



said body members being angularly outturned to form spaced oppositely disposed guides for a knife blade with respect to the opposite sides of the said file blade.

2,559,274
BOWLING PIN SETTING MACHINE
William C. Broekhuysen, Garden City, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application November 9, 1945, Serial No. 627,605
19 Claims. (Cl. 273—43)



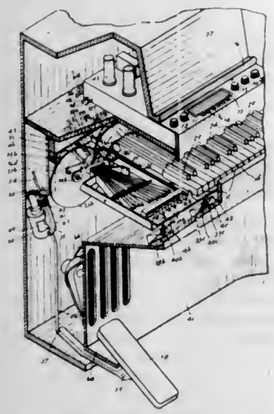
1. In an automatic bowling pin setting machine for use with a bowling alley provided with a pin supporting playing bed, mechanism for removing fallen pins from said alley after the first ball of a frame is thrown, mechanism for removing all fallen and standing pins from said alley after the second ball of a frame is thrown, means for returning the ball to the player, means for placing a set of pins on said bed pending the throwing of the first ball of a frame, electromagnetically operated mechanism for controlling the operation of said machine in conformity with the number of pins knocked down by the first ball of a frame for spotting a new set of pins on said alley or respotting any standing pins thereon, electro-magnetically operated mechanism for controlling the operation of said machine after the second ball of a frame is rolled to spot a new set of pins on said alley, said two last-named mechanisms including a timing cam shaft, a plurality of timing cams mounted on said shaft, means for rotating said shaft after each ball is thrown, a selectively actuated electric circuit operatively connected with said control mechanisms, sets of contacts in said circuit constructed and arranged to be operated by selected cams on said shaft for connecting selected contacts with said circuit, a plurality of switches, each of said switches being connected in series with one of said contacts, and an actuating device for operating selected switches for placing said switches in series with another of said contacts.

2,559,275
CELLULAR PLASTIC WAD
John Thompson Brown, Montchanin, Del., and Benjamin K. Daubenspeck, Stratford, Conn., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application July 3, 1947, Serial No. 758,832
12 Claims. (Cl. 102—42)



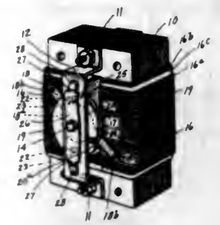
1. A shot shell wad comprising a unitary, substantially circular cylindrical body having substantially the diameter of the inside of a shot shell, said body consisting of a single piece, substantially the full size of said body, of a cellular, expanded, plastic containing a multiplicity of non-communicating empty cells separated by permanently crushable, relatively thin, walls of the solid plastic.

2,559,276
PHOTOELECTRIC MUSICAL INSTRUMENT
Rollin E. Campbell, Anderson, Ind.
Application May 9, 1947, Serial No. 747,073
8 Claims. (Cl. 84—1.18)



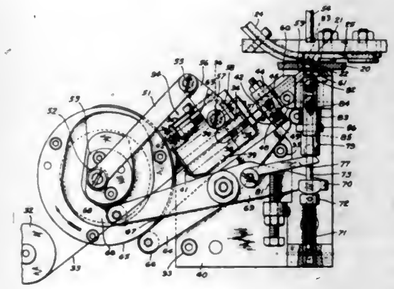
1. A musical instrument having a plurality of octaves activating a photocell coupled to an amplifier and sound producing means with each octave comprising a frame supporting a shaft upon which a plurality of keys are pivoted, the keys oscillating between vertical guides and horizontal bumpers secured to the frame, a group of counterbalanced shutter-bars rockably mounted on a shaft supported by the frame, one end of each shutter-bar being pivotably attached to a key at a point below the key's operating surface and with the free ends of the shutter-bars grouping together between adjustable guides secured to the frame, a tone wheel mounted on and driven by a motor mounted on the frame, a mirror adjustably mounted on the frame, a light bulb in a socket attached to the frame; the light bulb being positioned to shine through the tone wheel toward the group of shutter-bars, the light being effectively blocked thereby, except when a shutter-bar is moved by the motion of the key to which the shutter-bar is attached, at such times the light being free to pass on to the mirror where it is reflected to the photocell.

2,559,277
VOLTAGE VARIATOR CONTROL
Harold E. Carson, Indianapolis, Ind.
Application October 12, 1948, Serial No. 54,061
4 Claims. (Cl. 171—119)



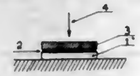
1. A voltage variator comprising a pair of concentric coils, a second pair of concentric coils, line terminals, load terminals and oscillatable finger for each outer coil and arranged for wiping electrical contact with the insulated turns thereof, means electrically connecting the fingers together, means for simultaneously moving both fingers, and core means within each pair of concentric coils, one load and one line terminal having direct connection, and the other line and load terminals having connections to one end of the inner coils, one position of the fingers effecting line voltage application upon the load.

2,559,278
MACHINE FOR ASSEMBLING AMMUNITION COMPONENTS, INCLUDING RESISTANCE WIRE
John P. Catlin, Bridgeport, and Warren S. Reynolds, Stratford, Conn., and Howard E. Hutzelman, Wilmington, Del., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application October 18, 1944, Serial No. 559,218
9 Claims. (Cl. 86—10)



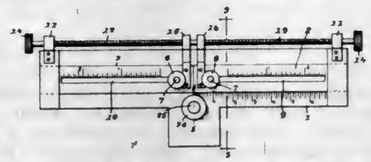
1. In a machine of the character described, the combination comprising means to feed a strand of wire in measured lengths through the hollow in a hollow article; a slotted wire receiving and component part positioning means, said positioning means being reciprocable through said hollow article to a component part receiving position; means to feed a component part to said positioning means; and means to move said positioning means back through said article and thereby to insert the component part into said article to engage said wire between the said component part and the said hollow article.

2,559,279
MANUFACTURE OF ELECTROLUMINESCENT SCREENS
Daniel Charles, Paris, France, assignor to Compagnie Generale de T. S. F., a corporation of France
Application February 27, 1948, Serial No. 11,672
In France March 27, 1947
2 Claims. (Cl. 117—33.5)



1. Process of manufacturing an electro-luminescent screen, comprising the following steps: spraying uniformly directly on the surface of a soft metal support plate of aluminum, a thin layer of crystals of a luminescent substance whose hardness is greater than that of the substance of said plate, applying on said layer a pressing plate of a substance of greater hardness with respect to said crystals, and applying at normal temperature a pressure on said pressing plate thereby distributing uniformly and simultaneously the pressure over all said layer, and thereby forcibly embedding said crystals in the support plate.

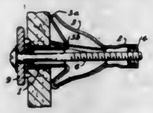
2,559,280
CENTER AND ECCENTRIC POINT MARKER
Henry C. Cochran, Oakland, Calif.
Application August 7, 1946, Serial No. 688,929
2 Claims. (Cl. 33—191)



2. A centering and layout tool comprising a base, a pair of scales slidably mounted on said base, there being a longitudinally extending slot in each of said scales, a pair of blocks positioned below said base and provided with opposed V-shaped cutouts for engaging a work piece therebetween, a stud connected to each of said blocks and extending upwardly through a complemental slot in one of said scales, the upper end of each of said studs being exteriorly threaded, a thumb nut arranged in engagement with each of said studs for releasably clamping said blocks to said scales, a pair of spaced parallel bushings projecting from said base, a traversing bar rotatably supported by said pair of bushings, said bar being provided with oppositely threaded sections, an arm secured to each of said scales and arranged in threaded engagement with the sections of said traversing bar, and a thumb wheel mounted on each end of said traversing bar.

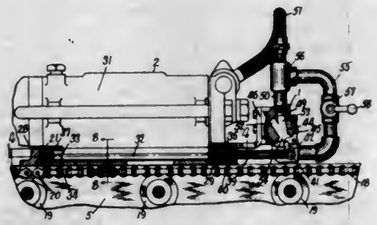
2,559,281
ANCHORING SOCKET FOR BOLTS
George Frederick Croessant, Wyomissing, Pa.
Application July 1, 1948, Serial No. 36,475
3 Claims. (Cl. 85—2.4)

2. A wall clamping socket for bolts, comprising a pair of sleeves in spaced coaxial relationship, a nut attached to one of said sleeves, said sleeves being interconnected by a plurality of longitudinally extending, transversely flat strips which are integral with said sleeves, each of said strips being gradually tapered in width from said sleeves to an intermediate point which is closer to one sleeve than the other, nut-attached sleeve, the edge portions of said strips adjacent to said one sleeve having arcuate cutout portions to provide weakened spots, said strips having reverse bends extending radially inwardly and longitudinally from said intermediate point to a point adjacent said nut-attached sleeve and terminating in an outward curve at the point of connection with the nut-attached sleeve, and a threaded bolt extending through said sleeves



and threadedly engaged with said nut for drawing said sleeves axially together upon turning of the bolt, whereby said strips will be collapsed outwardly and said intermediate points will be brought into engagement with the rear surface of a wall when said one sleeve is extended through a hole in said wall, and whereby said reversely bent strip portions form a yieldable anchor which will not become loosened as the result of excessive vibration.

2,559,282
ROCK DRILL
John C. Curtis, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application February 23, 1946, Serial No. 649,496
19 Claims. (Cl. 255—45)

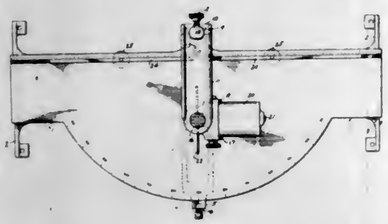


2. In a rock drill, the combination comprising a fluid actuated drilling motor for actuating a drill bit to effect drilling of a hole, feeding means for said motor for feeding the drill bit relative to the work, means for operatively connecting said feeding means to said drilling motor and embodying a connection permitting limited relative longitudinal movement between said motor and an element of said connecting means, manually operable means for controlling said feeding means to effect application of varying feeding pressures to the drill bit, control valve means carried by said element of said connecting means and actuatable to regulate the flow of operating fluid to said motor to vary the operating speed of the latter, and operating means operatively connected to said control valve means and to said motor and responsive to such relative longitudinal movement resulting from such varying feeding pressures for variably actuating said motor control means.

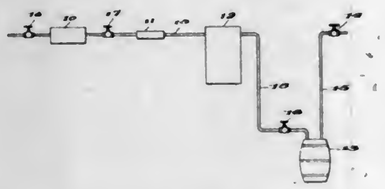
2,559,283
MULTIPLE PURPOSE RADIAL SAW
Henry Dick, Jr., Portland, Oreg.
Application October 24, 1949, Serial No. 123,283
1 Claim. (Cl. 143—6)

A radial saw comprising in combination a horizontal table of arcuate shape across its front

edge for the major portion of its length and terminating at both of its ends in inset front edges parallel to the rear edge of said table to serve as limit stops, a horizontal track disposed below said table and pivotally attached at one of its ends to the rear edge of said table and movable with respect thereto through various degrees of a circle defined by said arcuate portion toward each of said limit stops, the forward end of the track being turned upwardly into sliding contact with the front edge of said arcuate portion of the table, means extending through said upwardly turned portion of the track and engageable with said front edge of said arcuate portion for locking the track thereto in any adjusted position between said limit stops, a carriage slidably mounted in said track and extending rearwardly therefrom, a vertical column secured to the rear end of said track, a horizontal bracket terminating at its rear end in a downwardly extending portion slidably mounted on said column and lockable with respect thereto in various vertically adjusted positions, the opposite or forward end of said bracket terminating in a horizontal bearing plate, a companion bearing plate pivotally attached face to face to said first mentioned plate and lockable thereto in various rotatably adjusted positions, a pair of arms depending from said companion plate, a motor-driven saw pivotally attached to the lower ends of said arms whereby, through the medium of said track, column, bracket and arms, the saw may be moved forwardly and rearwardly with respect to said table through the degrees of a circle defined by said arcuate portion of the table toward said limit stops, and tilted to either side of a vertical plane and raised and lowered with respect to said table.

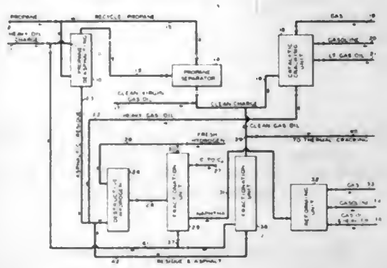


2,559,284
AIR FILTER FOR BEER PUMP PRESSURE SYSTEMS
Albert R. Dickschat, Struthers, Ohio
Application July 26, 1949, Serial No. 106,850
3 Claims. (Cl. 183—45)



1. A combination air filter and moisture trap for beer pump pressure systems comprising an elongated tubular container, removable end closure members for said container provided with inlet and outlet connections, spaced filtering chambers in said container adjacent the ends thereof, fibrous filtering material disposed in said chambers, an elongated chamber in said container intermediate said filtering chambers, the surrounding wall of said chamber diverging uniformly from one of said filtering chambers to an intermediate portion of maximum diameter and then converging uniformly from said portion of maximum diameter to the other of said filtering chambers, and a valved drain connected to said intermediate portion of maximum diameter.

2,559,285
CATALYTIC CRACKING AND DESTRUCTIVE HYDROGENATION OF HEAVY ASPHALTIC OILS
William C. Douce, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 2, 1948, Serial No. 319
1 Claim. (Cl. 196—14.11)

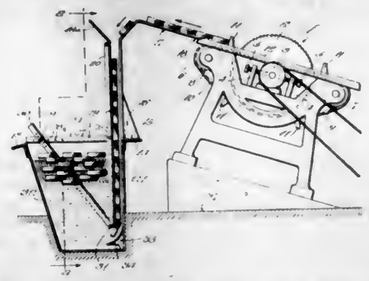


A combination process for up-grading asphaltic residue and heavy oil simultaneously, which comprises liquid phase propane deasphalting a dirty topped crude oil which boils above 800° F., recovering a clean asphalt free heavy oil which is catalytically cracked over a suitable catalyst in admixture with a virgin gas oil boiling in the range of 550 to 800° F., separating the effluent from said catalytic cracking into gas, gasoline, light gas oil, and heavy refractory gas oil, subjecting dirty asphaltic materials boiling above 1000° F. separated from said heavy oil in said propane deasphalting along with said heavy refractory gas oil from said catalytic cracking to destructive hydrogenation in the presence of hydrogen and over a catalyst immune to sulfur poisoning, separating effluent from said destructive hydrogenation and recovering hydrogen which is recycled to said destructive hydrogenation, C_1 to C_4 hydrocarbons, naphtha, clean gas oil, and asphaltic residue, reforming said naphtha thereby producing gas, gasoline, gas oil, and residue, passing said clean gas oil from said destructive hydrogenation and said asphaltic residue from said destructive hydrogenation to said propane deasphalting, and recovering greater quantities of improved gasoline and gas oil as products of the process.

2,559,286
LUMBER DIPPING APPARATUS
Arthur E. Downes, Greenwich, Conn.
Application January 24, 1946, Serial No. 643,080
2 Claims. (Cl. 21—69)

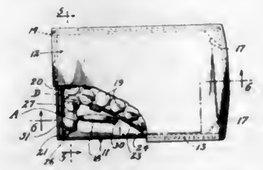
1. In a lumber treating apparatus, a tank adapted to contain a lumber treating fluid a baffle plate disposed in the tank in spaced relation to the tank wall defining a channel with the wall, the lower end of the plate terminating a short

distance above the bottom of the tank and the upper end of the plate extending above the tank, the channel being adapted to receive superimposed pieces of lumber, guiding means extending upwardly from the tank wall in spaced parallel relation to the area of the plate above the tank to provide a prolongation of the channel within the tank whereby the superimposed pieces of lumber and gravity will guide the lumber downwardly through the channel into the treating fluid, a curved guiding means in the tank below the lower



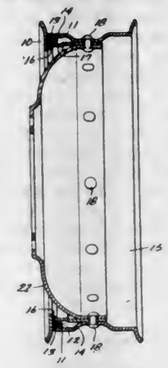
end of the plate to direct the lumber leaving the channel outwardly away from the channel into the central zone of the tank, a beam extending transversely of the tank at each end thereof, means securing the ends of said beams to the baffle plate and the tank above the treating fluid level in the tank, a brace attached to each of said beams and extending diagonally downward therefrom into the fluid in the tank, and means to connect the lower end of each brace to the plate.

2,559,287
DISPENSING CONTAINER
Edith B. Duell, Pittsburgh, and Anthony Breau, Philadelphia, Pa.; said Breau assignor to said Duell
Application April 14, 1949, Serial No. 87,444
8 Claims. (Cl. 206—42)



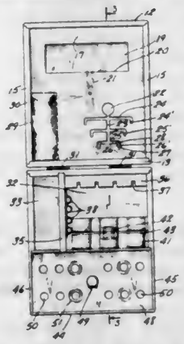
1. A dispensing container for small disc-like articles and similar articles having a diameter greater than their thickness, of the type employing a sliding cover with a projecting flange near one edge of said cover cooperating with a projection in the box spaced from one end to push all but one of the articles into a closed portion and leaving only said one article in the said space between said projection and the end of the container, including a guide member carried by said cover cooperating with the projection in the box to guide said one article to said space, said guide member having a stepped notch, one step of which enables an article to pass to said space in flatwise position and the other step of which enables an article to pass to said space in edgewise position, and said flange having a notch the dimension of which in width and depth is slightly greater than the diameter of an article to enable said article to pass to said space when in either of said positions.

2,559,288
SEPARABLE AND DEMOUNTABLE TIRE RIM
Louis J. Ebert, Little Valley, N. Y.
Application November 15, 1948, Serial No. 60,145
5 Claims. (Cl. 152—412)



5. In a motor vehicle wheel, the combination which comprises a rim having an annular mounting cylindrical band with a permanent flange at one side, a removable tire retaining flange having a laterally inwardly extended annular ring thereon positioned on the opposite side of the rim, said ring of the tire retaining flange and tire mounting band having interengaging lugs on adjoining surfaces thereof, a radially disposed inner annular web spaced from the mounting band and positioned on the side of the rim opposite to that on which the permanent flange is positioned, and a U-shaped rubber ring carried by the radially disposed inner annular web resiliently urging said tire retaining flange away from the rim to hold the said interengaging lugs in locking engagement.

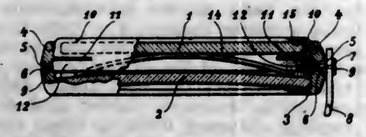
2,559,289
MAN'S JEWELRY ACCESSORY BOX
Leo Eisen and Stephen Eisen, New York, N. Y.
Application July 28, 1950, Serial No. 176,454
3 Claims. (Cl. 206—1)



1. In a container of the character described, a shallow hingeable cover and a deep base, said cover having an inner member covering the entire inside of said cover, said inner member spaced slightly apart from the inner top of said cover, a substantially large opening in said inner spaced member for housing tie and money clips, a circular opening and a series of stalls communicating with said circular opening in said inner spaced member, said circular opening being

slightly larger than the average base of a collar button and said stalls being slightly larger than the average neck of a collar button, said circular opening being nearer to the front of said cover than said stalls, a cushion attached to said inner spaced member in one corner of said cover for housing tie pins and the like, said deep base comprising compartments, one of said compartments having an angular ledge at its upper portion, said ledge having a series of spaced notches for housing cuff links, a series of vertically disposed pockets attached to one wall of said compartment for housing collar stays and the like, a shoulder around the upper portion of another compartment adapted to receive an inner cover, said inner cover having a finger knob in the central portion thereof and a series of holes sufficiently large to receive the pivoted ends of pivoted cuff links while preventing the ornamental end of said cuff links from passing therethrough, said holes adapted to house several sets of pivoted cuff links and a secret compartment beneath said inner cover.

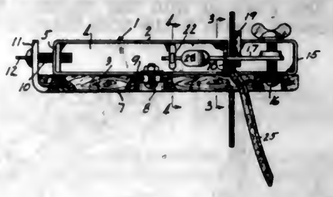
2,559,290
FRAME FOR OPTICAL MIRRORS
Max Engelmann, Wetzlar/Lahn, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany, a corporation of Germany
Application September 21, 1950, Serial No. 186,033
In Germany January 9, 1950
2 Claims. (Cl. 88—96)



1. A device of the character described comprising an inner ring and an outer ring, the inner ring fitting tightly slidably within the outer ring, a flange on each of said rings, a mirror element within each ring resting against the flange thereof, a spring between said mirror elements for supporting the same against their respective ring flanges, means for detachably uniting the said two rings to frame the said mirror elements, said means consisting of an annular recess within the outer ring and yieldable deformable portions on the inner ring automatically engaging the said recess when the inner ring is inserted within the outer ring, said portions being manually deformable to release the same from engagement with the said recess for separating the two rings, and apertures in said outer ring for manually engaging the said portions to separate the rings.

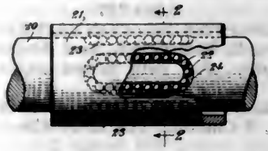
2,559,291
CUTTING TOOL FOR STRIPS OF LEATHER
John Engeln, Vancouver, Wash.
Substituted for abandoned application Serial No. 632,931, December 5, 1945. This application July 11, 1947, Serial No. 761,117
1 Claim. (Cl. 30—283)

A device for cutting leather into strips comprising in combination an elongated base, an elongated box-like frame having a top wall, bottom wall, rear wall and end walls, an adjusting screw carried by the base and extending through one of said end walls of the frame for moving the frame lengthwise of the base, the other of said end walls being formed with a plurality of spaced-apart horizontal slots, a second frame secured to said base in axial alignment with the first mentioned frame and having a top wall, bottom wall, rear wall and an end wall, said end wall of said second frame being adjacent to said end wall of said first frame having slots formed therein, said end walls being variably spaced-apart to receive the material to be cut, a threaded vertical shaft extending through said second frame, a horizontally disposed cutting blade pivotally mounted on said shaft and adapted to be raised and lowered thereby for selective engage-



ment with the slots in said other end wall of said first mentioned frame, a vertical flange carried by said blade and disposed between the variable spaced-apart adjacent ends of said frames to complete the end wall of the second frame, means adjustably extending through said rear wall of the first mentioned frame and embracing said cutting blade for maintaining the blade within any one of the said slots in the end wall of said first mentioned frame.

2,559,292
ANTIFRICTION BEARING FOR SLIDING MEMBERS
Hulbert K. Ferger, Flushing, N. Y., assignor of one-half to John B. Thomson, Plandome, N. Y.
Application January 11, 1945, Serial No. 572,404
4 Claims. (Cl. 308—6)

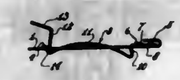


1. An anti-friction bearing for longitudinal travel on a shaft or the like, comprising, in combination with the shaft, a sleeve provided with a plurality of pairs of longitudinally extending ball-guides having bearing-balls therein all of the same size, the balls in one of the guides of each said pair being in bearing contact with both the shaft and sleeve while the balls in the other guide of that pair are not in bearing contact with the shaft and sleeve but are free to travel therein, said sleeve having a counter-bore at each end thereof, separately formed pieces secured in said counter-bores and providing within the respective areas defined by the counter-bores a plurality of approximately semi-circular ball-guides the ends of each of which are continuous with the respective adjacent ends of one of the said pairs of longitudinal ball-guides, and bearing balls in each of the semi-circular ball-guides of the same size as the aforesaid bearing-balls but not in bearing contact with the shaft and sleeve.

2,559,293
FABRIC CLASP CONSTRUCTION
Walter Gadomski, Thompsonville, Conn.
Application April 28, 1950, Serial No. 158,685
1 Claim. (Cl. 24—259)

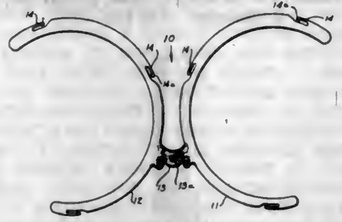
A clasp for diapers and the like comprising a frame plate of thin resilient spring metal having

an elongated opening and an inwardly protruding lip edge at the outer end edge of said opening and an elongated spring metal tongue member of less transverse width than the width of said opening extending longitudinally of said frame, said member having a flat inner end portion lying at the inner end of said plate adjacent the inner end edge of said slot with interlocking means at said end holding the flat relationship of said end portion against said plate, an integral abutment portion downwardly angled from said end in acute angular relationship therewith, a central portion arcuately curved from the end of said abutment in acute angular relation therewith and extend-



ing forwardly and upwardly through the slot, a forward abutment in acute angular relation with the central portion extending upwardly therefrom and having a pronounced forwardly distended rolled portion integrally connecting said central portion and abutment as a beaded edge, the upper end of said forward abutment extending forwardly and overlying the outer end of said plate, the inner end of said central portion being maintained in a downwardly offset position from the plane of said plate for holding said forward abutment in releasable engagement against the forward edge of said slot with said beading below said forward slot edge.

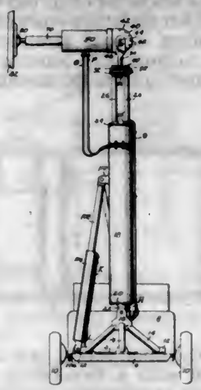
2,559,294
DETACHABLE BUST SEPARATOR
Ruth M. Goddard, New York, N. Y.
Application April 23, 1949, Serial No. 89,288
1 Claim. (Cl. 2—302)



An attachment for brassières comprising a plastic frame having a pair of semi-circular, oppositely disposed spaced loops, each loop formed of an upper and a lower member adapted to partially encircle the breasts of a wearer, a bridging member integrally joining said loops, said bridging member including an inwardly offset portion disposed substantially below the horizontal medial line of said frame, each of said loops having a plurality of hooks providing means for detachably mounting said frame upon a brassière.

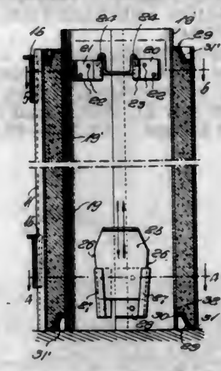
2,559,295
AIRPLANE WASHER
Frank E. Grossenbacher, North Hollywood, Calif.
Application April 3, 1947, Serial No. 739,107
5 Claims. (Cl. 15—98)

4. In an airplane cleaner, the combination of an extensible support, means pivoting the same in a vertical plane on a mobile conveyance, a cleaning head, a casing pivotally mounted on the support, a hydraulic motor means in the casing for turning the head, and fluid pressure means in the casing for maintaining the head with a



predetermined pressure against an object to be cleaned.

2,559,296
PIPE MOLD
Augustus Hansen, Lakeside, Ariz.
Application June 19, 1947, Serial No. 755,332
2 Claims. (Cl. 25—127)

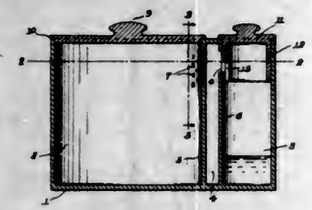


1. In a composition pipe mold of the type having an inner mold section and a concentrically disposed outer mold section, each section being formed from metal plates, the ends of the metal plates being arranged in overlapping relationship, and means for securing the ends of the outer mold section, the improvement comprising a bracket adjacent each free edge of the said plate forming the inner mold section, a clamp engaging said brackets whereby the plate will be held in a substantially tubular form, an inclined guideway adjacent each free edge of the plate near the lower end thereof, and a wedge element adapted to be lodged in said guideways to prevent the collapse of the plate when in tubular form.

2,559,297
HUMIDIFIED RECEPTACLE FOR SMOKING TOBACCOS
Jerome J. Hasbrook and Robert R. Hasbrook, Columbus, Ohio
Application April 12, 1947, Serial No. 741,126
5 Claims. (Cl. 312—31.2)

1. A tobacco humidor comprising a body formed with a first tobacco-receiving chamber and a second separate open-topped chamber

adapted for the reception of a body of moisture-emitting liquid, said second chamber being provided a distance below its open top with an opening through which moisture emitted from a body of liquid contained in said second chamber may normally pass to humidify tobacco contained in said first chamber and a lid member removably



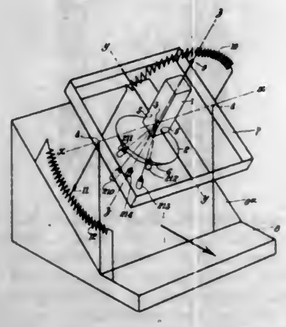
carried within the open top of said second chamber and formed with a depending skirt portion extending within said second chamber, the skirt portion of said lid member being adjustable within said second chamber with respect to the opening provided therein to control the passage of moisture from said second chamber to said first chamber.

2,559,298

AUTOMATIC PILOT WITH FRICTIONAL PRECESSION AND ELECTRIC FOLLOW-UP CONTROL

Frank A. Hayes, Middletown, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application July 31, 1946, Serial No. 687,475
9 Claims. (Cl. 244—79)



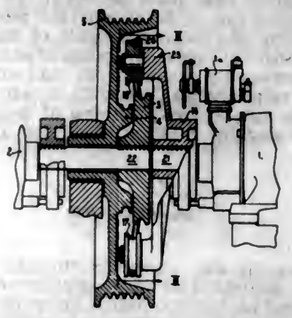
5. A system for controlling the course of aircraft in space, comprising, an aircraft having movable control surfaces, a spinning rotor mounted for universal movement relative to said aircraft, a predetermined position for the axis of said spinning rotor relative to said aircraft, means for maintaining said predetermined rotor-axis position relative to said aircraft including means responsive to changes in said position for moving said control surfaces to correct said change, and means for selectively shifting said rotor-axis in space out of said neutral position for altering the course of said aircraft in space, said last-mentioned means including solenoid-actuated frictional contact pins for applying forces normal to the surface of said rotor at preselected stationary points with respect to said aircraft, which forces react on the spinning rotor to apply torques causing precession thereof in any desired direction.

2,559,299

CONVEYING DEVICE

Johannes H. Helling, Rotterdam, Netherlands

Application December 18, 1946, Serial No. 716,982
In the Netherlands June 17, 1946
8 Claims. (Cl. 74—217)



1. In a conveying device comprising a driven cable-pulley and a driving shaft the provision of a reduction gear between said cable-pulley and the driving shaft, said reduction gear comprising two pulleys mounted coaxially with respect to the driving shaft, one of said coaxial pulleys being rotatable with respect to the other and secured to the cable-pulley and a member carrying at least two rollers being secured to the driving shaft, the axis of said rollers extending parallel to the driving shaft and said rollers being coupled to the coaxial pulleys by means of at least one endless transmitting element.

2,559,300

WINDOW

Joseph E. Hines, Washington, D. C.

Application November 15, 1946, Serial No. 710,180
2 Claims. (Cl. 189—72)



1. In a window of the type having vertically movable upper and lower sashes, a window frame which includes vertically disposed stiles each having spaced vertical runways therein with the runways of one stile being opposite the runways in the other stile, vertically spaced pulleys mounted on each stile with opposite portions of their peripheries disposed in adjacent runways in their respective stiles, cables trained over the pulleys on the respective stiles, elongated channel shaped sash carriers slidably mounted in the runways in spanning relation with the pulleys and cables

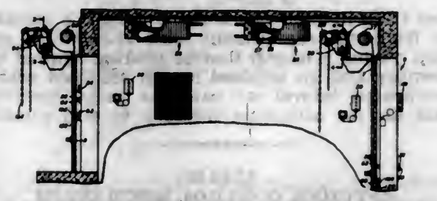
therein, means carried by the cables and engaging the sash carriers for moving said sash carriers as the cables are moved, and sashes mounted in the runways and connected to the sash carriers for movement in unison therewith.

2,559,301

DOOR CONTROL SYSTEM

Harvey K. Jones, Parkville, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 28, 1949, Serial No. 118,410
4 Claims. (Cl. 268—19)



1. A door control system, which comprises a chamber having an entrance doorway and an exit doorway, an entrance door mounted in the entrance doorway for movement between an open position and a closed position, a second door mounted for movement in the exit doorway, a reversible electric motor for moving the entrance door, a source of electrical power, a limit switch closable by the second-mentioned door when the second-mentioned door is not closed, a second reversible electric motor for moving the second-mentioned door, a second limit switch closable by the entrance door when the entrance door is not closed, a blocking relay having a winding in series with the first-mentioned limit switch and the source of electrical power and contacts for preventing operation of the first-mentioned motor when the second-mentioned door is not closed, a second blocking relay having a winding in series with the second-mentioned limit switch and the source of electrical power and contacts for preventing operation of the second-mentioned motor when the first-mentioned door is not closed, means including a manually operable switch having normally open contacts in parallel with the winding of the first-mentioned relay and the first-mentioned limit switch for actuating the second-mentioned motor to open and close the second-mentioned door, and means including a manually operable switch having normally open contacts in parallel with the winding of the second-mentioned relay and the second-mentioned limit switch for actuating the first-mentioned motor to open and close the first-mentioned door.

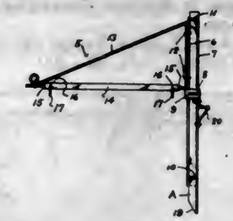
2,559,302

SIGN POST

Nathan Louft, Silver Spring, Md.

Application March 28, 1949, Serial No. 83,960
1 Claim. (Cl. 40—125)

A sign post comprising, an upper angle iron member including a sign supporting bracket, a stop lug formed on one side of the upper member and disposed in spaced relation to the other side thereof, a lower angle iron member including a foot piece, slidably resting against the inner surface of the upper member with the outer edge portion of one side thereof slidably disposed between the aforesaid lug and opposed side of the upper member, a stop lug formed on the upper end of the lower member in opposed relation to the first mentioned stop lug, a substantially rectangular clamp slidably surrounding the



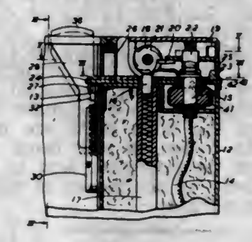
upper and lower angle iron members, and a thumb-screw threaded through the clamp with its inner end removably engaging one side of the upper member.

2,559,303

COMBINED CIGARETTE CASE AND FRICTION LIGHTER

Julius Lowenthal, London, and Cecil Wilfred Moore, Leeds, England, assignors to Colibri Lighters Limited, London, England, a company of Great Britain

Application October 1, 1947, Serial No. 777,152
In Great Britain December 2, 1946
6 Claims. (Cl. 206—41.4)



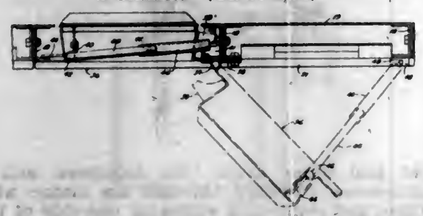
1. A combined cigarette case and automatic friction lighter mechanism comprising a casing having a cigarette compartment and a lighter compartment, a lid hinged to said casing for closing said cigarette compartment, a cover hinged to said casing for closing said lighter compartment, spring means urging said lighter compartment cover into an open position, means connected to said cover for actuating said friction lighter mechanism as said cover is opened, releasable latch means on said casing adapted to engage said lighter compartment cover to retain it in its closed position, a first operating member carried by said casing, connecting means between said first operating member and said latch means, and a second operating member carried by said cigarette compartment lid, said first operating member being disposed in the path traversed by said second operating member when said lid is being opened and closed so that movement of said lid will carry said second operating member past said first operating member and said second operating member will ride over and displace said first operating member and thereby move said latch means to permit said lighter compartment cover to be opened by said spring means and actuate said lighter mechanism, and disengaging means including a spring for displacing one of said operating members against the action of said spring whereby these two members will not then engage during opening and closing of said cigarette compartment lid.

2,559,304

LATCH FOR REFRIGERATOR CAR DOORS

John S. Lundvall, Park Ridge, Ill., assignor to Union Asbestos & Rubber Company, a corporation of Illinois

Application April 1, 1944, Serial No. 529,134
2 Claims. (Cl. 20—21)



1. In a closure for an opening in a bulkhead or the like having spaced parallel beams adjacent to the opposite sides of the opening and formed with flanges at one face of the bulkhead parallel to the plane of the bulkhead, a relatively thick door having flat parallel inner and outer surfaces fitting into the opening to close, a vertical hinge pivotally connecting one edge of the door to one of the beams, an elongated latch rod rotatably carried by the other edge of the door between the planes of the door inner and outer surfaces, latch arms carried by the latch rod and projecting outward therefrom to engage one side of the flange on the adjacent beam, the door having an edge flange thereon to engage the opposite side of said flange, the latch rod projecting above the door and having an operating arm projecting at an angle from its upper end positioned to lie between the planes of the door inner and outer surfaces when the latch arms are in engagement with the flange on said beam and latch means to hold the operating arm in its latching position between the planes of the door inner and outer surfaces.

2,559,305

MANUFACTURE OF TANNING SUBSTANCES

Michael Mangold, Frankenau, near Aspang, Austria, and Fritz Neuber, deceased, late of Vienna, Austria, by Hilda Neuber, administratrix, Vienna, Austria

No Drawing. Application February 20, 1948, Serial No. 9,953. In Germany May 2, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 2, 1964
6 Claims. (Cl. 260—124)

1. A process for producing tanning substances from sulphite cellulose waste lye, which comprises treating said waste lye in form of a concentrated liquor of about 30° Bé. with concentrated caustic alkali solution containing at least 60 per cent of alkali hydroxide, maintaining the alkaline solution under atmospheric pressure at a temperature ranging from 60 to 100° C. for several hours, precipitating from the alkaline solution the tanning substances which formed during said treatment by addition of hydrochloric acid in an amount imparting a pH-value of about 5 to the resulting liquid, and removing the tanning substances from said liquid.

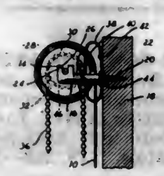
2,559,306

WINDOW SHADE ASSEMBLY

Gerald M. Marsh, Liberty, Mo.

Application June 1, 1948, Serial No. 30,281
1 Claim. (Cl. 160—296)

In a window shade assembly, an elongated roller; means at each end respectively of said roller for mounting the same on a window; a pulley secured to said roller adjacent one of said means; a flexible member looped over said pulley; and an elongated loop of resilient material interposed between the peripheral edge of said pulley



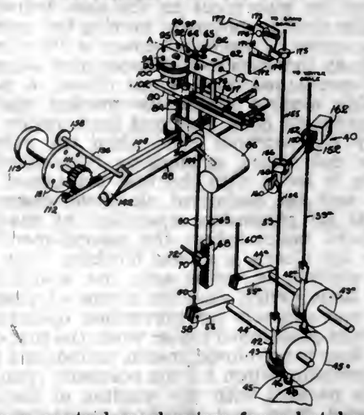
and the window for holding the flexible member in frictional engagement with the pulley, said loop having a length thereof bearing against the member and an opposed length provided with a perforated, lateral ear, said one means receiving said ear for attaching the loop to said window.

2,559,307

BATCHER CONTROL MECHANISM

Edwin O. Martinson, Champaign, Ill., assignor to The C. S. Johnson Company, Champaign, Ill., a corporation of Illinois

Application March 18, 1946, Serial No. 655,344
28 Claims. (Cl. 249—14)



3. In a control mechanism for a batcher having a plurality of weighing scales and means to cut off the flow of material thereto, the combination comprising: linkages connected to said scales and respectively displaced in accordance with the weight of material thereon, a cut-off control device associated with each of said linkages and operated upon the reaching of a predetermined displacement thereof, positioning means associated with each of said devices for respectively positioning said devices at a series of selectable locations relative to the associated linkage, and manually operated means for simultaneously controlling the location of each of said positioning means.

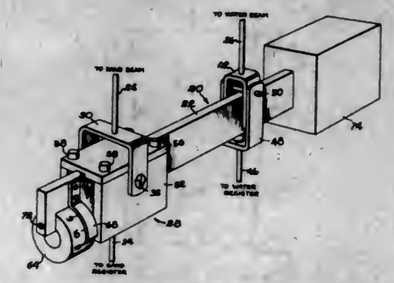
2,559,308

COMPENSATING WEIGHING DEVICE

Edwin O. Martinson, Champaign, Ill., assignor to The C. S. Johnson Company, Champaign, Ill., a corporation of Illinois

Application March 18, 1946, Serial No. 655,345
16 Claims. (Cl. 265—27)

3. In a device for use with a scale beam for registering the dry weight of an aggregate having an ascertained moisture content, the combination comprising: a compensator bar, means including a pivot for pivotally supporting said bar, means for connecting said scale beam to said pivoted bar at a point spaced from the pivot, registering means having a movable element deflecting in accordance with the force applied thereto, means for connecting said movable element to said pivoted bar at a point spaced from



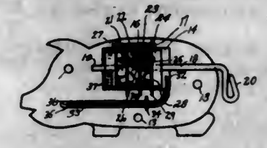
the pivot, and means for adjustably positioning at least one of said connecting means along said bar, said positioning means being so adjusted that the ratio of the length of the lever arm associated with said beam to the length of the lever arm associated with said registering means equals the proportion of dry aggregate in a given sample of moist aggregate.

2,559,309

COUNTING TOY

Clarence E. McCormick, Poland, Ohio

Application January 30, 1946, Serial No. 644,249
3 Claims. (Cl. 46—118)



1. In a counting toy a pair of oppositely disposed registering solid body members simulating an animal form, matching cavities formed in the said body members, a counting mechanism positioned in the said cavities, the said counting mechanism including an axially extending supporting and motivating shaft, one end of the said shaft extending outwardly of the said body members and shaped to simulate an animal's tail, registering openings in the said body members so that the counting mechanism may be viewed therethrough.

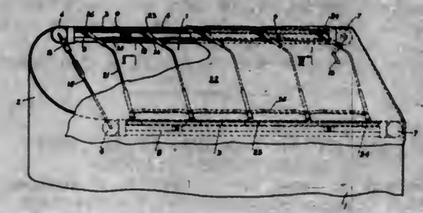
2,559,310

COLLAPSIBLE COVER FOR VEHICLES

John P. McNavage, McKees Rocks, Pa., assignor to Pittsburgh Steel Products Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 2, 1949, Serial No. 74,138
3 Claims. (Cl. 296—105)

3. A vehicle cover comprising a pair of spaced horizontal rails adapted to be mounted on opposite sides of a vehicle, a plurality of parallel bows extending across the space between the rails and movably supported thereby, a tarpaulin supported above said space by the bows to which it is attached, a narrow flexible metal strip extending lengthwise of each rail beneath the adjacent ends of the bows, said strips being provided below each bow with a short downwardly curved portion having a central opening through it, the bows being provided with openings aligned with the strip openings, fastening members extending through said aligned openings and loosely connecting the strips to the bows, the distance between the bows when



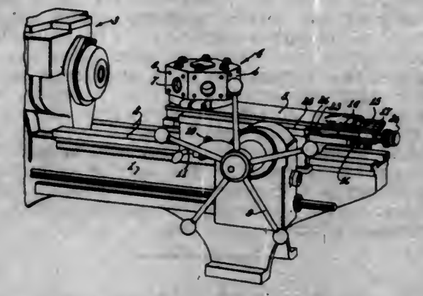
the tarpaulin is taut being less than the length of the metal strips between the bows, and means for moving the bows toward one end of the rails to fold the tarpaulin and thereby uncover the vehicle while the portions of said metal strips between the bows arch upward between them to lift the tarpaulin folds above the end portions of the bows.

2,559,311

SETUP GAUGE FOR ADJUSTING TURRET RAM FEED STOP MECHANISM

Walter A. Meissner, Feeding Hills, Mass., assignor to Meissner & Landauer, Feeding Hills, Mass., a partnership

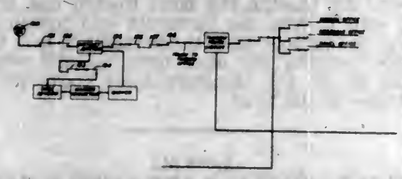
Application April 24, 1948, Serial No. 23,064
1 Claim. (Cl. 29—65)



In a turret lathe having a ram and a turret with tool holder faces for automatic and successive indexing on reciprocation of said ram, with adjustable stop elements at the back of the ram for determining the forward limit of ram travel for each position of the turret, and stationary ram hold down structure to guide said ram; a micrometer gauge device and mounting bracket therefore comprising a mounting hood for attachment to the movable ram at the rear thereof, a cylindrical bearing collar on the bracket with the axis of the bearing opening parallel with the path of said ram and offset in line with a rear edge of said hold down structure, a spring pressed latch lock in the collar with a plunger projecting in the bearing opening, a micrometer gauge barrel housing removably set in said bearing and provided with aligned spaced notches at fixed positions along its surface to receive said plunger, a micrometer spindle coaxially engaged in said barrel and extendable beyond the forward end

thereof, a sleeve in the barrel encasing said spindle and having a threaded connection therewith, a rotatable thimble with a shaft in the rearward portion of the barrel with the fore end of said shaft having a coaxial bore receiving the inner threaded end of said spindle, a key fixed in the bore of said shaft, and a longitudinal keyway cut in said spindle to receive said key for relative longitudinal movement of said spindle when said thimble rotates said shaft, said thimble having indicia for indicating the linear distance of travel of said spindle beyond the mouth of said sleeve.

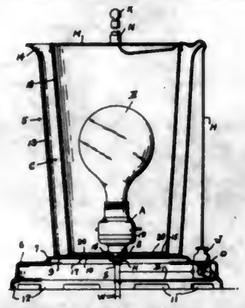
2,559,312
CROSSBAR TANDEM OFFICE FOR TELEPHONE SYSTEMS
James B. Newsom, Great Neck, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 17, 1948, Serial No. 60,503
11 Claims. (Cl. 179—18)



1. In a telephone system, an originating office, a tandem office, switching equipment at each of said offices, a trunk extending between said originating office and said tandem office, a plurality of service positions connectable to said trunk through the switching equipment at said tandem office, a sender in said tandem office associable with said trunk for registering the designation of any of said service positions, and a marker in said tandem office responsive to the code digits registered in said sender for controlling the extension of a connection from said trunk to the designated one of said service positions, said marker comprising first means responsive to the registration in said sender of a service code, and second means operable in response to said first means for translating the service code digits registered in said sender and for transmitting an indication for actuating means to control the extension of said connection.

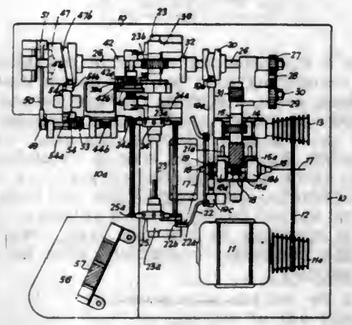
2,559,313
ILLUMINATED ARTIFICIAL FLOWER VASE
Hjalmar T. Nordstrom, Dearborn, Mich.
Application July 23, 1948, Serial No. 40,307
2 Claims. (Cl. 240—10)

2. An illuminated artificial flower vase comprising, a circular base having a raised center portion provided with a center hole surrounded by a plurality of ventilating passages communicating with other ventilating passages in the side of the base, a substantially frusto-conical outer shell resting on the raised portion of the base, a substantially frusto-conical inner shell resting on the bottom of the outer shell with its sides spaced from the sides of the outer shell, said outer and inner shells having center holes surrounded by a plurality of ventilating passages registering with the center hole and ventilating passages in the base, a switch type electric socket having a threaded hollow stem extending through the center holes of the base, outer and inner shells, a nut screwed on the outer end of the stem of the electric socket and securing the inner and outer shells on the raised portion of the base, an electric socket secured to the base outwardly of the raised portion thereof, an electric bulb removably secured in the switch type electric socket, a skeleton bracket removably mounted on the upper edge of the inner shell, an electric socket secured to the bracket, an



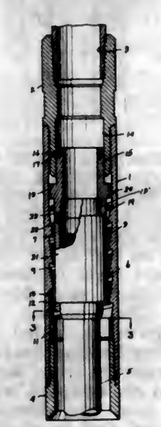
electric bulb removably secured in the socket of said bracket, an electric plug removably secured to that socket secured to the base outwardly of the raised portion thereof, an electric cord connecting the aforesaid electric plug to the electric socket on the bracket, and an electric circuit connecting the switch type electric socket and base supported socket to a source of electricity.

2,559,314
SKEIN WINDING MACHINE
Frank Osborne, Adlington, near Macclesfield, England, assignor to Wm. Ayrton & Company, Limited, Manchester, England, a British company
Application June 17, 1946, Serial No. 677,327
In Great Britain July 5, 1945
3 Claims. (Cl. 242—53)



1. A machine for the continuous winding of skeins of thread, comprising a rotatable winding head, a rotatable drum disposed in operative relation to said head and having a plurality of skein-holding arms arranged in pairs, and means synchronized with the winding but acting independently of the speed of rotation of the winding head for indexing the skein-holder drum immediately the winding head has completed a predetermined number of revolutions to move the holding members round to successive stations, said indexing means comprising a spring associated with the shaft of said drum, means for loading the spring as the winding progresses while holding the drum against rotation, means for releasing the drum on completion of the predetermined number of revolutions of the winding head thereby to permit instantaneous rotation of said drum by said spring to present the next pair of holding members to the winding head, thread severing means for severing a completed skein from the next succeeding skein and mechanism for actuating said severing means during any period of winding operation for another skein.

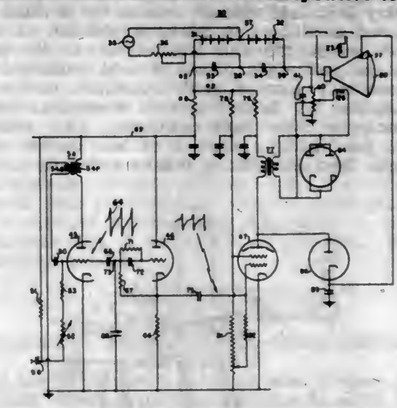
2,559,315
PACKER ASSEMBLY FOR OVERSHOTS
Dean W. Osmun, Houston, Tex.
Application December 13, 1948, Serial No. 64,935
5 Claims. (Cl. 294—86)



5. An overshot adapted to telescope over the upper end of a pipe stuck in a well bore and comprising, a tubular bowl having an inside seat, a grapple on the seat adapted to engage the upper end of the pipe over which the bowl is telescoped, a cylinder adjacent the upper end of the bowl, a tubular plunger in the cylinder whose upper end is exposed to the pressure of washing fluid downwardly through the overshot, a seal between the plunger and cylinder, the lower end of the plunger being adapted to land on the upper end of the stuck pipe and to be held thereagainst by said pressure, a seal carried by the lower end of the plunger and formed of resilient material to form a seal with the upper end of the stuck pipe, said seal extending beneath the plunger and being exposed to the pressure of said fluid to be expanded by such pressure into sealing contact with the upper end of the stuck pipe all the way around.

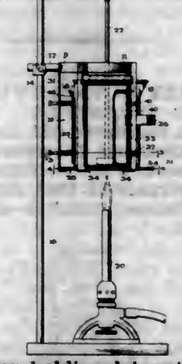
2,559,316
SWEEP CIRCUIT FOR TELEVISION RECEIVERS
Louis W. Parker, Little Neck, N. Y.
Application March 22, 1948, Serial No. 16,276
18 Claims. (Cl. 315—27)

1. A power-transformerless television receiver comprising a picture-reproducing tube having a coil for electro-magnetically deflecting the cathode ray beam of the tube in a horizontal direction, a circuit including an electron discharge tube supplying a current of saw-tooth waveshape to the deflecting coil, and a control circuit for the electron discharge tube arranged to operate it in class AB_2, said control circuit including a power tube, a generator of a saw-tooth shaped voltage, and a cathode-follower tube circuit responsive to said



saw-tooth voltage and having an output supplying signal energy to the power tube.

2,559,317
STAND
David Peristein, New Rochelle, N. Y., assignor to Rona Laboratories Inc., Mount Vernon, N. Y., a corporation of New York
Application February 6, 1948, Serial No. 6,747
4 Claims. (Cl. 248—125)

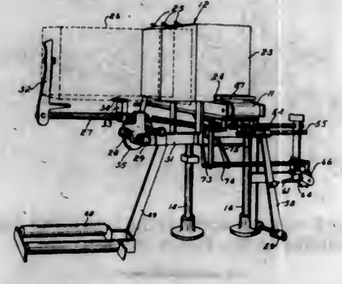


1. A device for holding laboratory apparatus comprising a base, a frame mounted on said base comprising spaced rigid vertical bars, said frame having an upper member joining said bars, handles attached to said vertical bars, a plurality of leaves, each of said leaves attached to a vertical bar by pin and spring means, said spring pressing each of said leaves therefrom whereby the laboratory apparatus is firmly retained in said holding device.

2,559,318
PACKING MECHANISM
Curtis Darwin Rice, Omaha, Nebr., and Glenn Gordon Cook, Babylon, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application March 28, 1946, Serial No. 657,789
10 Claims. (Cl. 226—14)

1. In a container packing apparatus, a packing station, a movable conveyor for delivering pack-

ages into said station and upon which said packages may be accumulated in desired groups prior to entry into said station, means for holding an open-end container in packing position at said station, means movable transversely of the conveyor for pushing a group of said packages off the conveyor toward said container, means at said station for funneling said so-pushed group of packages into said container, and control means for timing actuation of said pusher with package feed comprising means normally in the

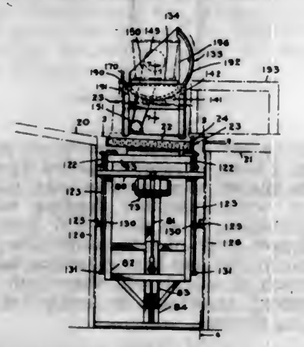


path of packages on said conveyor for retarding advance of said packages into said station until a desired group has been accumulated on said conveyor, manually controlled means for activating said pushing means and removing said retarding means from said path, and means controlled by the group of packages moving into said station for actuating said pushing means in its container packing stroke and returning said retarding means to said normal disposition in said path.

2,559,319
VERTICALLY MOVABLE TURNTABLE TRANSFER

Duer C. Robson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application February 26, 1946, Serial No. 650,376
7 Claims. (Cl. 214—1.1)

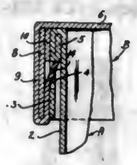


1. A turntable transfer, which comprises a conveyer section positioned at a predetermined level, a second conveyer section normally in alignment with the first-mentioned conveyer section, a hoist for raising the second-mentioned conveyer section out of the level of the first-mentioned conveyer section, a turntable carriage slidable along the hoist, a turntable carried by the slidable carriage for supporting the second turntable transfer section, and means for sliding the carriage along the hoist and turning the turntable as the hoist operates to raise and turn the entire second-mentioned conveyer section to a position in which it is at an angle with the first-mentioned conveyer section.

2,559,320
CONTAINER HAVING COVER LOCKING MEANS

Fred L. Rushing, Tampa, Fla., and Benjamin M. Williams, St. Louis, Mo., assignors to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland

Application March 14, 1946, Serial No. 654,420
2 Claims. (Cl. 229—43)



1. A carton comprising a body and a slip cover therefor, said body including side walls having upper marginal flaps folded downwardly on the outer sides thereof and said slip cover including depending side panels with lower marginal flaps folded upwardly on the inner sides thereof and adapted, when said cover is closed, to cover said upper marginal flaps, said downwardly folded upper marginal flaps having openings therethrough, said upwardly folded lower marginal flaps having spring locking tongues that incline upwardly and inwardly from the body opposing faces thereof and are adapted, when the cover is closed, to snap into said openings with their upper ends parallel and in abutting relation to the upper edges thereof and are adapted to be disengaged from said openings by inserting the fingers upwardly between said lower and upper marginal flaps or between the latter and said side walls and pressing outwardly on said tongues, said downwardly folded upper marginal flaps having tabs that are folded upwardly from the upper edges of the openings therein between said flaps and the side walls of said body and serve to space said flaps from said side walls and provide finger space therebetween below said openings and to increase the thickness of said flaps along the upper edges of their tongue receiving openings.

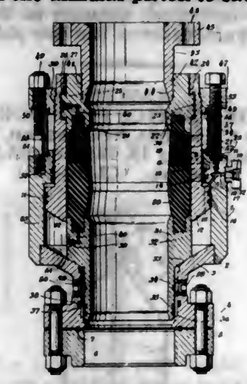
2,559,321
CASING HEAD EQUIPMENT

Lewis Mervyn Cecil Seamark, Lyme Regis, England

Application November 24, 1947, Serial No. 787,684
In Great Britain December 3, 1946
3 Claims. (Cl. 286—16)

1. Casing head equipment for bore-holes or wells comprising a cylindrical casing, a massive elastic sleeve mounted within the casing and formed of three sections of rubber or of a material having similar characteristics, the rubber in the uppermost section being relatively hard, in the middle sections less hard, and in the lowermost section least hard, an annular piston surrounding the sleeve and adapted for an axial sliding movement in the casing, a cylindrical upper end ring secured to the inner peripheral wall of the annular piston and engaging the massive elastic sleeve at the upper end, a cylindrical lower end ring seated on the inner wall of a massive flanged part of the casing head equipment and engaging the massive elastic sleeve at the lower

end, and means for applying fluid pressure continuously on the annular piston to cause the axial

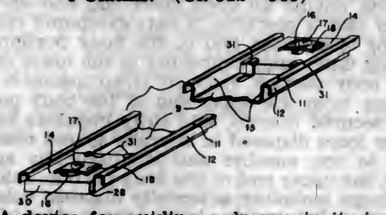


compression and consequent inward contraction of the massive elastic sleeve within the casing, to engage the casing tube, drill stem or the like.

2,559,322
DRAWER GUIDE

Clarence M. Skamser, Superior, Wis.

Application April 1, 1950, Serial No. 153,312
6 Claims. (Cl. 312—346)



1. A device for guiding a drawer in its in and out movement in respect to a drawer opening of a cabinet comprising: a pair of elongated members telescopically united, means on one of said members for securing same to said drawer on the bottom thereof, means on the second one of said members for securing same in engagement with said cabinet within said opening, and means for adjusting the position of said second member within said opening, said last mentioned means comprising resilient members having openings therethrough, one of said resilient members being carried at each end of said second member, said second member having openings therethrough larger than and alined with the openings in said resilient members to permit the shifting of the position of said second member on said cabinet, and fastening means extending through said openings and engaged at one end on said resilient members and at the opposite end on said cabinet whereby said fastening means may be tightened to compress said resilient member into said opening in said second member to hold the latter in place.

2,559,323
PROCESS FOR THE DESULFURIZATION OF HYDROCARBONS

Paul Xavier Spillane, Abbotsford, near Sydney, New South Wales, Australia, assignor to Keith Williams, Sydney, New South Wales, Australia

No Drawing. Application October 11, 1948, Serial No. 53,988. In Australia March 4, 1944
7 Claims. (Cl. 196—28)

1. A process for desulphurising hydrocarbons which comprises passing the hydrocarbons in the vapor phase at temperatures between 80° C. and 400° C. into contact with a desulphurising agent comprising essentially at least one alkali carbonate and metallic iron, the said agent being prepared by intimately admixing at least one alkali carbonate, in a proportion between 5% and 40% of the mixture, with iron oxide, and activating the said desulphurising agent by reduction with a reducing agent selected from the group consisting of hydrogen, carbon monoxide, and mixtures thereof at a temperture between approximately 210° C. and 300° C. for a period of about 3 to 6 hours, whereby the iron oxide is at least in greater part reduced to a physical form suitable as a catalyst for the hydrogenation of carbon monoxide and is activated for the said desulphurising process.

2,559,324
TREATMENT OF SULFUR-CONTAINING MATERIALS

Paul Xavier Spillane, Ashfield, near Sydney, New South Wales, Australia, assignor to Keith Williams, Sydney, New South Wales, Australia

No Drawing. Application November 16, 1948, Serial No. 60,378. In Australia April 12, 1946
9 Claims. (Cl. 23—177)

5. A process for converting sulphur compounds, other than oxides of sulphur, to a member of the group consisting of elemental sulphur and a mixture of the latter with sulphur dioxide, which comprises passing the sulphur compounds in the gaseous state, and in admixture with a gas selected from the group consisting of oxygen, carbon monoxide and carbon dioxide, into contact with a catalyst at a temperature above 80° C., said catalyst comprising a mixture of at least one alkali carbonate and catalytically active metallic iron prepared by passing a reducing gas selected from the class consisting of hydrogen, carbon monoxide and water gas over an intimate admixture of at least one alkali carbonate and an iron oxide in the absence of sulphur, said last-named admixture containing 8% to 40% of alkali carbonate, whereby the iron oxide is converted into catalytically active metallic form, and then completely sulphur-fouling the resultant reduced admixture by passing gaseous compounds of sulphur other than oxides of sulphur into contact therewith at a temperature between 80° C. and 400° C., said catalyst being an active agent at temperatures above 80° C. for the catalytic oxidation of gaseous sulphides to elemental sulphur when the catalyst is at no time heated to a temperature exceeding 260° C. and to a mixture of sulphur and sulphur dioxide when the catalyst is at any time heated to a temperature exceeding 260° C.

2,559,325
PROCESS FOR THE CONVERSION TO SULFUR AND/OR SULFUR DIOXIDE OF OTHER SULFUR COMPOUNDS AND CATALYSTS THEREFOR

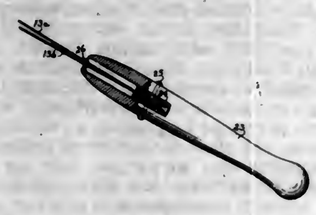
Paul Xavier Spillane, Abbotsford, near Sydney, New South Wales, Australia, assignor to Keith Williams, Sydney, New South Wales, Australia

No Drawing. Application July 21, 1949, Serial No. 106,096. In Australia May 31, 1946
8 Claims. (Cl. 23—177)

1. A catalytic oxidation process for converting gaseous sulphide to sulphur or mixtures of sulphur and sulphur dioxide, which comprises contacting the gaseous sulphide and a gas selected from the group consisting of oxygen and oxides

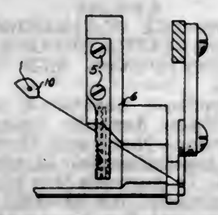
of carbon at a temperature between 80° C. and 400° C. with a catalyst comprising an alkali sulphide and a sulphide of a metal selected from the group consisting of nickel, cobalt, manganese, tin and aluminium in which the proportion of alkali sulphide is from 5% to 66% of the metal sulphide, said catalyst having been formed by passing a mixture of the gaseous sulphide and a reducing gas selected from the group consisting of hydrogen, carbon monoxide and water gas over an intimate mixture upon a catalyst carrier of an oxide of the selected metal and a member selected from the group consisting of alkali carbonate, alkali bicarbonate, alkali sulfide and alkali sulfite, whereby in said oxidation process the gaseous sulphide is converted into elemental sulphur when the temperature of the oxidation process does not exceed 260° C. and the catalyst has at no time been heated to a temperature exceeding 260° C., and is converted into a mixture of sulphur and sulphur dioxide when the temperature of the oxidation process exceeds 260° C. and when the catalyst has at any time been heated to a temperature exceeding 260° C.

2,559,326
CONTROLLING MEANS FOR SELF-PROPELLED MINIATURE AIRCRAFT
Victor Stanzel, Schulenburg, Tex.
Application January 9, 1945, Serial No. 572,023
9 Claims. (Cl. 46—77)



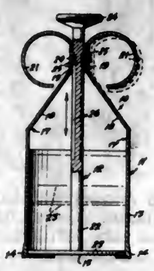
1. A handle for the control line of a miniature aircraft comprising, a grip member, an actuating element adapted to grip the control line and to move the runs of said control line back and forth, said element being mounted on the grip member and adapted for operation by a digit of the hand gripping said handle.

2,559,327
YARN BINDER
Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application September 13, 1949, Serial No. 115,381
4 Claims. (Cl. 66—145)



1. A yarn binder which includes a stiff tongue-like plate provided with longitudinal flutes and a resilient plate normally in close contact with said fluted portion of said plate except at the free end which is bent away from said plate to form a throat for the entry of a yarn between the two plates, said resilient plate being provided with a plurality of serrations opposed to the direction of entry of yarn between the two plates.

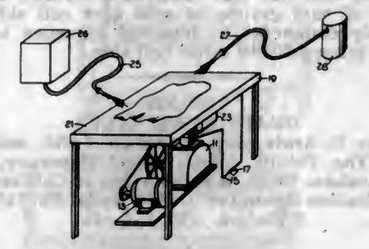
2,559,328
MEASURING DEVICE FOR SHORTENING
Jesse F. Thomas, New London, Wis.
Application January 13, 1950, Serial No. 138,379
5 Claims. (Cl. 31—11)



1. A measuring device for lard, butter and other semi-solids of a similar consistency comprising, a container section and a plunger section, said container section including a cylindrical body portion having an open lower end and an open upper end, a plurality of bars extending radially of the open lower end of the body portion and having outer ends connected to the lower end of said body portion, resilient strap members projecting from the upper end of the body portion and secured thereto, said strap members having finger loops disposed in laterally spaced relationship to one another and longitudinally spaced from the upper end of the body portion, said finger loops including adjacently disposed substantially parallel portions having inner sides of concave cross section; said plunger section including a plunger head reciprocally disposed in said body portion for movement longitudinally thereof and having a relatively close fitting engagement with the inner wall of the body portion, a plunger rod fixed to and projecting perpendicularly from the head and extending axially of said body portion, said plunger rod extending reciprocally between the concave faces of the parallel finger loop portions and being provided near its opposite end with an annular groove, said plunger rod having diametrically opposed outwardly opening longitudinally extending grooves having corresponding ends opening into said annular groove and extending therefrom toward the plunger head, each of said longitudinal grooves being provided with a plurality of transversely extending notches, the notches of the two grooves being disposed in diametrically opposite portions of the plunger rod, and studs projecting inwardly from the concave faces of said finger loop portions and disposed in alignment for engaging either the annular groove, said longitudinal grooves or complementary lateral notches of the plunger rod for maintaining the plunger head in a plurality of adjusted positions relatively to the lower end of said container body.

2,559,329
DEGRAINER
Abraham Trod, Peabody, Mass.
Application January 4, 1951, Serial No. 204,321
20 Claims. (Cl. 69—1)

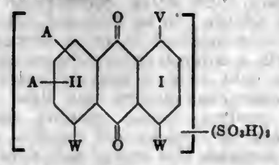
13. Apparatus for splitting a skin comprising, a table having a hollow top and a smooth upper surface for receiving said skin, a compressor for providing liquid refrigerant to said hollow top, a valve for controlling the flow of said liquid refrigerant, an absorbent material within said



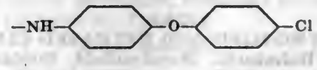
hollow top for retaining said liquid refrigerant therein, a source of steam and a nozzle for application thereof to said skin, and a source of cold water at high pressure and nozzle for application thereof to said skin.

2,559,330
DYESTUFFS OF THE ANTHRAQUINONE SERIES
Samuel von Allmen, Ernst Gutzwiller, and Jacques Günthart, Basel, Switzerland, assignors to Sandoz, A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application January 9, 1950, Serial No. 137,674. In Switzerland February 17, 1949
8 Claims. (Cl. 260—374)

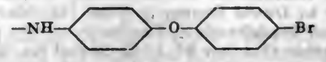
5. An anthraquinone dyestuff which corresponds to the formula



wherein V and one W each denotes a member selected from the group consisting of



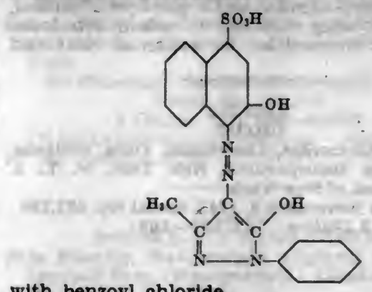
and



the other W being hydrogen, and wherein A stands—in the case of W of nucleus I being hydrogen and—in the case of W of nucleus II being hydrogen—for a member chosen from the group consisting of hydrogen, chlorine, bromine and hydroxy.

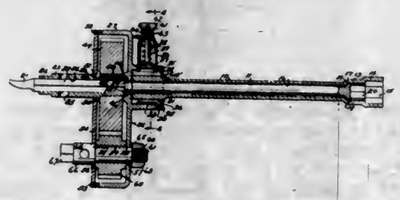
2,559,331
PROCESS FOR THE MANUFACTURE OF ESTERLIKE DERIVATIVES OF ORTHO: ORTHO'-DIHYDROXY-MONOAZO DYESTUFFS
Willi Widmer, Bottmingen, and Alphonse Heckendorn, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application March 16, 1948, Serial No. 15,274. In Switzerland April 11, 1947
5 Claims. (Cl. 260—162)

4. Process for the manufacture of an ester of an ortho:ortho'-dihydroxy-monoazo-dyestuff which comprises reacting in an aqueous alkaline medium the dyestuff which corresponds in its free acid state to the formula



with benzoyl chloride.

2,559,332
RATCHET GEAR ASSEMBLY FOR WRENCHES
Roy O. Wright, Huntington, W. Va.
Application June 20, 1947, Serial No. 755,979
2 Claims. (Cl. 81—56)



2. A ratchet gear assembly for a wrench of the type having a barrel and a shaft rotatable in the barrel, the barrel and shaft being provided at their forward ends with actually aligned sockets of different sizes and relatively spaced axially of the wrench, and the shaft being extended rearwardly beyond the barrel, the ratchet gear assembly comprising a housing, a bearing on the forward side of the housing, a sleeve journaled in the housing in axial alignment with the bearing and extending rearwardly from the housing, a collar nonrotatably mounted on the rearward end of the barrel and rotatably mounted in the bearing, the collar being provided in its outer side with ratchet teeth, the rear end of the shaft being located in the sleeve, means connecting the shaft and sleeve to adapt the former to impart rotation to the collar, a spring loaded pawl carried by the bearing and operating with the ratchet teeth to hold the collar against movement in one direction, a gear within the housing fixed to the sleeve, a shaft rotatable and extending rearwardly beyond the housing, a pinion fixed to the shaft meshing with the gear, the outer end of the sleeve and said second shaft being constructed to adapt one or the other to be turned by a tool.

2,559,333
STABILIZED COMPOSITIONS CONTAINING HIGH MOLECULAR WEIGHT HALOGENATED MATERIALS
Francis Munroe Abell, Louisville, Ky., assignor, by mesne assignments, to Shell Development Company, Emeryville, Calif., a corporation of Delaware
No Drawing. Application October 14, 1949, Serial No. 121,445
15 Claims. (Cl. 260—45.8)

1. A composition of matter comprising a halogen-containing organic substance having a mo-

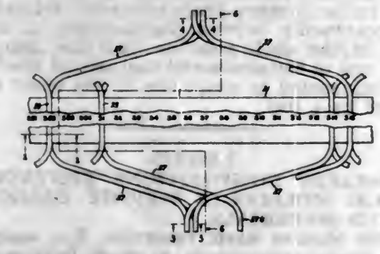
lecular weight above 2000 in admixture with a substantial amount each of a polyglycidyl ether of a polyhydric alcohol and a polyhydric phenol, the amount being sufficient to retard deterioration of the composition by action of heat and light.

2,559,334
CHIME
Lowell M. Alexander, Cincinnati, Ohio, assignor to Nutone, Incorporated, New York, N. Y., a corporation of New York
Application November 9, 1945, Serial No. 627,706
3 Claims. (Cl. 116—169)



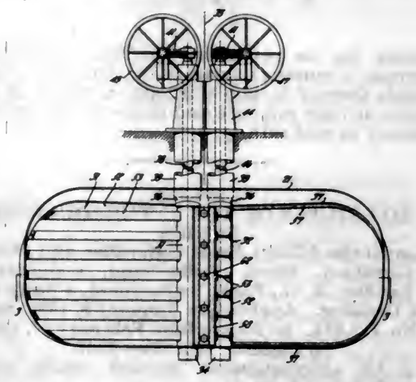
1. A musical instrument comprising a symmetrically constructed tubular member having endwise closures and a sound emitting opening, the said tubular member, when struck, being vibratable throughout its entire length in a fundamental mode of vibration, and the said tubular member being so proportioned that the air in the cavity delineated by the said tubular member is capable of resonating at the same frequency of vibration as that of the tube itself when it is struck.

2,559,335
DYNAMOELECTRIC MACHINE WINDING
Philip L. Alger, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 14, 1950, Serial No. 156,025
7 Claims. (Cl. 171—252)



1. In a dynamoelectric machine core provided with winding slots, an armature winding having a plurality of coil sides each having a slot portion occupying substantially the full width of one of said winding slots, and each having an end connecting portion extending from the respective slot at a first end of said core and terminating in two groups of an unequal number of strands, said winding having transposing connections comprising strands of one of said groups of a first coil side integrally connected in inverted sequence to a corresponding group of another coil side and comprising strands of the other of said groups of said first coil side integrally connected in inverted sequence to the other group of said other coil side.

2,559,336
DRAFT TUBE VALVE
George V. Arata, San Francisco, Calif., assignor to The Pelton Water Wheel Company, San Francisco, Calif., a corporation of California
Application December 9, 1946, Serial No. 715,049
2 Claims. (Cl. 251—10)

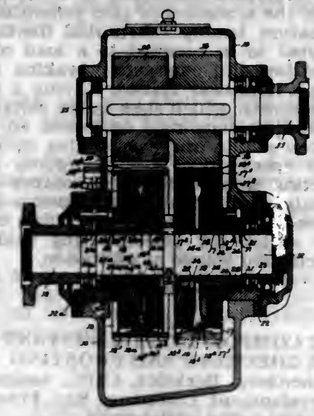


1. A draft tube valve comprising a turbine draft tube adapted to be disposed below a water level and symmetrical in cross-section about a vertical axis, a column extending across said tube parallel to said axis, a pair of gates including cylinders extending across said tube parallel to said axis, sealing means rubbing against said cylinders and secured to said column, and means extending through the wall of said draft tube and to a point above said water level for operating said gates.

2,559,337
FLUID ENGAGED AND RELEASED CLUTCH
Norman Balmforth, Huddersfield, England, assignor to David Brown & Sons (Huddersfield), Limited, Huddersfield, England
Application October 26, 1945, Serial No. 624,729
In Great Britain October 30, 1944
3 Claims. (Cl. 192—86)

1. An oil supply system for friction clutches of a power transmission mechanism in which oil under pressure is admitted between two movable clutch members splined on an output shaft to bring the movable clutch members into engagement with stationary clutch members forming a chamber enclosing the movable members and between the movable and stationary clutch members to bring them out of engagement, comprising in combination a casing enclosing the transmission mechanism; bearing housings for the output shaft arranged within said casing; an oil distributing valve supported by said casing; oil passages in said casing connected with said distributing valve; oil grooves in said bearing housings cooperating with said oil passages in said casing; oil passages in the movable clutch members cooperating with said oil grooves in said bearing housings so as to convey oil forced by said oil distributing valve into said oil passages in said

casing into the spaces between the movable clutch members and into the spaces between the outer



faces of the movable clutch members and the stationary clutch members.

2,559,338
LOW METHOXYL ACID PECTINATE JELLY COMPOSITION
William E. Barch, New York, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application June 25, 1947, Serial No. 757,055
4 Claims. (Cl. 99—132)

1. A gel forming composition comprising particles of a low methoxyl acid pectinate capable of forming clear homogeneous gels with calcium ions and discrete particles comprising an edible water-soluble calcium salt and an edible water-soluble acid, the rate of solution in water of the latter particles being lower than that of the pectinate particles, the amount of the calcium salt being sufficient to gel the pectinate without substantial precipitation of calcium pectinate when the composition is dissolved in water and the amount of acid being sufficient to provide a solution pH between 3 and 7.

2,559,339
REMOTE-CONTROL SYSTEM
Malcolm T. Blease and Erich Schafranik, Providence, R. I.
Application January 15, 1947, Serial No. 722,130
1 Claim. (Cl. 173—327)

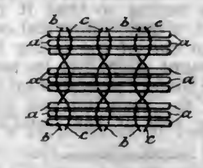


A control indicator for a remote control system, comprising a casing, a shaft rotatably mounted in said casing and extending therethrough, a hand frictionally mounted on said shaft, a stop pin on said casing engageable by said hand to limit rotation of the hand to 360°, a reversible synchronous motor in said casing for rotating said shaft, wiring for said motor, and a manually operable handle for selectively making and breaking an electric circuit through said wiring to start and stop the motor.

2,559,340
TRIMETHYLISOTHIOCYANATOSILANE
Ben A. Bluestein, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 21, 1947, Serial No. 756,325
1 Claim. (Cl. 260—448.2)

Trimethylisothiocyanatosilane corresponding to the formula $(CH_3)_3Si(NCS)$.

2,559,341
DOUBLE-PLY LENO FABRIC
Sam Brierley, Huddersfield, England, assignor to Aspinall Bros. (Huddersfield), Limited, Skipton, England
Application July 31, 1948, Serial No. 41,836
In Great Britain January 2, 1947
2 Claims. (Cl. 139—419)



1. A woven woolen fabric of double-ply leno structure presenting a leno weave on each of two opposite surfaces thereof; and containing a weight of yarn equal to about 5% of the maximum density of wool, with the weights of the warp and weft yarn in said woven woolen fabric being approximately equal.

2,559,342
ORGANO-SILICON COMPOSITIONS
Charles A. Burkhard, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 26, 1949, Serial No. 106,958
8 Claims. (Cl. 260—448.8)

1. A composition of matter comprising a compound corresponding to the general formula $R_nSi(OCH_2CH_2OR')_{4-n}$ where R is a monovalent hydrocarbon radical, R' is an alkyl radical containing from 1 to 2 carbon atoms, and n is an integer equal to from 1 to 3.

2,559,343
REFRACTORY MATERIAL
Milton W. Caton, East Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware
Application October 24, 1945, Serial No. 624,283
2 Claims. (Cl. 106—44)



1. A sintered refractory span consisting of the fired product of a batch consisting of finely powdered alumina and aluminum silicate in proportions making the proportion of total alumina to total silica in the batch 7 parts of alumina to from 1 to 3 parts of silica, approximately 2 percent calcium aluminate, and not over 5% of other refractory oxides.

2,559,344
STYPTIC ATTACHMENT FOR RAZORS
Simon Sareh Cesar, London, England
Application January 25, 1949, Serial No. 72,714
In Great Britain March 3, 1948
2 Claims. (Cl. 30—90)

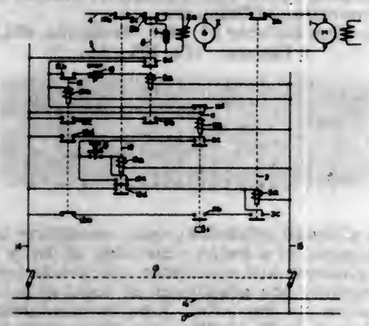


1. A styptic element attachment for the handles of safety razors comprising a short length of tubing forming a casing, a spherical styptic element, means for rotatably supporting said styptic element in the casing so that it projects from one end thereof, a hemi-spherical cover pivotally mounted at that end of the casing for protecting the styptic element when not in use, and a plurality of spring fingers provided on the other end of said casing for securing the attachment in position on the end of the handle of a safety razor.

2,559,345
CASTING METHOD AND COMPOSITIONS
James S. Church, Los Alamos, N. Mex., and Herman R. Tyler, St. Louis, Mo., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application February 1, 1950, Serial No. 141,838
7 Claims. (Cl. 260—34.2)

3. The method of casting methyl methacrylate which comprises dissolving polymeric methyl methacrylate in monomeric methyl methacrylate with the aid of a solvent from the class consisting of methylene dichloride, methyl formate, acetone and chloroform, removing the solvent by vacuum distillation essentially without initiating polymerization of the monomer and casting the resulting polymer-monomer solution at a temperature not in excess of 50° C.

2,559,346
REGENERATIVE BRAKING CONTROL SYSTEM
Bernard J. Dalton, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 29, 1949, Serial No. 84,233
4 Claims. (Cl. 318—161)

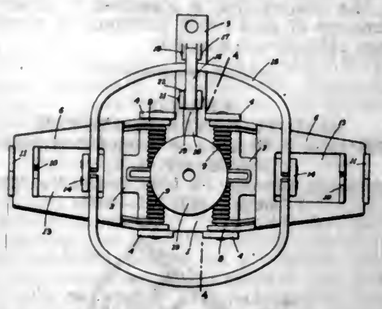


1. A control system comprising in combination an adjustable voltage generator provided with a separately excited field winding, a source of excitation for said field winding, an electric motor having its armature connected in a series loop circuit with the armature of said generator, said motor armature having substantial inertia and being adapted to be coupled to a load of substantial inertia, and emergency braking means comprising a nonlinear resistor having a resistance characteristic which rises as the voltage impressed across its terminals decreases, an emergency control switch and a switching device responsive to operation of said emergency switch for connecting said nonlinear resistance across the terminals of said field winding and a second switching device responsive to operation of said emergency switch for disconnecting said field winding from said source of excitation.

2,559,347
DRYING COMPOSITIONS RESISTANT TO GAS CHECKING AND FROSTING
Hans Dannenberg, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 1, 1949, Serial No. 113,678
9 Claims. (Cl. 260—19)

1. A composition of matter comprising a polyhydric alcohol ester of a fatty acid of 12 to 20 carbon atoms containing a pair of conjugated carbon-to-carbon double bonds, said ester having dissolved therein an alkaline earth metal salt of an alkylated phenol-aldehyde condensation product in amount within the range of 0.1 to 2% which substantially prevents gas checking and frosting of the composition upon drying as a film, said alkylated phenol containing a branched-chain alkyl group of 3 to 12 carbon atoms linked directly to a nuclear carbon atom of the phenol.

2,559,348
ANIMAL TRAP
Edward C. De Hart, Turlock, Calif.
Application July 11, 1945, Serial No. 604,426
2 Claims. (Cl. 43—90)

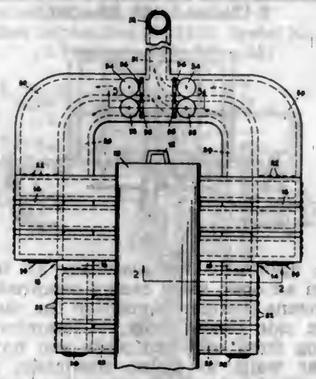


1. An animal trap comprising a base, two pairs of jaws separately pivoted on the base, the jaws of one pair being provided with arcuate portions, means releasably engaging one jaw to hold all the jaws in set position, spring means to move all the jaws to closed position when the engaged jaw is released; the jaws of each pair being movable to a closed position at right angles to the jaws of the other pair, the other pair of jaws having plate-like apertured intermediate portions movable to closed position on the arcuate portion of the jaws of said one pair, the outer end portions of the jaws of said other pair being spaced from each other and above the jaws of said one pair when all the jaws are in closed position, and spaced cooperating pair of leg-gripping plates projecting toward each other from said outer end portions of the other pair of jaws.

2,559,349
MIXTURE OF MELAMINE-FORMALDEHYDE RESIN AND ACETANILIDE CURING CATALYST
Earl B. Detwiler, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 27, 1948, Serial No. 41,001
8 Claims. (Cl. 260—29.4)

1. A stable, fusible resinous composition comprising thermosetting melamine-formaldehyde resin and 1.0% to 3.0% of acetanilide based on the weight of said resin.

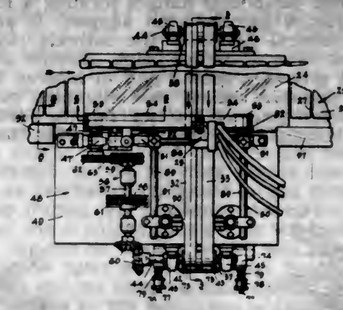
2,559,350
FURNACE CONSTRUCTION
John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 15, 1947, Serial No. 728,803
2 Claims. (Cl. 263—15)



1. In a continuous tank furnace having a melting end, regenerative heating means arranged at opposite sides of said melting end and in communication therewith, each comprising checker-chambers arranged end to end substantially parallel with the melting end of the furnace and laterally offset with respect to one another, brick checkerwork arranged in each checker-chamber, said checker-chambers having openings in the side and end walls thereof to receive means for cleaning the brick checkerworks, and means for periodically reversing the operation of the regenerative heating means.

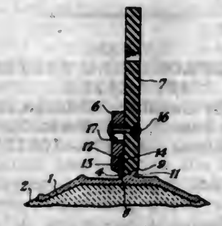
2,559,351
METHOD AND APPARATUS FOR METALIZING GLASS SHEETS
John L. Drake, Toledo, and John P. Pearse, Swanton, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 5, 1947, Serial No. 789,920
17 Claims. (Cl. 117—38)

1. The method of metallizing sheets or plates of glass or other materials, comprising directing a spray of molten metal upon the sheet in a direction substantially perpendicular with respect to the sheet surface to be coated, and causing only



the central portion or core of the spray to impinge upon the sheet.

2,559,352
JIGGERING TOOL FOR POTTERY WARE
David M. Edgar, Pittsburgh, Pa., assignor to Miller Pottery Engineering Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 2, 1949, Serial No. 102,852
4 Claims. (Cl. 25—24)

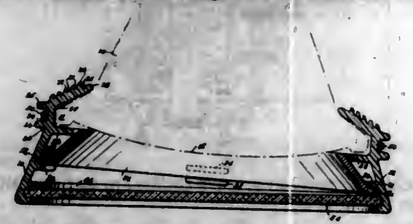


1. A pottery ware forming tool comprising a tool-backing block, an erosion-resistant tool blade formed of hard metal and having a beveled ware-engaging edge, and a blade-reinforcing plate disposed against and adjustably carried by said block, said blade being secured to said plate and carried between said plate and block with its beveled edge projecting outwardly of the block, said block having a clay-engaging portion lying contiguous to and in the plane of the bevel of said blade edge, and said adjustable connection of said plate and block allowing said blade edge to be raised to a position above the clay-engaging portion of the block to permit said block portion to be reformed when worn.

2,559,353
MOUNTING AND PROTECTING DEVICE FOR CATHODE-RAY TUBES
Richard A. Fisch, Kew Gardens, N. Y.
Application July 25, 1950, Serial No. 175,677
3 Claims. (Cl. 177—316)

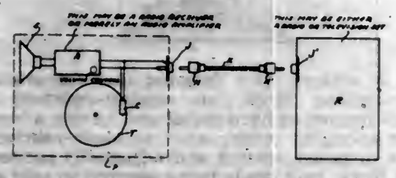
1. A mounting and protecting device for a metal-backed cathode ray tube of the type having an exterior peripheral flange adjacent the lens thereof, said device comprising a unitary tubular clamping member formed substantially entirely of insulating flexible material and having the general configuration of the said peripheral flange of the cathode ray tube but having a gap forming two interfitting ends at one portion thereof, a pair of exterior peripheral flanges forming a groove therebetween adjacent one end of said tube adapted to receive a tightening

strand to hold the gapped clamping member on the flange of the cathode ray tube, a first pair of interior peripheral flanges forming a first interior groove therebetween adapted to straddle the peripheral flange of the cathode ray tube, said first interior groove being opposite the said exterior groove, a second pair of interior flanges at the opposite end of said clamping member, said second pair of interior flanges forming a groove therebetween adapted to receive the edges



of a transparent protective plate, a transparent protecting plate in the groove formed by said second pair of flanges, said first and second pairs of interior flanges being substantially continuous when the gap in said member is held in closed position by the tightening strand, the plane of the groove formed by said second pair of interior flanges being tilted with respect to the plane of the groove formed by said first pair of interior flanges.

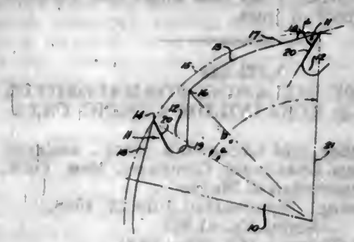
2,559,354
SOUND REPRODUCING SYSTEM AND APPARATUS
Crosby Gauthier, Chicago, Ill.
Application June 2, 1950, Serial No. 165,710
8 Claims. (Cl. 179—100.11)



1. The combination with a radio receiver having an audio amplifier and loudspeaker, of a unitary self-contained record player including a turntable, a pickup, an amplifier and a loudspeaker operative conjointly to play phonograph records, and a pair of conductors connecting the output terminals of the pickup with the input of the radio receiver audio amplifier.

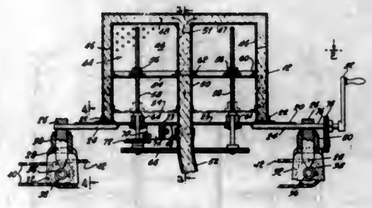
2,559,355
SAW
Wilhelm Grupp, Oberkochen, Germany, assignor to Conrad Wolfgang Schnyder, New York, N. Y.
Application September 13, 1949, Serial No. 115,365
In Switzerland September 15, 1948
6 Claims. (Cl. 143—133)

1. As a new article of manufacture, a saw blade of the kind described including a body portion and individual teeth spaced apart along the peripheral edge of the body portion and extending beyond the peripheral edge of the body portion, each tooth being substantially wedge-shaped and having a flat, straight, front face inclined forwardly in relation to the cutting movement of the blade and a back surface inclined at an acute angle to the front face and extending to the peripheral edge of the body portion, the body portion having a gullet extending inwardly from the peripheral edge thereof in advance of each tooth with the front face of the adjacent tooth constituting a continuation of



the rear edge of the gullet, said peripheral edge on the body portion between the juncture of the back of a tooth and the forward edge of the next succeeding gullet being of circular configuration.

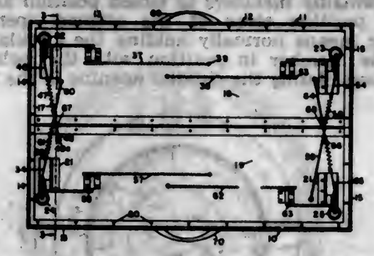
2,559,356
METHOD AND APPARATUS FOR INSULATING REFRIGERATORS AND THE LIKE
Lee M. Hedges, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 28, 1945, Serial No. 590,792
9 Claims. (Cl. 20—101)



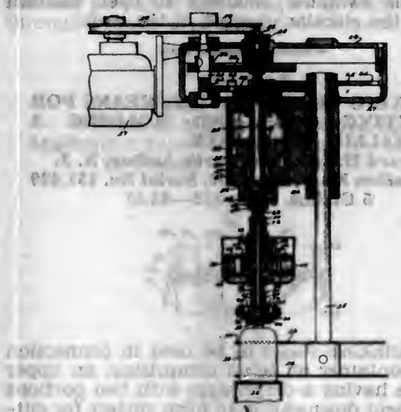
1. An apparatus for installing an insulating lining in an open sided casing comprising a bed plate, means thereon to position the casing with its open side downwardly, a foraminous form extending from said bed plate and having side and rear walls to define insulation receiving spaces with the side and rear walls of said casing, an insulation filler tube connected to the rear wall of said form and in communication with said spaces, a closure member extending from wall to wall of said form with said filler member passing through an opening therein, and means projecting through said closure member for moving the same from a position adjacent the front of said form to a position adjacent the rear thereof.

2,559,357
CARRYING CASE TYPE FOLDING TABLE
William J. Holt, Jr., Garland, Tex.
Application December 22, 1949, Serial No. 134,477
11 Claims. (Cl. 311—90)

1. A folding table comprising a pair of hingedly connected top sections, leg members pivotally mounted adjacent to the outer corner portions of each top section so as to fold parallel to each other and to the side of the top section on which they are mounted opposite the hinged side thereof; individual biasing means for each leg, each of said biasing means comprising a lever pivotally mounted on one top section on which its associated leg is mounted and a spring having one end secured to said one top section and the other secured to said lever to bias said lever to a position parallel to and adjacent said one top section, said lever having one end in engagement with said associated leg for biasing said leg toward folded position; and individual opening and locking means for each leg, each of said biasing means comprising a flexible member having one end secured to said one end of said lever and having the opposite end secured to the other of said top sections for moving said associated leg to its unfolded position.



2,559,358
APPARATUS FOR TIGHTENING CAPS
William B. Hullhorst and Richard A. Pim, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application September 27, 1946, Serial No. 699,936
12 Claims. (Cl. 226—88)



1. A machine for screwing caps on containers, comprising means for holding a container at a cap tightening station with a cap seated loosely on the container, a rotary driving element and a rotary driven element in vertical alignment and mounted over the container at said station, a cap tightening chuck, a vertically extensible chuck spindle carrying the chuck and connected to said driven element, spring means for yieldingly holding the spindle extended, a hydraulic coupling connecting said elements and including a gear concentric with and connected to one said element, a gear casing enclosing said gear and connected to rotate the other said element, a second gear journalled in the casing and intermeshing with the first mentioned gear, a hydraulic fluid, a reservoir containing said fluid, said casing and gears being immersed in said fluid, said casing being provided with inlet and outlet port openings for the entrance and egress of fluid circulated by rotation of said gears, a valve closing the outlet port, spring means yieldingly holding the valve closed, means for rotating the driving element and thereby causing rotation therewith of the said casing and driven element as a unit, and means for lowering the driving element as it is rotated and causing it to rotate the chuck and screw the cap onto the container and simultaneously move the chuck upwardly relative to the driving element against the pressure of said spring means, a second spring means interposed between the said driving element and its lowering means operable to apply an increased downward spring pressure to the cap during the continued downward movement of the driving element after the said screwing of the cap on the container, said valve being movable to open position by the fluid pressure when the driving torque is built up to a predetermined degree by the resistance to the rotation of the chuck.

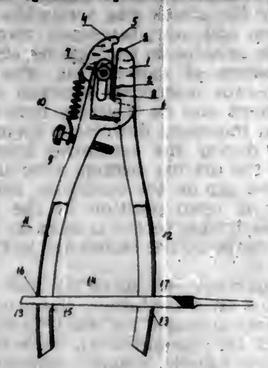
2. Apparatus for screwing and tightening a screw cap on a container, comprising a vertical drive shaft mounted for rotation about a vertical axis and for up-and-down movement, a chuck and chuck spindle, means connecting the chuck and spindle to the drive shaft in vertical alignment therewith and permitting a limited up-and-down movement of the chuck relative to the drive shaft, spring means for holding the chuck extended downward relative to the drive shaft with a yielding pressure, means for rotating the drive shaft and simultaneously lowering it with the chuck in engagement with a cap on the container thereby causing the chuck to screw the cap on the container and simultaneously causing said upward movement of the chuck relative to the drive shaft, and spring means for applying an increased downward yielding pressure to the chuck and cap during said lowering of the drive shaft after the chuck has reached the limit of its said upward movement relative to the drive shaft.

6. A chuck comprising upper and lower horizontal bars in superposed horizontal sliding relation and formed respectively with downward and upward end extensions providing stops to limit relative rotative movement of said bars, and a peripheral flexible band surrounding said bars and connected to the ends thereof and forming a driving connection between said bars permitting a universal horizontal floating movement of the lower bar relative to the upper bar, said lower bar comprising centering means for centering it on a cap.

2,559,359
SAW SET FOR BUCKSAW BLADES
Erkki Aapeli Hyvonen, Helsinki, Finland
Application November 14, 1947, Serial No. 786,043
In Finland December 14, 1946
3 Claims. (Cl. 76—64)

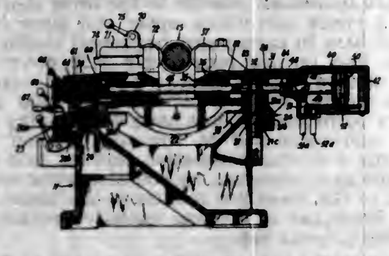
1. A manually operated saw set, including a first handle terminating in a supporting jaw having a slot provided with outer and inner ends and being open at the outer end thereof for supporting a saw blade and dividing the supporting jaw into a main jaw portion and a relatively smaller jaw portion, said main jaw portion having an outer end; a second handle terminating in a setting jaw having an outer end and extending a predetermined distance beyond the outer end of the main jaw portion, said setting jaw being pivoted to the relatively shorter jaw portion upon the first handle at a point intermediate the outer and inner ends of the slot in the supporting jaw in order to allow the handles to pivot about an axis transverse thereto, the depth of the slot with respect to the length of said main jaw portion corresponding to the width of the

saw blade to be set when seated in said slot with the teeth thereof projecting beyond the outer end of said main jaw portion; and an integral setting projection upon the outer end of said setting jaw spaced a predetermined distance



beyond the outer end of said main jaw portion and extending transversely of said slot in closed position of said handles and jaws in effective position to bend and thereby set a saw tooth upon the seated saw blade to one side.

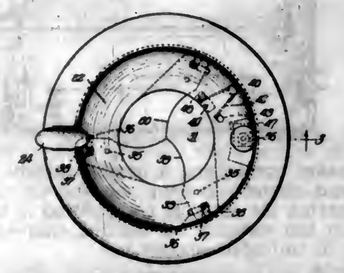
2,559,360
MACHINE TOOL
Robert Kurzweil, Kew Gardens, N. Y., assignor to Morey Machinery Co., Inc., New York, N. Y., a corporation
Application January 12, 1946, Serial No. 640,914
9 Claims. (Cl. 29—90)



1. In a machine of the character described, a bed, a carriage slidably mounted on said bed for longitudinal movement, front and rear cross slides on the carriage, a cylinder attached to the rear cross slide, a piston within said cylinder, a piston rod attached to said piston, means to connect the front cross slide to said piston rod, said carriage being formed with a through opening, said piston rod passing through said opening, and means to key said piston rod to said carriage.

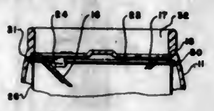
2,559,361
RECEPTACLE CLOSURE
Adrien L. Langel, Chicago, Ill., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 25, 1948, Serial No. 46,071
2 Claims. (Cl. 220—33)

1. In a receptacle closure, a body member having a circular opening therein, a plurality of uniformly spaced swinging members pivoted adjacent the opening and adapted to close the opening, a circular rotatable member adjacent the swinging members, said circular rotatable member having a circular opening therein aligned with the opening in the body member, coacting means upon the circular rotatable member and the swinging members whereby rotation of the said circular rotatable member serves to swing the swinging members to closed position and to open position clear of the aligned openings, spring means normally holding the circular rotatable member in position with the swinging members closing the circular opening in the body,



a cam carried by the said circular rotatable member, and a vertically movable member carried by the said body member with a fingerpiece above the said body member, the lower end of the vertically movable member engaging the cam whereby downward movement of the vertically movable member acting against the cam serves to rotate the said circular rotatable member to swing the swinging members to open position clear of the circular opening in the body.

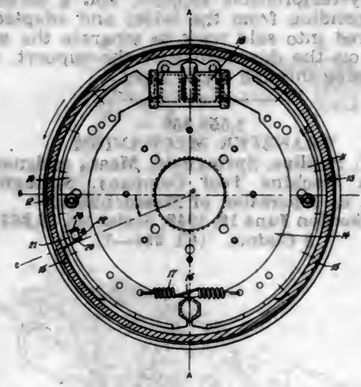
2,559,362
DRINKING VESSEL HAVING MEANS FOR CUTTING OPEN AND HOLDING A METALLIC CONTAINER
Edward H. Langfeld, Perth Amboy, N. J.
Application March 23, 1950, Serial No. 151,439
5 Claims. (Cl. 222—83.5)



1. A drinking vessel to be used in connection with a container of liquid comprising, an upper structure having a diaphragm with two portions thereof bent downwardly to form cutters for cutting the top of a metallic container, resilient means formed on said diaphragm and adapted to extend downwardly to engage and grip one edge of an aperture formed in the container, an open chamber formed above said diaphragm having connecting ports therein in alignment with the openings formed in the upper surface of the container for the liquid, and means formed below the diaphragm and adapted to engage the upper peripheral edge of the container for the liquid to form a substantially tight seal between said container and last said means.

2,559,363
VEHICLE BRAKE
Thomas Kemp Mace, Birmingham, England, assignor to Girling Limited, Birmingham, England
Application May 8, 1948, Serial No. 25,889
In Great Britain May 15, 1947
4 Claims. (Cl. 188—79.5)

1. A brake of the kind specified comprising a rotatable drum, an arcuate shoe mounted within said drum for co-operation therewith, a stationary anchor pin engaged by one end of said shoe, a friction lining mounted on said shoe and having a friction co-efficient of tan θ, a portion of said lining being movable towards and away from the surface of the drum, said portion being located at a point lying at an angle of θ on the anchor pin side of the diameter of the drum at right angles to a diameter passing through the anchor pin, and yielding means for urging said movable portion of the lining away from the shoe through a small predetermined distance.

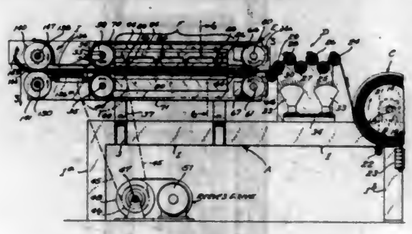


2,559,364
FUEL INJECTOR
William H. Mashinter, Chicago, Ill.
Application June 24, 1944, Serial No. 541,969
21 Claims. (Cl. 299—107.2)



1. A fuel injector comprising the combination of a pump casing having an elongated fuel receiving chamber, a sealed impeller reciprocable in said chamber, means for supplying fuel to said chamber, an outlet for dispensing fuel from said chamber means including another outlet at one end of said chamber and spaced from said first named outlet for expelling gases therefrom, and means actuated by said impeller for opening said last named outlet.

2,559,365
APPARATUS FOR REFORMING THERMO-PLASTIC SHEETS
Earl F. Middleton, New Rochelle, and Carl W. Middleton, Larchmont, N. Y.
Application October 2, 1946, Serial No. 704,406
3 Claims. (Cl. 18—19)



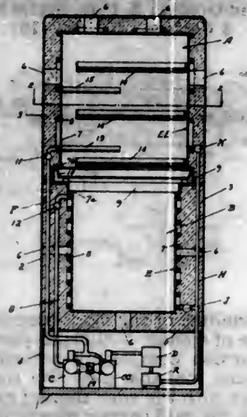
2. In a machine of the kind described for forming the edge of a sheet of thermo-plastic material, the combination comprising a forming die and carrier means movable past the forming die to carry a sheet with the edge thereof extending into the forming die, said carrier means including two, opposed, continuous carrier chains, each chain comprising a series of gripper links flexibly connected together by straight links, and each gripper link including a channel-shaped member, V-shaped idlers mounted between the flanges of the gripper link, and a gripper pad on the web of the gripper link, a fixed track extending along the length of the forming die and fixed with respect to the die for engaging in the V-shaped idlers to fixedly relate the gripping chain with respect to the die in two, right angular directions, a movable track, movable toward and away from the fixed track for engaging the other of said chains, and resilient means acting upon said movable track to urge the chain engaged thereby into gripping relation with the other chain.

2,559,366
APPARATUS FOR BREAKING SCORED GLASS SHEETS
Joseph R. Morris, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 26, 1949, Serial No. 83,605
2 Claims. (Cl. 49—48)



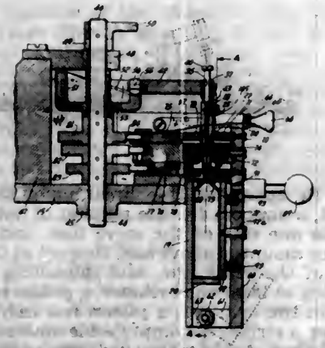
1. In apparatus for breaking a scored glass sheet, a support for the portion of said sheet lying to one side of the score line, and impacting means mounted above said support at the opposite side of the score line, said impacting means including at least one cylinder, a piston reciprocable within the cylinder, a piston rod carried by said piston, a striker of compressible material mounted at the end of said piston rod, means for introducing fluid under pressure into said cylinder to force said striker outwardly therefrom to strike the portion of said sheet lying at the opposite side of the score line with a sharp impact and break it from said first-mentioned portion, and means for retracting said striker from said glass.

2,559,367
REFRIGERATOR
Willard L. Morrison, Highland Park, Ill.
Application November 10, 1947, Serial No. 784,954
4 Claims. (Cl. 62—116)



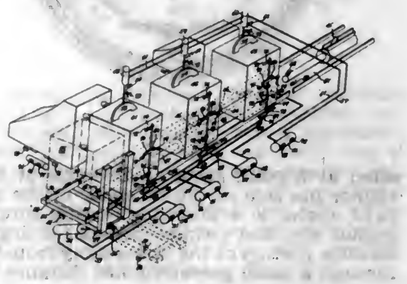
1. In a refrigerator, two refrigerating chambers one above the other, the sole access to the lower chamber being through the bottom of the upper chamber, a door in the side of the upper chamber, each chamber being bounded by vertical conductive peripheral walls, evaporator elements carried by said walls and means for supplying a refrigerant to said evaporator elements and for maintaining the temperature in the upper chamber above and for maintaining the temperature in the lower chamber below freezing, the evaporator means associated with the walls of the upper chamber terminating above the bottom thereof, the evaporator means associated with the walls of the lower chamber terminating below the top thereof to define an intermediate area in the bottom of the upper and in the top of the lower chamber where no direct cooling of the walls is accomplished.

2,559,368
BAG FORMING AND SEALING MACHINE
Frank J. Pancratz, Park Ridge, Ill.
Application May 12, 1947, Serial No. 747,459
12 Claims. (Cl. 226—56)



1. Means for closing a paper bag whose mouth is formed with closely spaced walls joined by side folds, comprising a substantially flat plunger adapted to be lowered between said walls and spaced from said side folds, the plunger tapering to sharp edges at the sides, and means outside of said walls to press them against the plunger and against each other beyond said edges, whereby to constitute the plunger a hermetical closure for said mouth, wherein said walls converge in downward direction to form a neck for the bag, the plunger being tapered in downward direction to conform with the gather of said walls, a vertically-reciprocable support, and a series of rods depending from the latter and adapted to be lowered into said neck to separate the walls thereof on the downstroke of the support, said rods passing through the plunger.

2,559,369
TRANSFER MECHANISM
Harry F. Phillips, Springfield, Mass., assignor to Baush Machine Tool Company, Springfield, Mass., a corporation of Massachusetts
Application June 18, 1948, Serial No. 33,853
8 Claims. (Cl. 214—1)



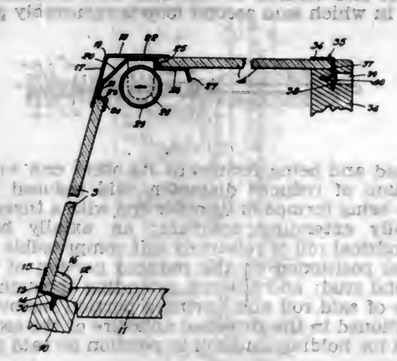
5. Apparatus for moving a workpiece to successive work stations which comprises successive independently operable transfer machines each having a receiving station, a work station and a hydraulically operated reciprocating transfer element to move the workpieces from one station of said machine to the next and to the receiving station of the next succeeding machine and an individual control for each transfer machine to actuate said hydraulic means reversely to a position to engage a workpiece at the respective stations and thence forwardly to transfer said workpiece to the next station, and comprising an element actuated by a workpiece at the receiving station of the next machine to interrupt the movement of said transfer bar.

2,559,370
PROCESS FOR THE MANUFACTURE OF OXIDE OF COPPER RECTIFIERS
Moises Reidel, Buenos Aires, Argentina
No Drawing. Application March 5, 1948, Serial No. 13,349. In Argentina December 16, 1947
3 Claims. (Cl. 175—366)

1. A process for the manufacture of copper rectifiers comprising the steps of forming a layer of cuprous oxide by a thermic process; and subsequently nitriding said layer of cuprous oxide by immersing the rectifier in nitric acid, whereby cupric cuprous nitrates in solution with cuprous oxide are obtained.

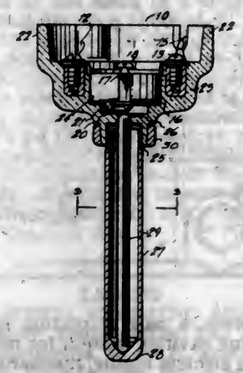
2,559,371
COMBINED GLASS- AND LAMP-SUPPORTING SHOWCASE RAIL
Paul M. Ressinger, Highland Park, Ill.
Application June 1, 1948, Serial No. 30,332
2 Claims. (Cl. 240—6)

1. For use in a display and showcase structure, a structural member having an angularly bent body portion including glass receiving channels along opposite edges of the body portion, said channels being formed and adapted to position the glass panes to lie in planes generally continuous with adjacent surfaces of said body portion, said structural member including an inner



element having edge portions forming inner components of said glass receiving channels and an outer element secured thereto, having edge portions forming outer components of said channels, the inner member having an integral strut portion forming a generally triangular structural element.

2,559,372
THERMOSTATIC SWITCH
Howard A. Rike, Los Angeles, Calif.
Application December 10, 1948, Serial No. 64,663
2 Claims. (Cl. 200—137)



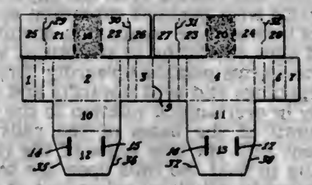
1. In a thermo-sensitive switch for alarm circuits, in combination with a flanged base member formed with a tapered neck portion, a microsensitive switch mounted in said base member and having an actuator plate adjacent thereto formed with a tensioned tongue engageable with the operating plunger of said switch, a tubular housing having one end closed and having its open end threaded into the said neck portion and capable of longitudinal adjustment with respect to said base, a thermo-sensitive rod concentrically arranged in said tube whereby its upper end will engage said tensioned tongue to actuate said switch at increased temperatures, and a collar embracing said neck portion locking said tube in adjusted positions.

2,559,373
WELL SURVEYING INSTRUMENT
Roland Bing, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application November 16, 1945, Serial No. 629,052
7 Claims. (Cl. 200—36)



1. In combination, a switch arranged to control an electrical circuit, and mechanism for controlling said switch, said switch comprising a rotary member, and said mechanism comprising a spring operatively connected to said rotary member for driving said rotary member, an escapement, a rotary element controlled by said escapement, and disengagable clutching means for positively clutching said rotary member to said rotary element so that movement of the rotary member is controlled by the escapement and for disengaging said rotary member from said rotary element so that the rotary member may be manually rotated forwardly or backwardly for winding or unwinding said driving spring.

2,559,374
CARRIER WITH INTERLOCKING PARTITION ELEMENTS
William A. Ringler, Wayne, Pa., assignor to The Gardner Board and Carton Co., a corporation of Ohio
Application May 7, 1949, Serial No. 92,038
4 Claims. (Cl. 229—28)



1. A collapsible paperboard bottle carrier having side and end walls in articulation, bottom-forming elements articulated to the lower edges of the said side walls, and extensions on said bottom-forming elements affixed together so as to form a partial central longitudinal partition, lateral partition elements articulated to intermediate portions of the said side walls and having attachment flaps, said attachment flaps being secured together adjacent their outer edges so as to form continuations of said central longitudinal partition, inner edge portions of said at-

tachment flaps being free of juncture to each other whereby to accept between them edge portions of said partial central longitudinal partitions, said partial central longitudinal partition having slots formed therein at about the positions of the inner edges of the lateral partition panels in the erected carrier, the lines of articulation between said lateral partition panels and said attachment flaps being provided with U-shaped lines of cut providing tongues extending beyond the lateral edges of said lateral partition panels, whereby to provide a carrier which is self-locking in the erected condition, the locking being accomplished by the entry of said tongues into the said slots in the partial longitudinal partition element.

2,559,375
MINIATURE TRACK UNIT
Stephan Schaffan, Jr., Irvington, N. J.
Application February 16, 1949, Serial No. 76,713
1 Claim. (Cl. 238—10)



A miniature toy railway track section comprising an elongated flat unit formed of flexible dielectric fibrous sheet material and consisting of a multiplicity of transversely extending bars constituting cross ties and integral strips extending longitudinally adjacent opposite side portions of the section and interconnecting the cross bars at right angles thereto in spaced relation to the ends of the cross bars, each strip being slit transversely between alternate cross bars, the slits of the strips being arranged in staggered and alternate relation to each other, said cross bars having end portions formed at opposite sides of said strips, with one or more pairs of vertically disposed openings, rails extending longitudinally of the track section and resting upon the upper surfaces of said strips with portions extending across the cross bars between the companion openings, and U-shaped clips consisting of strands of stiff wire having their arms passing upwardly through the pairs of openings and bent inwardly and disposed diagonally in overlapping relation to the opposite side portions of the bases of the rails and in engagement with the side edges of the rail bases and serving to hold the rails upon the track section but allow longitudinal movement of the rails and the track section relative to each other.

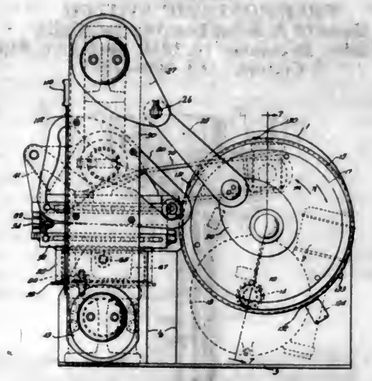
2,559,376
DEVICE FOR CLEANING, LUBRICATING, AND SEALING BARRELS OF GUNS
Wilbert F. Schnitger, Waukesha, Wis., assignor of one-half to Earl E. Southall, Milwaukee, Wis.
Application August 5, 1947, Serial No. 766,251
1 Claim. (Cl. 15—104.05)

In a device for cleaning and oiling guns, a cylindrical brush having a first wire loop at one end and a second wire loop at the opposite end; a first stud projecting axially of said brush and formed at one end with a diametric slot in which said first loop is removably positioned and being formed at its other end with external screw threads; a second stud projecting axially of said brush and formed at one end with a diametric slot in which said second loop is removably posi-



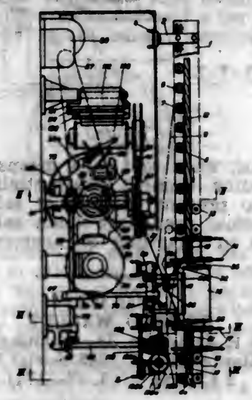
tioned and being formed at its other end with a portion of reduced diameter, said reduced portion being formed in its outer end with a threaded axially extending aperture; an axially bored cylindrical roll of relatively soft compressible material positioned on the reduced portion of said second stud; and a screw extending through the bore of said roll and having a portion removably positioned in the threaded aperture of the second stud for holding said roll in position on said stud.

2,559,377
PRESS FOR VULCANIZING MECHANICAL ARTICLES
Leslie E. Soderquist, Akron, Ohio, assignor to The McNeil Machine and Engineering Company, Akron, Ohio, a corporation of Ohio
Application February 6, 1947, Serial No. 726,912
12 Claims. (Cl. 18—16)



12. In a press, a pair of mating heated mold sections having cavities therein for molding plastic stocks, an electric motor, mechanical connections between the motor and the mold sections to draw the sections together over the stock in the mold cavities, said connections including a link, a floating bar attached near one end to said link, circuit breaking means controlling the circuit to the motor, mechanism carried by said link and actuated by relative movement of said bar and link in response to the strain in said link exerted by the resistance of the stock on approach of the mold sections prior to complete closure thereof to open said circuit breaking means when said strain reaches a predetermined value, and to hold said circuit breaking means open until the strain in said link decreases to a second predetermined value, and means actuated by relative movement of said bar and link in response to said decrease in the strain in said link to thereafter close said circuit breaking means.

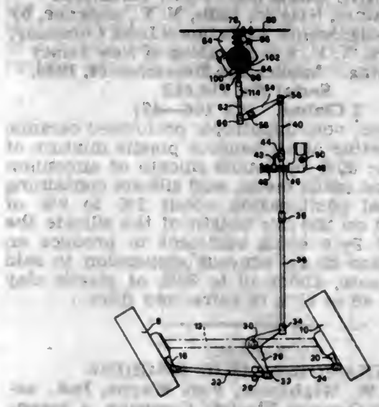
2,559,378
MACHINE FOR THE MANUFACTURE OF SMALL FLOOR-PARQUETING BLOCKS
Adolf Stalder, Eschlikon, Switzerland
Application May 2, 1947, Serial No. 745,521
In Switzerland May 3, 1946
2 Claims. (Cl. 142—38)



1. In a machine for the manufacture of small floor-parqueting blocks; two chuck plates for treating the blocks in two positions extending at right angles to each other and having an interchanging position for the transfer of blocks from one chuck plate to the other, each chuck plate comprising a rotary disc, each disc having a plurality of fixed jaws firmly connected therewith and protruding therefrom, a movable jaw for each fixed jaw coacting to form a jaw pair, and spring means urging one movable jaw toward the corresponding fixed jaw of the pair; means rotating one of the discs in a horizontal plane and the second disc in a plane at 90° to the plane of the first disc with a jaw pair of the second disc below and close to a jaw pair of the first disc at said interchanging position, cam means for the first disc moving the movable jaw of the jaw pair in said interchanging position away from the fixed jaw of that pair against the action of the spring means to release a block held by the jaw pair, and cam means to close the jaws of the jaw pair of the second disc in said interchanging position upon receipt of the block released by the jaw pair of the first disc.

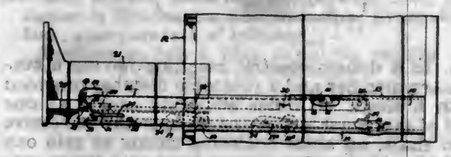
2,559,379
THREE-WHEEL STEERING ASSEMBLY
Otto E. Szekely, Philadelphia, Pa., assignor, by mesne assignments, to O. E. Szekely & Associates, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 5, 1949, Serial No. 74,825
4 Claims. (Cl. 280—91)

1. A power driven vehicle having a pair of front wheels, a steering mechanism, a linkage system connecting the steering mechanism and the front wheels, a centrally located rear wheel, a rotatable shaft carrying said rear wheel, an opening located in said shaft on each side of the center line of the rear wheel, a lever having one end mounted on said shaft for both horizontal and vertical pivoting, a finger on said lever adapted to engage selectively an opening in said shaft, means to pivot said lever in a horizontal and vertical direction to shift said finger from one opening to the other opening, linkage means connecting the unpivoted end of the lever to said steering mechanism, whereby said rear wheel can be turned in the same direction as the front



wheels when said finger is in one opening and in the opposite direction to the front wheels when said finger is in the other opening.

2,559,380
EXTENSION DRAWER FOR FILING CABINETS
Carl W. Wikman, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application January 31, 1946, Serial No. 644,638
5 Claims. (Cl. 312—339)



1. In an extension slide for drawers and the like, a base rail having upper and lower guide flanges, an extension member also having upper and lower guide flanges telescopically mounted in said base rail, a slide rail projecting laterally between the guide flanges of said extension member, an unpivoted anti-friction roller freely movable along and between said slide rail and the lower guide flange of said extension member, said roller having a hub projecting at both sides thereof, track means for said hub on said extension member and supporting said roller free of rolling engagement with said base rail comprising an inverted U-shaped metal piece fixed on said lower guide flange of said extension member and provided with an elongated slot through and along which the periphery of said roller may travel, and retaining means for said roller comprising a rail formed by pressing inwardly the portion of the side wall of said extension member over the hub at one side of said roller, the slot in said U-shaped member being extended beyond one end of said retaining rail to permit removal and insertion of the roller and its hub in said slot, and said U-shaped member being formed with an integral bendable portion of said slot at the rear end thereof adapted to be moved into position to retain said roller in said slot when said bendable portion is in a predetermined position relative thereto.

2,559,381

ALKALINE EARTH SILICATES OF ZIRCONIUM AND COMPOSITIONS THEREOF

Eugene Wainer, Niagara Falls, N. Y., assignor, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 14, 1946, Serial No. 716,443
3 Claims. (Cl. 106—46)

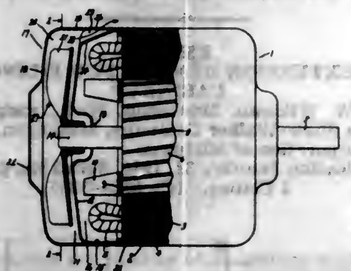
1. A green, non-thixotropic preformed ceramic body consisting of an aqueous plastic mixture of about 10 to 30% of double silicate of zirconium and alkaline earth metal, said silicate containing in chemical combination about 2% to 9% of P_2O_5 based on the dry weight of the silicate the amount of P_2O_5 being sufficient to produce an acid reaction in an aqueous suspension to said double silicate, about 10 to 30% of plastic clay and about 40 to 60% of refractory filler.

2,559,382

DYNAMOELECTRIC MACHINE

Lawrance W. Wightman, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application April 11, 1950, Serial No. 155,214
7 Claims. (Cl. 171—252)



1. In a dynamoelectric machine having a stationary member and a rotatable member provided with a shaft, an inner enclosing casing at one end of said machine having an aperture to receive said shaft, an outer enclosing casing at said one end of said machine spaced from said inner casing, and a fan on said shaft arranged intermediate said inner and outer enclosing casings, said outer casing having an opening formed therein for admitting air to said fan, said inner casing having a depression formed therein, said outer casing having an opening formed in its circumferential surface, said depression having its end remote from said fan opening into said outer casing opening so that the air discharged by said fan is guided axially and radially by said depression and discharged through said outer casing opening axially over the outer surface of said machine.

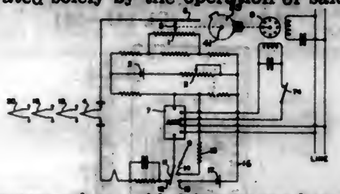
2,559,383

MULTIPLE RECORDING INSTRUMENT

Walter P. Wills, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application October 31, 1946, Serial No. 706,941
5 Claims. (Cl. 346—33)

1. In a recording instrument having a chart upon which a record is to be made, a recording element normally maintained out of recording engagement with the chart, drive means to shift said recording element across the chart to a position corresponding to the value of a condition to be recorded, actuating means for said recording element operative to move said recording element momentarily into recording engagement with the chart, detecting means to cause operation of said actuating means only when said recording element is substantially in said position, and arresting mechanism constructed and arranged to be operated solely by the operation of said actuating means, when said drive means has shifted said recording element substantially into said position, to prevent shifting of said recording element across the chart when said recording element is in recording engagement with the chart.

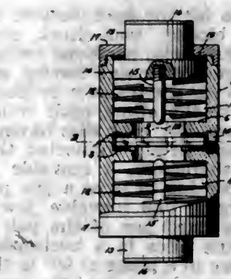


2,559,384

CHIMED MALLET

Clarence E. Anderson, Jr., Washington, D. C.

Application August 9, 1948, Serial No. 43,260
2 Claims. (Cl. 46—174)



1. A chimed mallet including a hollow body of rigid material having end openings; heads mounted for reciprocation in the respective openings, said heads when struck against a surface telescoping in the openings; means inside and rigid with said body and located centrally between the opposite ends of said body and constituting a stop shoulder having a central opening; a chime bar mounted upon said shoulder and extended diametrically across the central opening of said shoulder; and spring means at each end of the body, each spring means abutting at one end against one face of the stop shoulder and abutting at the other end against a head, each spring means normally pressing the heads outwardly from the ends of the body and holding the inner ends of the heads spaced from opposite faces of the chime bar, each spring means absorbing part of the shock of impact when a head is struck against a surface before contact of the head with the chime bar.

2,559,385

CONSTRUCTION OF BUFFING WHEELS

Henry H. Bahr, New York, N. Y., assignor to Guaranteed Buff Co., Inc., New York, N. Y., a corporation of New York

Application June 22, 1948, Serial No. 34,574
6 Claims. (Cl. 51—193)

1. A buffing wheel comprising a hub member having a circular periphery and having a plurality of slots adjacent said periphery, a plurality of helically wound flattened rolls of fabric attached to said hub, each said roll being formed of a strip of bias cut fabric folded upon itself along a medial line and having a plurality of perforations through said fabric at said medial line, generally T-shaped flat members, each member having a cross bar and a leg depending therefrom, the leg of said T passing through



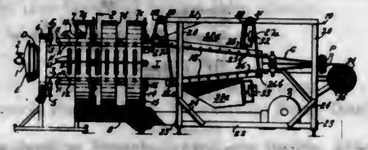
said perforations and said cross bar anchored in said slots in said hub, the inner edge of said fabric being spaced from said periphery, the cross bars of said T-shaped members being spaced apart at said medial line to partly support said fabric, said fabric being arranged in radial sinuous folds with a fold between adjacent T-shaped members, each said roll occupying a relatively small arc about said hub.

2,559,386

MANUFACTURE OF LAY FLAT TUBING

James Bailey, West Hartford, Conn., assignor to Plax Corporation, West Hartford, Conn., a corporation of Delaware

Application October 27, 1948, Serial No. 56,895
12 Claims. (Cl. 18—14)



12. Apparatus for forming tubing of thermoplastic material including an annular die, an extruder for continuously extruding heated thermoplastic material from the annular die in the form of tubing, means for drawing the tubing from the die, means for introducing fluid pressure into the upstream portion of the tubing to blow successive portions to a size other than its extrusion diameter, a sizing passage through which the tubing passes substantially frictionlessly comprising a series of spaced rings of rollers for limiting the size to which the tubing is blown, and means for adjusting the location of the rollers to vary the size of the several sizing rings which they define and provide for adjustment of a ring of rollers from positions in the same plane to overlapping positions in the spaced planes.

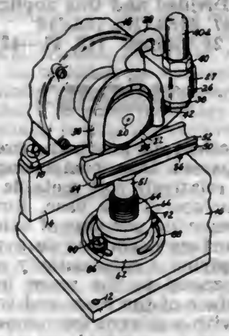
2,559,387

SHEATH REMOVING MACHINE

Raymond S. Baker, Binghamton, N. Y., assignor to Link Aviation, Inc., a corporation of New York

Application October 12, 1945, Serial No. 621,981
9 Claims. (Cl. 164—60)

9. A machine for removing the sheathing from sheathed articles comprising, in combination, a rotary cutting knife having a cutting edge, means connected to said knife for driving the same, a pointed and slotted sheathing guide positioned below said knife, the point of said guide being positioned approximately below the center of rotation of the knife and a slight distance below the cutting edge of said knife, the top edges of said slots being inclined upwardly from said point to a height above the adjacent portion of said cutting edge so that said cutting edge travels



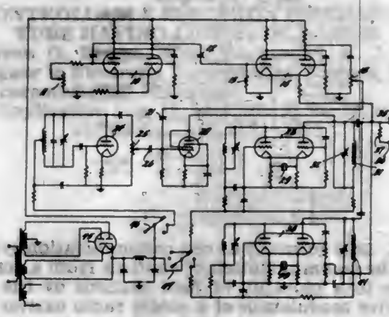
through said slot, a bed angularly adjustable in a plane perpendicular to the plane of the knife positioned below said guide and knife for supporting the sheathed article, and manually operable means for changing the vertical position of said bed.

2,559,388

TELEVISION RECEIVER TESTING APPARATUS

Bernard Horace Baldridge, Evansville, Ind., assignor to Electronics Research, Inc., Evansville, Ind., a corporation of Indiana

Application July 6, 1949, Serial No. 103,274
3 Claims. (Cl. 178—7.5)



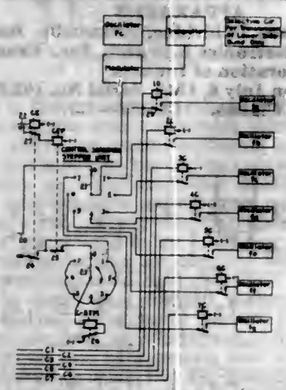
2. Apparatus for use in testing television receivers, comprising, in combination, a generator of a carrier wave of television channel frequency, generators of two video waves having frequencies which are multiples respectively of the conventional number of scanning lines per second and the number of picture frames per second, means modulating said carrier wave with both of said video waves, a second carrier wave having a sound channel frequency, means modulating the frequency of said second carrier wave with the second of said two video waves, a common output line for the modulated carrier waves, and means concurrently applying the modulated carrier waves to said line.

2,559,389
METHOD OF PRODUCING PRECISION IMAGES
Allan R. A. Beeber, Matawan, David D. Jacobus, Hoboken, and Carl W. Keuffel, Bernardsville, N. J., assignors to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Original application April 2, 1942, Serial No. 437,438. Divided and this application December 24, 1947, Serial No. 793,646
20 Claims. (Cl. 41—43)



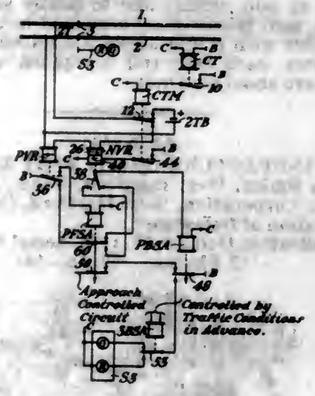
5. The method for producing precision images on a transparent base, comprising the steps of applying a relatively soft metallic film as a resist to a surface of the base, forming a resist image by removing portions of said resist to expose said surface according to a predetermined pattern, applying a substantially opaque film of a different metal to the resist image and the exposed surface of the base, and treating the resist image with a solvent for removing the residual resist and its overlaid substantially opaque film without removing the substantially opaque film applied directly on the base.

2,559,390
CENTRALIZED TRAFFIC CONTROL SYSTEM
Donald Blaisdell, Chili, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 3, 1947, Serial No. 758,833
16 Claims. (Cl. 177—353)



12. In a normally at rest communication system for the communication of controls from a central office to a plurality of field stations by the distinctive modulation of a single radio carrier frequency, stepping apparatus at the control office operable when initiated to operate step by step through a cycle of operation to positions characteristic of the different stations and when set in any particular station position also being operable through a plurality of successive control positions, manually operable means for designating any one of a plurality of said field stations and also determining the controls for that station, circuit means for initiating operation of said stepping apparatus when any station is designated and causing said stepping apparatus to be set in the position corresponding to that station, circuit means effective when said stepping apparatus is in a position corresponding to a particular station to transmit a carrier pulse modulated to identify that station, said station pulse being followed by a series of pulses modulated to characterize the controls for such station, means at each field station responsive only to a pulse distinctive of that station and rendered active only for a limited time thereafter, and circuit means at each field station rendered responsive to control pulses only when said station selecting means is rendered active and only during said limited time, and means rendered active in response to said circuit means for storing said controls following said limited time and until that station again receives control pulses.

2,559,391
CODED SIGNALING APPARATUS
Herman G. Blosser, Pittsburgh, and Frank H. Nicholson, Penn Township, Allegheny County, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 23, 1946, Serial No. 711,964
9 Claims. (Cl. 246—34)



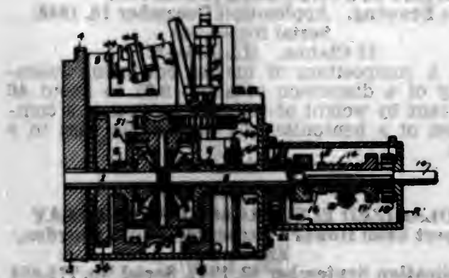
7. In a coded signaling system, a first and a second code following relay operated by coded energy supplied over a pair of conductors, said first code following relay having a contact biased to a first position and at times operated between said first and a second position by energy of a given character supplied over said conductors, said second code following relay having a contact which at times is operated from a first to a second position by energy of a character different from said given character supplied over said conductors and for which energy of different character the contact of said first code following relay remains in its first position, local biasing means for at times operating said second code following relay, means for selectively detecting operation of said code following relays comprising a first and a second slow release relay, a circuit including a second position contact of said first code following relay for supplying energy to said first slow release relay, circuit means including a first position contact of said first code following relay for supplying energy to said second slow release relay provided the contact of said second code following relay is in a selected one of its two positions, said selected position of the contact of said second code following relay being that effected by said local biasing means when said first code following relay is following code and being that effected by said energy of different character supplied over said conductors when the first code following relay is not following code, a control circuit governed by front contacts of said first and second slow release relays in series, and a circuit governed by a contact of said second slow release relay.

2,559,392
ON TRACK RAILWAY BRAKE
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 10, 1948, Serial No. 48,585
7 Claims. (Cl. 188—62)



1. Railway braking apparatus, comprising elongated brake shoe means for each rail of a stretch of railway track, said brake shoe means lying alongside said rail and being movable toward the rail into braking engagement with the wheels of a car on the rail, means for operating the shoe means comprising, for each shoe means, at least one operating unit, the shoe means for one rail being offset along the track with respect to the shoe means for the other rail, and guide rails adjacent the outer sides of the track rails at the exit end of said shoe means for supporting any car wheels which may leave the track rails while passing the brake shoe means, the outer guide rail for the rear brake shoe means being extended so that it terminates beyond the end of the forward brake shoe means.

2,559,393
POWER TRANSMISSION
Rosario Bourget, St. Vincent de Paul, Quebec, Canada
Application March 5, 1947, Serial No. 732,611
1 Claim. (Cl. 74—691)



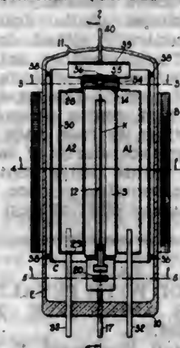
In a hydraulic mechanism for controlling a variable speed drive of the disc and wheel type in power transmission mechanism for a motor-operated vehicle, the combination with a main gear box, a casing secured to said main gear box, a rotary oil pump positioned in said casing, a main power transmission shaft comprising a driving section adapted to be connected to a power source, a driven section, a planetary gearing connecting said driven section to said drive section, a fly wheel mounted on said driving section provided with an external gear ring, an oil tank and valve casing positioned in said gear box, a valve in said valve casing for controlling the flow of oil from said oil tank, said tank being supplied with oil by said pump and said pump being operated by said driving section, a hydraulic cylinder positioned in a corner of said gear box and connected to said valve casing, a first stud shaft journaled on the top of said gear box, a pinion on said first stud shaft meshing with the gear ring on said flywheel, a second stud shaft connected to said first stud shaft, a conical friction disc mounted on said second stud shaft, a vertically reciprocable shaft slidably mounted in said gear box, a friction wheel mounted on said reciprocable shaft for coaction with said friction disc, said reciprocable shaft adapted to be lifted by hydraulic pressure within the cylinder, gear means connecting said reciprocable shaft to said planetary gearing, a spring for normally urging the reciprocable shaft downwardly, and an adjustable governor for regulating fluid pressure in the cylinder.

2,559,394
POTENTIOMETER
Joseph G. Brady, Minneapolis, and Clyde H. Jackson, St. Paul, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 15, 1950, Serial No. 162,016
6 Claims. (Cl. 201—56)



1. A potentiometer having an electrical conductor of comparatively low resistance wound in a first direction, a resistance wire of comparatively high resistance wound in the opposite direction over said conductor such that the turns of the resistance wire are substantially parallel to the turns of the conductor, one end of the conductor being connected to one end of the wire, and a wiper arm making contact only with said resistance wire.

2,559,395
CONTROLLABLE ELECTRON DISCHARGE TUBE HAVING LOW TUBE LOSSES
Warren G. Brown, West Englewood, N. J., assignor to Electrons, Incorporated, Newark, N. J., a corporation of Delaware
Application July 15, 1948, Serial No. 38,784
15 Claims. (Cl. 313—153)



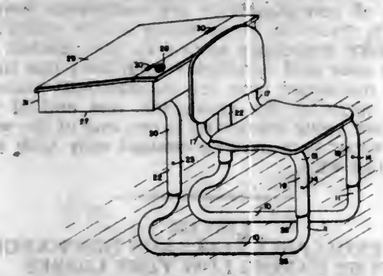
1. An electron discharge device of the high vacuum type operated by conduction of primary electrons and comprising in combination, a thermionic emissive cathode heated by current and associated shielding means at cathode potential for limiting electron emission into space from

two principal emissive surfaces of said cathode, an anode having planar surfaces to collect electrons emitted by said cathode and disposed in planes at one side of the cathode generally parallel with its principal emissive surfaces so that its potential is comparatively ineffective to control electron emission from said cathode, a source of magneto-motive-force establishing a magnetic field directed generally parallel with the emissive surfaces of said cathode, and a control electrode having surfaces opposing said principal emissive surfaces of said cathode and acting dependent upon its potential relative to the cathode to suppress or establish the space current to be received by said anode, said magnetic circuit having a strength to direct the electrons of said space current along paths in curved beams extending to said anode surfaces but largely escaping said control electrode for a range of relatively high positive potentials thereon, whereby the space current of the tube collected by the anode is established principally by the control electrode without significant electron current thereto, and largely independently of the anode to cathode difference of potential.

2,559,396

ADJUSTABLE TUBULAR METAL SCHOOL DESK AND SEAT

Irvine A. Bruchet, Lethbridge, Alberta, Canada
Application December 26, 1946, Serial No. 718,491
2 Claims. (Cl. 155—3)



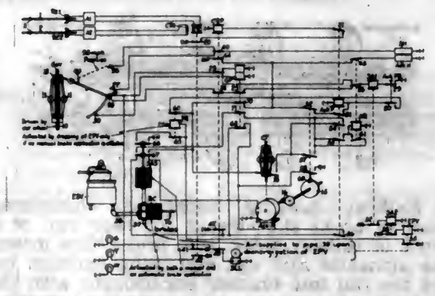
1. An article of furniture comprising a base member composed of spaced parallel rods having one of their ends bent upwardly to form front standards and their opposite ends reversely curved and then bent upwardly to provide rear standards, a U shape tubular frame having its free ends telescopically fitted over the front standards of said base member, said frame being angularly bent to form a horizontal seat portion in superposed relation to the base member and an upright back rest, and a second U shape tubular frame having its free ends telescopically fitted over the rear standards of said base member, said second frame being bent to provide a horizontal desk supporting portion in superposed relation to the curved ends of said base member.

2,559,397

SPEED CONTROL WITH PENALTY MEANS IN CONTINUOUS INDUCTIVE TRAIN CONTROL SYSTEMS

Charles S. Bushnell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application October 11, 1945, Serial No. 621,690
4 Claims. (Cl. 246—63)

1. An automatic train control system comprising, a vehicle carried control relay controlled in accordance with traffic conditions in advance and energized when traffic conditions in advance are favorable, a speed responsive contact closed only if the speed of the vehicle is below a predetermined value, a brake control device, an audible speed signal, an audible acknowledging signal, means for holding said brake control device inactive when said control relay assumes an energized condition, means for sounding said audible speed signal so long as said control relay assumes its deenergized position and said speed responsive contact is open, other means for holding said



brake control device inactive when the speed of the vehicle has been reduced to a value where said speed responsive contact is closed effective only if the engineer himself maintained the brakes applied so long as said speed responsive contact was open and said control relay assumed its deenergized condition, said other means also including means for intermittently sounding said acknowledging signal and an acknowledging device which must be intermittently manually operated once for each sounding of said acknowledging signal.

2,559,398

WAX COMPOSITIONS AND METHOD FOR MAKING SAME

Robert G. Capell, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application December 16, 1948, Serial No. 65,740
13 Claims. (Cl. 106—272)

1. A composition of matter consisting essentially of a dispersion of about 0.01 to about 40 per cent by weight of the composition of a compound of a bentonite and an organic base in a wax.

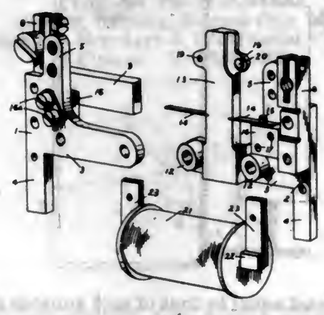
2,559,399

POLARIZED ELECTROMAGNETIC RELAY

Rupert Evan Howard Carpenter, South Croydon, England
Application September 22, 1947, Serial No. 775,455
In Great Britain October 2, 1946
5 Claims. (Cl. 175—339)

1. An electromagnetic device for the interconversion of electrical and mechanical vibrations comprising, an energizing coil having a magnetic core, a pair of pole pieces formed of two flat plates of soft magnetic material and having main limbs arranged in parallel relation transversely of the axis of said coil, one end of each main limb being magnetically connected with one end of said core, said pole pieces also having auxiliary limbs extending from points intermediate the ends of said main limbs at right angles thereto and in overlapping parallel relation parallel with the axis of said coil, means securing said overlapping auxiliary limbs together in spaced parallel

relation including a pair of spacers of equal thickness interposed between said auxiliary limbs at spaced points along their length, the inner faces of said auxiliary limbs between said spacers forming the bounding surfaces of an air gap having a length equal to the thickness of said spacers, and

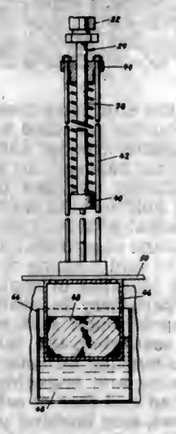


an elongated magnetic armature having one end thereof positioned within said air gap and extending in the space between the outer end portions of said main limbs, and means for pivotally supporting said armature from the outer end portions of said main limbs for vibration about an axis parallel with the axis of said coil.

2,559,400

SPRING TESTING MACHINE

Howard Hoy Clark, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 8, 1945, Serial No. 571,736
1 Claim. (Cl. 73—161)

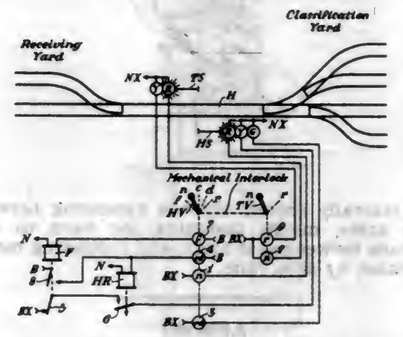


In a coil spring fatigue testing machine, actuating means including a rod supporting one end of a spring to be tested in a vertical telescoping relation thereto, said actuating means being adjustable to the speed and amplitude necessary to vibrate the spring at its maximum critical value, means having a part telescoped by the rod and spring directly freely supported on the other end of the spring applying a constant mean load upon the spring along its axis of vibration, and means for dampening the motion of the constant mean load means.

2,559,401

CONTROL OF HUMP AND TRIMMER SIGNALS FOR CLASSIFICATION YARDS

Delbert F. Cobourn, Portsmouth, Ohio, assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 10, 1948, Serial No. 20,177
4 Claims. (Cl. 246—219)



1. In an arrangement of hump and trimmer signals of the color light type for a classification yard, in which the trimmer signal is manually controllable for displaying a proceed indication only while the hump signal is manually controlled for displaying a stop or a flashing back-up indication, the combination comprising, a flasher relay having a first contact which is open while said flasher relay is deenergized but which is periodically closed while said flasher relay is energized and having a second contact which is constantly closed while said flasher relay is deenergized but which is periodically opened while said flasher relay is energized, a slow release relay, a manually operable control device having a first and a second and also a third control position, means controlled by said control device in said first control position for energizing said flasher relay, means controlled by said control device in said second and third control positions for energizing said slow release relay, other means controlled by said first contact for periodically energizing said slow release relay, means controlled by said control device in said third control position for controlling said hump signal to display a green light, and means controlled by said second contact and by a front contact of said slow release relay for controlling said hump signal to display either its back-up indication or a steady yellow light according as said flasher relay is energized or is deenergized while said slow release relay is energized.

2,559,402

AIR-SPEED INDICATOR FOR BICYCLES

David A. Comstock, Wilton, Conn., assignor to D. A. Comstock and Company, Incorporated, South Norwalk, Conn., a corporation of Connecticut
Application October 4, 1948, Serial No. 52,689
5 Claims. (Cl. 73—228)

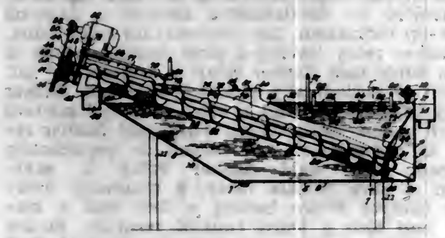
1. An air speed indicator comprising a housing provided with air inlet and outlet openings in its front and rear walls respectively, an impact vane in the housing extending diagonally across the same at one side of said inlet openings so as to be impinged by air entering these openings, a partition in the housing extending inwardly toward the center from the side of the housing on the

other side of said inlet openings, a spring frame mounted on the partition including spaced arms tending to separate and a portion connecting said arms, a thread suspension for the vane compris-



ing laterally spaced threads extending between said arms, means fastening the vane to said threads between said arms, and indicating means operated by said vane.

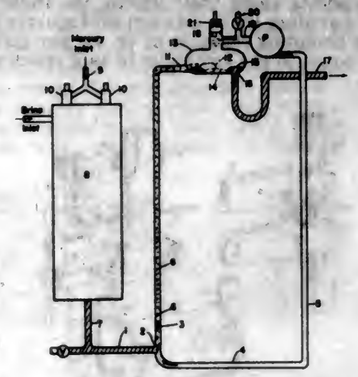
2,559,403
FLOTATION WASHER
Ralph Cover, Westminster, Md.
Application December 26, 1946, Serial No. 718,306
8 Claims. (Cl. 209—173)



1. In apparatus of the character described, a tank, means for maintaining a level of water in the tank, trough means in the tank extending in inclined relation from the bottom at one end of the tank over the top of the other end of the tank, screw means rotatable in the trough means for conveying products upwardly through the trough means, drive means for the screw means, a debris receiving trough at the end of the tank in which the trough and screw means are immersed, a paddle wheel for lifting debris from the top of the water in the tank and depositing the same in the debris receiving trough, means for driving the paddle wheel, means for providing a gentle current in the water toward the paddle wheel, rollers carried by the trough means, inclined runners mounted in the tank, and means for withdrawing the trough and screw means upwardly over said runners to clear the bottom of the tank and facilitate cleansing thereof.

2,559,404
ART OF PUMPING MERCURY
Robert B. Cox, Wyandotte, Mich., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application June 1, 1946, Serial No. 673,762
6 Claims. (Cl. 103—260)

1. The method of pumping mercury which comprises introducing liquid mercury into an aqueous stream moving at a linear velocity greater than 19 inches per second, the head of said mercury



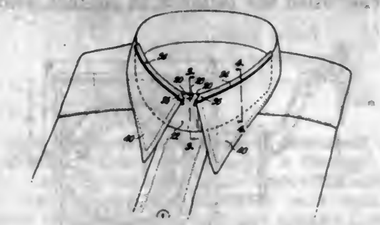
being at least equal to that of said aqueous stream at the point of entrainment.

2,559,405
VALVE
Waldemar Crevatin, Gilio Crevatin, and Mário Crevatin, Sao Paulo, Brazil
Application December 14, 1948, Serial No. 65,244
In Brazil March 31, 1948
1 Claim. (Cl. 251—141)



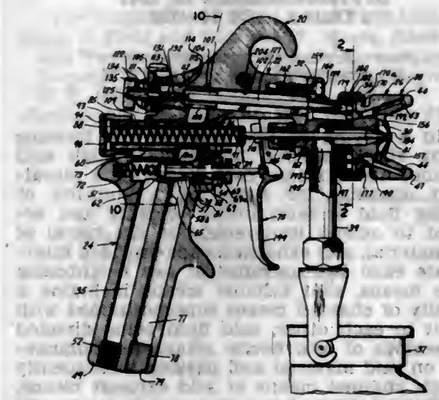
In a valve of the character described, the combination of a housing provided with a fluid passage and an opening coaxial with said passage; a valve disc in said passage; an annular seat for said disc, detachably disposed in said passage; a metering ring holding said seat in said passage and disposed coaxial with said passage, in a plane parallel to the plane of said seat at the side of the latter adjacent to said housing opening, said ring provided with a plurality of radial ports open to its center and periphery to provide outlet ways for fluid flowing through said passage and the opening of the seat when the valve disc is in an open position; a bushing adjustable in said opening of the housing and engaging the outermost portion only of an end face of said metering ring opposite said seat, said bushing provided with an internal screw thread; and a valve stem comprising a major tubular section provided with an internal screw thread and an external screw thread said latter thread in operative engagement with the thread of said bushing for axial movement of the stem when said major portion is rotated and for engagement with the innermost portion of said end face when said stem is rotated in a predetermined direction, and a minor stem section provided with an externally screw threaded portion disposed in threaded engagement with the internal thread of said major section, and a portion extending from said externally screw threaded portion through said metering ring and seat and engaging said valve disc to unseat the same when the stem is rotated in a predetermined direction.

2,559,406
COLLAR PROTECTOR
John M. Darling, Kansas City, Mo.
Application February 2, 1948, Serial No. 5,742
6 Claims. (Cl. 223—83)



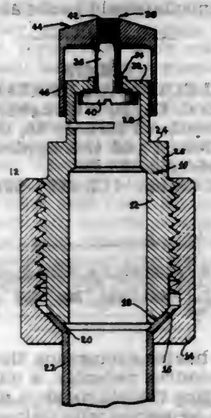
1. In combination with a shirt having an attached collar, a collar stiffener and protector comprising a pair of collar bracing bands of flexible stiffening material conformable to the inner and outer faces of the collar neck band, a flexible connection between the mid portions of the bracing bands, and a pair of arcuate ledge members on the inner bracing band overhanging the upper edge of the collar on either side of the junction between the ends of the collar, said ledge members attached solely to the inner bracing band and having their adjoining ends free of the connection between the inner and outer bracing bands.

2,559,407
SPRAY GUN
William P. Dalrymple, Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del., a corporation of Delaware
Application March 14, 1947, Serial No. 734,819
3 Claims. (Cl. 299—140.1)



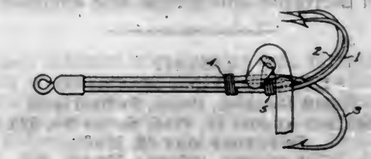
1. In a spray gun, a nozzle head adapted to pass coating material therethrough, means for feeding coating material to said nozzle, a sleeve, a needle valve for controlling the flow of coating material through said nozzle head, resilient means within said sleeve for swivelly mounting said needle valve in said sleeve and in position to urge said sleeve toward said nozzle head, and means for reciprocating said sleeve to thereby move said needle valve relative to said nozzle head.

2,559,408
FIRE EXTINGUISHER NOZZLE FOR VEHICLES
Frederick A. Dodelin, Glen Ridge, N. J., assignor to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
Application October 11, 1946, Serial No. 702,821
4 Claims. (Cl. 169—2)



3. A spraying nozzle for fire extinguisher systems in vehicles comprising a hollow body having a generally vertically disposed wall and an orifice in said wall, a protective cover for said orifice including a skirt shaped substantially to conform to the exterior surface of the portion of said wall having said orifice therein, means for loosely securing said cover to said body including interengageable parts on said cover and said body respectively, said parts having relatively movable and interengageable surfaces enabling said cover to move relative to said body limited distances in generally vertical directions between positions respectively covering and uncovering said orifice and limited distances in generally horizontal directions, said surfaces including a generally horizontally disposed surface on said body upon which the lower edge of said skirt is adapted to rest when said skirt is in a position covering said orifice, means for mounting said nozzle in a vehicle in such position that said cover will tend to gravitate to a position covering said orifice, with the lower edge of said skirt free for movement in said generally horizontal directions while resting upon said horizontally disposed surface, and means connected with said skirt and responsive to an increase in fluid pressure within said body to move said cover to a position in which it uncovers said orifice.

2,559,409
LIVE BAIT HOOK
Louis Dohmeyer, Harvey, Ill.
Application October 30, 1946, Serial No. 706,773
2 Claims. (Cl. 43—44.8)



1. In a fishing device for holding live bait, a pair of fish hooks arranged along side each other and facing in the same direction, a third hook

facing in the opposite direction intermediate of said first pair of hooks, the three hooks being joined at one end to a leader attachment, a link encircling and slidable on the pair of hooks to permit varying of the distance separating them, and a link encircling and slidable on all three hooks to permit varying the distance between said pair of hooks and the third hook to retain said live bait intermediate said hooks and said sleeves.

2,559,410
ELECTRICAL HEATER
Charles C. Doyle, Willoughby, Ohio
Original application February 15, 1945, Serial No. 578,102. Divided and this application October 12, 1949, Serial No. 120,832
1 Claim. (Cl. 219—34)



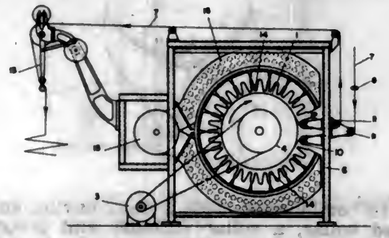
An electric heater comprising the combination of a concavo-convex reflector, a plurality of terminals projecting therethrough, a plurality of resistance units connected with pairs of said terminals on the concave side of said reflector, end walls secured to said reflector and projecting thereabove, a support journaled in upper portions of said end walls, a switch on one of said end walls, wiring connecting some of said terminals on the convex side of said reflector with each other and with said switch whereby, subject to connection with a source of current, operation of said switch successively energizes different ones of said units and a cover for the wiring on the convex side of said reflector, said cover being fitted and secured to margins of the upper portions of said end walls.

2,559,411
METHOD OF COLORING MARGARINE AND RESULTING PRODUCT
Ernest F. Drew, New York, N. Y., Harry G. Bisinger, Denville, N. J., and Jonas Kamlet, New York, N. Y., assignors to E. F. Drew & Co., Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 24, 1948, Serial No. 35,064
11 Claims. (Cl. 99—148)

1. A method of treating fat-water emulsions of the character of margarine which comprises subjecting an edible dye to reduction to form its leuco derivative, mixing a small proportion of said substantially colorless leuco derivative of a normally colored compound with such an emulsion in the absence of free oxygen, said colored compound being reducible to the leuco state and oxidizable by oxygen in the air to the colored state, and thereafter exposing said emulsion to oxygen at room temperatures to develop the color of said derivative throughout said emulsion.

2,559,412
DRUM DRYING MACHINE
Julien Dungler, Basel, Switzerland
Application August 31, 1946, Serial No. 694,276
In France May 23, 1946
1 Claim. (Cl. 34—122)

A machine for drying lengthy web material, comprising a rotary, hollow drum body adapted for the passage of steam therethrough, whereby the outer circumference of said drum body is heated from therewithin, a plurality of nozzles arranged in side by side relation to each other on the outside of and coaxially with said drum body, said nozzles being provided with respective discharge ends spaced from the circumference of said drum body, stationary circular-shaped conduit means including heating means substantially encompassing said nozzles and said drum body, whereby hot air is supplied to said nozzles for impingement on the outer surface of said web material when the latter is in contact with said



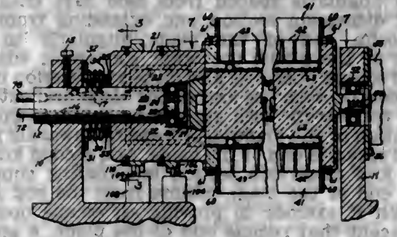
drum circumference, roller means adjacent said drum body for guiding the inner surface of said web material in contact with substantially the entire circumference of said drum body and facilitating discharge of said web material from said drum body, telescoping conduit means extending to at least one side of said circular-shaped conduit means and telescoping with respect to said circular conduit means for adjusting the position of said nozzles with respect to the width of said drum body, and a heat insulating housing surrounding said drum and supporting said roller means.

2,559,413
BLOWING NOZZLES OF DRYING OR OTHER MACHINES
Julien Dungler, Basel, Switzerland
Application February 12, 1948, Serial No. 7,942
In France February 18, 1947
6 Claims. (Cl. 34—156)



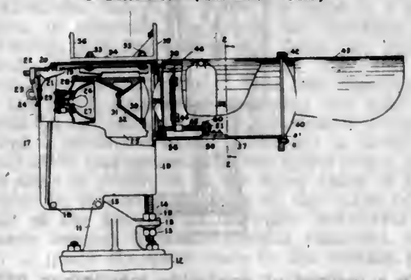
1. In a drying or like machine for treating lengthy sheet material traveling through said machine; nozzle means each including a plurality of openings for supplying a plurality of treating fluid streams under pressure and arranged to extend transversely to the travel of said material, and exhaust means provided intermediate each two openings of two neighboring nozzle means, said exhaust means including a plurality of channel means superpositioned with respect to each other, said fluid being directed by openings of said nozzle means for impingement on said material and passing subsequently through channel means of said exhaust means, said channel means being arranged to divide and guide said fluid in independent fluid streams of predetermined directions, one of said fluid streams coming from the median portion of said material being directed through one of said channel means perpendicular to and away from said material and subsequently in transverse direction to the travel of said material, other fluid streams coming from the marginal portions of said material being diverted through other channel means and in transverse direction to said travel of said material.

2,559,414
ICE-CUBE FREEZER
Irving T. Erickson, Portland, Oreg.
Application June 6, 1949, Serial No. 97,383
16 Claims. (Cl. 62—4)



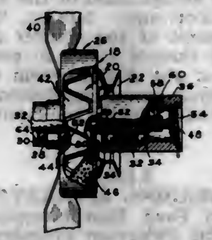
1. In a device of the character described, a pair of oppositely facing receptacles, a thermal insulating member between and supporting said receptacles, the opposite faces of said insulating member being hollowed out and spaced from the bottoms of said receptacles to provide a pair of enclosed spaces insulated from each other, a conduit in each of said spaces, a rotatable member fixed to said receptacles and having four equally spaced passages therethrough, each of which communicates with an end of one of said conduits, a stationary member associated with said rotatable member and having four openings therethrough so arranged as to be capable of simultaneous alignment with said passages, and a refrigeration system including a compressor, a discharge line from said compressor leading to one of the openings in said stationary member, a condenser in communication with a second opening in said stationary member, a liquid line leading from said condenser, orifice means connecting said liquid line to a third opening in said stationary member, and a suction line leading from the fourth opening in said stationary member to said compressor.

2,559,415
COURSE INDICATING LIGHT BEACON
Oscar S. Field and Edmund W. Moore, Rochester, and Frank S. Craig, Chili, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application November 23, 1948, Serial No. 61,642
5 Claims. (Cl. 177—352)



5. A beacon for projecting a plurality of differently colored light beams from a single light source comprising, an enclosed projector structure of generally tubular form and having a covered opening in one side intermediate to its ends, one condenser lens mounted at one end of said structure, an objective lens mounted at the other end of said structure and having a focal length falling within said structure in front of said one condenser lens, a color filter mounting means located within said structure between said objective lens and said one condenser lens and being movable longitudinally along the axis of said objective lens adjacent its focal point, manually operable means for adjusting and locking said color filter mounting means in any selected position, said manually operable means being accessible through said opening, two differently colored filters located on said color filter mounting means with a space between them formed by their straight parallel edges, said space being of a predetermined width, and a light housing including an incandescent lamp, a reflector and other condenser lens, said housing being adapted to be connected to said projecting structure at its end having said one condenser lens, whereby said one and said another condenser lenses are effective to supply light rays through said color filters and between them when they are located substantially at the focal point of said objective lens to thereby cause the projection of three adjacent light beams of different colors with the boundaries between them being sharply defined.

2,559,416
DRIVE
Howard J. Findley, Chardon, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 28, 1946, Serial No. 693,492
4 Claims. (Cl. 230—270)



1. An eddy current electromagnetic drive comprising a drive member, a driven drum member associated therewith and extending axially in telescoping fixed uniform circumferential clearance relation thereto, an electromagnetic coil carried by one of the members, and a plurality of fan blades fixedly secured to the driven member having their major portion extending radially therefrom in the axial zone of the telescoping relation between the drive and driven members.

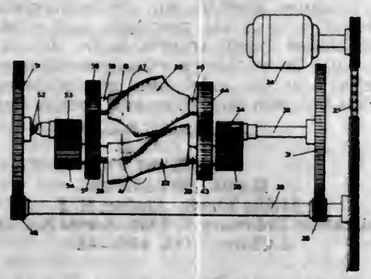
2,559,417
HAIR RETAINER
Attilio Florio, Alpine, N. J.
Application February 7, 1950, Serial No. 142,900
1 Claim. (Cl. 132—48)



A hair retainer of one-piece type formed from a strip of resilient material of narrow width and of uniform cross-section, said strip being bent in its mid-length zone to form a pair of opposing legs differing in length dimensions from such bend, the leg of shorter length being of slow curvature and having its direction of length free from bends linearly with such leg continued into and forming an integral part of the mid zone

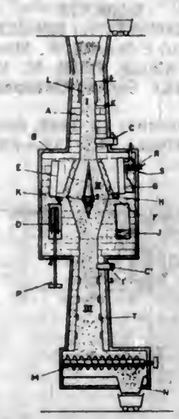
loop bend, the remaining portion of the loop being located wholly to one side of such short leg length direction and free from contact with the shorter leg when the latter is in its open position to thereby present the shorter leg as extending directly from the loop formation and subject to the resiliency of the latter, the longer leg having its free end zone flattened and formed with a return bend to constitute such zone as a keeper zone, said longer leg also being provided with an inward transversely extending dent zone positioned in proximity to but spaced from the mid-length bend to thereby provide with the leg of shorter length a pseudo loop formation of which the mid-length bend forms a part, the portion of the longer leg between the keeper and the loop zones constituting a span zone of the leg, said shorter leg having a similar span zone extending from the free end of the leg to and into the mid zone bend, the span zones of both legs being arcuately curved longitudinally of the zones with the curvature of each as of slight concave type when viewed from the outer side of the individual leg to thereby present two opposing span faces of convex curvatures adapted to cooperate in producing a mutual yield effect within the span zones when the shorter leg is moved from its open position in leg closing direction under pressure, cooperating span faces being adapted to clasp strands of hair therebetween when in closed position the movement of the shorter leg away from its open position concurrently serving to cause contact of the shorter leg with the bottom of the abrupt bend of the longer leg and to place the loop under tension, the continued closing movement of the shorter leg rendering the span zone thereof active in providing rapid development of the mutual yield conditions of the opposing span zones and development of the hair clamping effect during the closing movement.

2,559,418
KNEADING APPARATUS
Eardley Harry Ford, East Liverpool, Ohio, assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio, a corporation of Ohio
Application January 30, 1948, Serial No. 5,301
15 Claims. (Cl. 259—104)



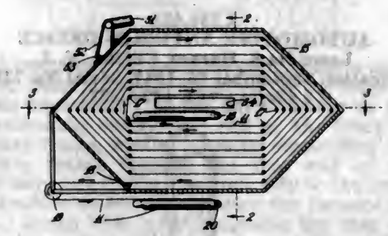
1. In a kneading apparatus, a trough having two partially cylindrical inner surfaces in the lower portion thereof, a kneading blade mounted for rotation in one of said partially cylindrical portions, said blade having a kneading and dispersion section extending from one end thereof angularly to the axis of the blade, the outer edge of said kneading and dispersion section being concentric with the axis of the blade and extending rearwardly with respect to the direction of rotation of the blade in proceeding inwardly from the said end of the blade, the outer concentric portion of said kneading and dispersion section terminating short of the end of the blade remote from the end from which said section extends to provide an escape opening adjacent said remote end of the blade, said blade having a second kneading and dispersion section angularly spaced from said first kneading and dispersion section and extending from the opposite end of the blade angularly to the axis of the blade, the outer concentric edge of said second kneading and dispersion section being concentric with the axis of the blade and extending rearwardly with respect to the direction of rotation of the blade in proceeding inwardly from said opposite end of the blade, said second kneading and dispersion section terminating short of the end of the blade remote from the end from which it extends to provide an escape opening adjacent that remote end of the blade, a second kneading blade shaped like said first kneading blade and mounted for rotation in the other of said partially cylindrical portions of the trough, said second blade being in reversed end-to-end relationship with respect to said first blade and intermeshing therewith, and means for rotating said blades at the same peripheral speed in opposite directions with the adjacent peripheral portions moving downwardly, the respective escape zones of one kneading and dispersion section providing spaces through which end portions of the respective kneading and dispersion sections of the other blade pass during rotation of the blades, whereby material being worked upon will first be moved axially in one direction by one blade and discharged through an escape zone thereof into the path of the other blade for movement by said other blade axially in the reverse direction.

2,559,419
CONTINUOUS PRODUCTION OF VOLATILIZABLE METALS
Robert Fouquet, Paris, France
Application April 24, 1948, Serial No. 22,977
In France March 1, 1948
1 Claim. (Cl. 75—67)



In a method of producing magnesium by the thermal reduction of magnesium ores by nongas-forming solid reducing agents, the steps of forming a finely divided particulate intimate mixture of said ore and reducing agent, introducing said mixture into a vertical elongated reaction chamber comprising three superimposed vertical zones, heating said mixture to degas and dry it and simultaneously feeding the same by gravity to form a self-packed substantially gas impervious enclosed column of said mixture in the first zone, allowing said gas impervious column to descend by gravity from said first zone into a reduction zone, reducing the ore in said reduction zone by heating to reaction temperature to vaporize the resulting magnesium, causing the magnesium vapors to pass from said reduction zone substantially laterally into a condensation chamber to be condensed into liquid state therein by virtue of the pressure differential established between said condensation chamber and said reduction zone as a result of the cooling of said magnesium vapors in said condensation chamber, allowing the spent solid reaction materials to form by gravity a self-packed gas-impervious enclosed column in the third zone beneath said reduction zone, said columns of raw and spent materials in said first and third zones being substantially continuous and having a length sufficient to render them substantially impervious to the passage of gas vertically therealong, whereby the ingress of air through said columns into said reduction zone is prevented.

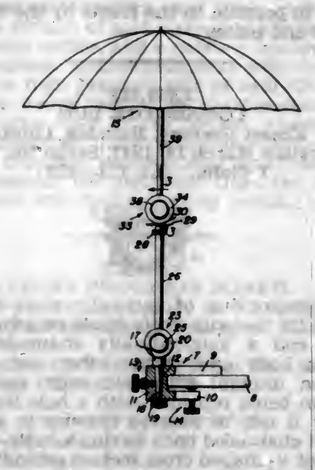
2,559,420
APPARATUS FOR MANUFACTURE OF FILMS AND FOILS
Gennady Frenkel, deceased, late of Surbiton, England, by Benjamin Frenkel, London, and Elizabeth Frenkel, Surbiton, England, administrators
Application February 7, 1948, Serial No. 6,982
In Great Britain January 22, 1947
3 Claims. (Cl. 18—15)



1. Apparatus for casting films and foils comprising in combination an endless supporting band, guides for the band to cause it to move outwardly in a "spiral" path for part of its travel, a guide bar at the centre of the "spiral" around which the band passes which guide bar is set diagonally across the direction of advance of the band to guide the band into the spiral path as it advances, means to guide the band in a horizontal or substantially horizontal direction past a casting position toward the guide bar, casting means located above the band where it approaches the guide bar to cast film material on to the band, means for stripping the cast material off the band after its emergence from the spiral, a further diagonal guide bar to direct the band after emergence from the spiral into a path, the sides of which lie in the same plane at right angles to the band surface as the sides of the path of the film on its way into the spiral and means beyond the said further diagonal guide bar to guide the band back to the casting position.

2,559,421
UMBRELLA FOR USE ON BOATS
Jesse M. Garrett, Longview, Tex.
Application June 15, 1949, Serial No. 99,327
1 Claim. (Cl. 248—38)

A convertible boat type umbrella support comprising a clamp for attachment to a fixed support, said clamp having a tapered open-ended vertical bore, an adapter unit embodying a vertical stub member having a shoulder and a reduced tapered spindle below said shoulder, said spindle being swivelled in said bore and having a screw-threaded lower end portion passing through and beyond said bore and provided with a thumb nut adapted to clamp either loosely or tightly against said clamp, a set-screw carried by said clamp and releasably engageable with said spindle, said shoulder resting rotatably on said clamp, a jointing and hinging head carried by the upper end of said stub member, an elongated staff section provided on its lower end with a complemental jointing and hinging head opposed to said first-named head, an assembling and binding bolt

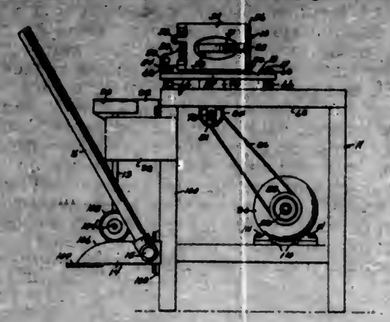


piercing said heads and providing a combination clamp and hinging joint, a third hinging and jointing head detachably, rotatably and extensibly mounted on the upper end of said staff section, a second staff section adapted to carry an umbrella canopy on its upper end, a fourth hinging and jointing head mounted on the lower end of said second staff section and opposed to said third-named head, and an assembling, clamping and hinging bolt passing through said third and fourth-named heads, said bolts being parallel to each other and at right angles to said spindle and the detachable, rotatable and extensible mounting between the third head and first staff section embodying a chuck carried by the upper end of said latter section.

2,559,422
MACHINE FOR MOLDING CONCRETE BLOCKS
Emil Garnich, Egg Harbor City, N. J.
Application July 15, 1949, Serial No. 104,898
10 Claims. (Cl. 25—41)

1. A mold for blocks of cementitious material comprising a rectangular shaped frame having side and end walls, end plates having flanges on the edges hinged to corners of the frame and positioned to be held against the said end walls with the flanges thereof extended across the edges of said end walls, resilient means urging the said end plates to outwardly extended positions, a facing plate positioned in the bottom of the frame,

and a pallet in the top of the frame for retaining the block in the mold, said facing plate and pallet held in position in the frame by the flanges of the said end plates.



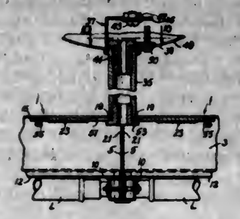
2,559,423
CONNECTOR LUG
Ernest Gregory, Hamden, Conn.
Application March 18, 1947, Serial No. 735,439
1 Claim. (Cl. 173—259)



A connector lug of generally plate-like form adapted for use with knife-blade switches having at one end a longitudinally channeled cable-receiving body and at the other end a planar extension integral with said body, said planar extension being provided with a hole for a screw whereby it can be secured flatwise to a suitable bed, said channeled body having a cable-engaging bottom of V-shaped cross section extending below the plane of said extension and having extending upwardly from said bottom, side walls with flanges at their upper portions, which flanges are extended in a lateral and outward direction, said flanges being provided intermediate of their ends with threaded holes, a clamping plate extended over the cable-receiving channel and over said flanges and having holes adapted to register with those in said flanges, and headed screws having shanks engaging said threaded holes and extending through the holes in said clamping plate and having their heads adapted to force the plate toward the channel in said body to seat the cable in said V-shaped bottom portion, said clamping plate having a downwardly offset cable-clamping portion extending between the side walls of the channel and having its side margins engaging and guided by said side walls in moving to clamping position, the clamping plate being of sheet metal and said offset portion being constituted by downwardly bent plate portions directed transversely of the channel and having arcuate serrated lower edges which engage the cable.

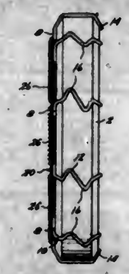
2,559,424
CEILING LAMP FIXTURE AND CONTINUOUS MOUNTING ARRANGEMENTS THEREFOR
Edwin F. Guth, Jr., Ladue, Mo., assignor to The Edwin F. Guth Company, St. Louis, Mo., a corporation of Missouri
Application May 26, 1949, Serial No. 95,402
11 Claims. (Cl. 240—51.11)

4. A ceiling lamp fixture for fluorescent lamps or the like comprising a sheet metal channel adapted to be mounted with the channel opening downward, end walls closing the ends of said channel and carrying sockets for supporting at least one fluorescent lamp or the like extending longitudinally under the channel, said fixture having adjacent its ends within the channel and under the top wall of the channel a pair of support-receiving eyes which open longitudinally of the channel, said end walls having support-receiving openings in longitudinal alignment with



the respective eyes, said top wall having knock-outs at its respective ends adapted to be readily removed to provide notches which open into the openings in the end walls, the opening and eye at each end of said channel being adapted for the reception of a supporting element inserted endwise through the opening and the eye, and the notch at each end of the channel being adapted to accommodate a hanger carrying said element.

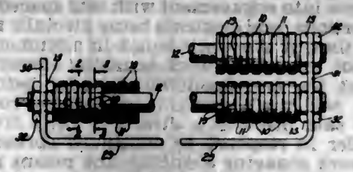
2,559,425
AUTOMOTIVE ANTISKID DEVICE
Leocadia S. Haracz, Clifton, N. J.
Application September 25, 1947, Serial No. 776,137
1 Claim. (Cl. 152—225)



In an anti-skid device for a vehicle wheel, said wheel including a hub cap and tire, said anti-skid device comprising a center ring arranged contiguous to said hub cap, a plurality of radially-disposed springs each having an end connected to said ring, a cleat connected to the other end of each of said springs, each of said cleats including a zig-zag portion and a hook portion for engagement with said tire, a hook secured to each of said cleats, and coil springs connecting said cleats together, said coil springs having their ends detachably connected to said hooks.

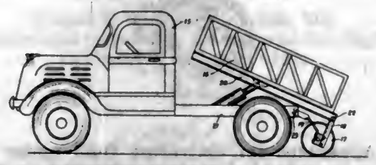
2,559,426
ARRESTER
Walter C. Hasselhorn and John S. Baker, Chicago, Ill., assignors to Cook Electric Company, Chicago, Ill., a corporation of Illinois
Application July 31, 1948, Serial No. 41,748
6 Claims. (Cl. 313—325)

3. A lighting arrester comprising a central mounting rod forming a grounded electrode, a plurality of alternately arranged line electrodes and insulation washers on said rod, said washers being slidably disposed upon said rod and having shoulders supporting said line electrodes spaced from said rod to provide a plurality of spark gaps between the line electrodes and said rod, said



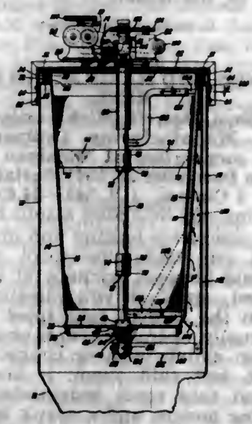
washers having spaced openings therein to form with said spark gaps a closed gas-filled chamber, and means at the ends of said rod to hold said line electrodes and said washers together in gas-tight relation.

2,559,427
DETACHABLE ROAD ROLLER
George Hastings, New Liskeard, Ontario, Canada
Application November 2, 1945, Serial No. 626,337
2 Claims. (Cl. 94—50)



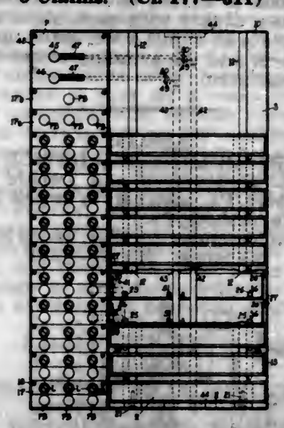
1. A road working machine comprising a truck, a dump body hingedly mounted on the truck on an axis transversely to the truck having its rear end extending beyond the end of the truck, an auxiliary frame, means pivotally suspending said auxiliary frame beneath the rear end of said dump body on an axis longitudinally to the truck, and pressure means for elevating the forward end of said dump body and depressing the rear end to exert a downward pressure on the auxiliary frame, and a road working unit mounted in said auxiliary frame for engagement with the ground.

2,559,428
DUST FILTER
Henry J. Hersey, Jr., Chatham, N. J.
Application June 21, 1949, Serial No. 100,324
11 Claims. (Cl. 183—61)



1. A dust filter comprising a chamber having generally vertically disposed walls and a portion near the bottom thereof for collecting dust particles which gravitate to said portion, a porous filter medium suspended within said chamber and forming a generally vertically disposed wall defining a sub-chamber communicating with said chamber only through said porous filter medium, means for directing dust-laden gas to said chamber under gaseous pressure greater than that existing in said subchamber to cause said gas to pass through said filter medium and to deposit a layer of the solids forming said dust on the high pressure surface of said filter medium, means for cleaning said filter medium comprising a hollow member having a wall engaging the low pressure side of said filter medium and having an orifice formed in said wall, means for supplying air at a gaseous pressure substantially higher than that existing in said chamber for discharge through said orifice and through said filter medium to dislodge a portion of said layer of solids in a zone opposite said orifice, and a receiver located within said chamber in close proximity with that portion of the high pressure side of said filter medium from which said solids are dislodged, said receiver being open at the bottom whereby the particles dislodged from said filter medium and propelled into said receiver may gravitate within said receiver for discharge from the bottom thereof into the dust-collecting portion of said chamber.

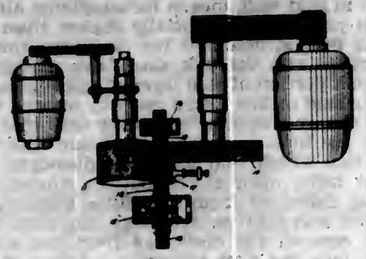
2,559,429
FLIGHT PROGRESS BOARD
Ralph W. Hewes, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application April 13, 1950, Serial No. 155,639
8 Claims. (Cl. 177—311)



2. A flight progress board for indicating airplane flights assigned to respective flight altitudes comprising in combination for a particular fix, a control panel having an indicator lamp and a push botton for each flight altitude, the push buttons being disposed one above the other, circuit means for extinguishing said indicator lamp by the actuation of said push button for the associated flight altitude, a flight progress strip receptacle disposed opposite said push button for each flight altitude, a trip mechanism for each receptacle normally effective to support that receptacle, said trip mechanism being interlocked with the push button for the associated flight altitude so as to be actuated when that push button is actuated for the extinguishing of the associated indicator lamp, thus dropping that receptacle to the next lower flight altitude posi-

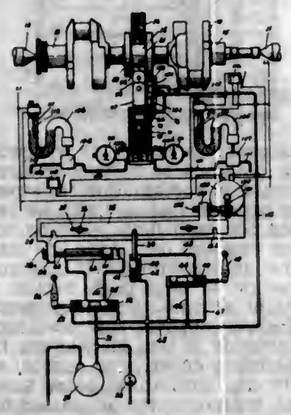
tion, and manually operable means effective when actuated to actuate said trip mechanism simultaneously for a predetermined group of flight altitudes, irrespective of the actuation of the associated push buttons.

2,559,430
LOADING DEVICE
Milburn A. Hollengreen and William E. Happel, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa.
Application December 8, 1948, Serial No. 64,156
6 Claims. (Cl. 51—103)



1. In a centerless grinding machine, peripherally opposed grinding and control wheels, a work rest for supporting work pieces in operative relation to said wheels, means for magnetizing work pieces before introducing them between said wheels, said magnetizing means being effective to advance said work pieces toward said wheels as additional work pieces are added and causing them to adhere to one another whereby to hold them square with each other and cause them to rotate as a unit when acted upon by the control wheel and the grinding wheel during the grinding operation.

2,559,431
WORK LOCATING DEVICE
Milburn A. Hollengreen and Donald F. Price, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa.
Application November 25, 1949, Serial No. 129,422
9 Claims. (Cl. 51—165)



1. In a machine tool, a work support, a tool support, means for effecting relative longitudinal movement between said supports, a work locating device for positioning a work piece having opposed shoulder portions relative to said tool, comprising a work engaging unit having scissoralike work engaging elements, means for spreading said elements into engagement with said spaced shoulder portions, said elements being pivotally mounted so that, if the work is not in alignment with the tool, one of the work engaging elements will contact the corresponding shoulder before the other, said work engaging unit being rotatable about said pivot in a direction away from the shoulder in response to continued spreading of said work engaging elements, and means responsive to the movement of said unit to set in operation said longitudinal moving means for moving the work in a direction to center said shoulder portions relative to said tool.

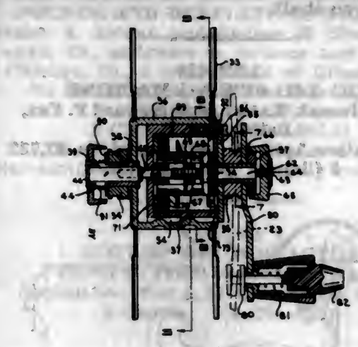
2,559,432
LIQUID DISPENSING APPARATUS
George A. Hunter, Los Angeles, Calif.
Application February 1, 1946, Serial No. 644,836
7 Claims. (Cl. 222—64)



1. Apparatus for delivering fluid under pressure, comprising; a container having an outlet, an outlet passage in controlled communication with said container, a receptacle mounted at a lower level than said container and in constant communication with said outlet passage, a diaphragm in and secured by its edge to said receptacle intermediate the length thereof and distendable to sometimes conform to the contour of the receptacle to one side of the diaphragm, and sometimes to the contour of the receptacle to the other side of the diaphragm, for receiving liquid flowing by gravity from said container and movable in one direction by the weight of liquid acting thereupon, and means for applying fluid pressure to the side of the diaphragm opposite to that in contact with the liquid for expelling the contained liquid through said outlet passage for use as the diaphragm is moved by fluid pressure in a direction opposite to that caused by the weight of the liquid.

2,559,433
COMBINED ROD HANDLE AND FISHING REEL
Edwin P. Hurd, Detroit, Mich., assignor to Hurd Lock & Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 22, 1947, Serial No. 793,185
5 Claims. (Cl. 242—84.6)

1. A fishing reel including a split housing, lock means for selectively locking and unlocking said housing, a removable line spool journaled in bearings held between portions of said housing when closed, spool driving means removably mounted in the hub of said spool and including a manually operable crank and an adjustable friction clutch member connected between said crank and said spool, a brake member mounted on said spool independently of said spool driving means, and a crank locking member associated with said crank for selectively locking said crank against rotation and comprising a spring detent member mounted in the handle of said crank and adapted to be man-



ually depressed for connection with selected portions of said split housing.

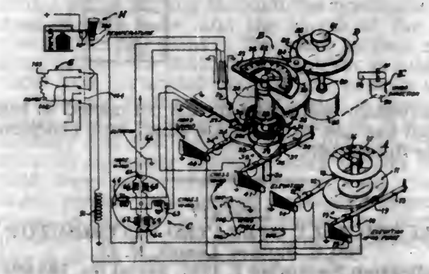
2,559,434
CUTTING GUIDE FOR CUTTING FISHING BAIT
Daniel F. Hyland, St. Louis, Mo.
Application October 2, 1948, Serial No. 52,560
11 Claims. (Cl. 146—150)



1. A cutting guide particularly for cutting fishing baits comprising a clamp having a cutting board as one jaw thereof and a template as the other jaw thereof for clamping a sheet or slab of material therebetween, said template having an aperture therethrough in the outline of a figure to be cut by inserting a cutting blade through the aperture and drawing the blade around the margin of the aperture as a guide, said template also being provided with slots forming continuations of the margin of said aperture at corners thereof, said cutting board being provided with a blade-receiving groove in the face thereof toward the template, said groove following a figure slightly smaller than the aperture so that it is located just within the margin of the aperture, said groove having continuations at corners thereof in alignment with the slots in the template, a cut-out figure being removable through the aperture without separating the board and template.

2,559,435
TACHYMETRIC SIGHT
Siegfried Gordon Isserstedt, Toronto, Ontario, Canada, assignor to Corex Limited, Toronto, Ontario, Canada, a company of Ontario
Application October 11, 1946, Serial No. 702,686
2 Claims. (Cl. 33—49)

1. In a sighting device for guns, having an illuminated movable sighting spot governed by the position of a mirror, including means for gyroscopically mounting the mirror in a magnet pot which is energized by a main electrical coil in a primary electrical circuit and including a plurality of coils in a secondary electrical circuit magnetically coupled with and designed to modify the magnetic field effects of the main coil on the gyroscopical mounting to correct the sighting spot, and wherein the plurality of coils are arranged in groups as cross-wind coils, horizontal wind coils, and tangent elevation coils; the combination comprising, means connecting said circuits in parallel between positive voltage and ground and including variable range resistor means for distributing positive voltage between the circuits according to range, a variable elevation wind force resistor having one end thereof connected to ground, means for applying a positive voltage to the other end of said resistor according to wind force, a slider on said elevation wind force resistor, cam means for actuating said slider in accordance with elevation to select a maximum voltage from said elevation wind force resistor when the elevation of the gun barrel

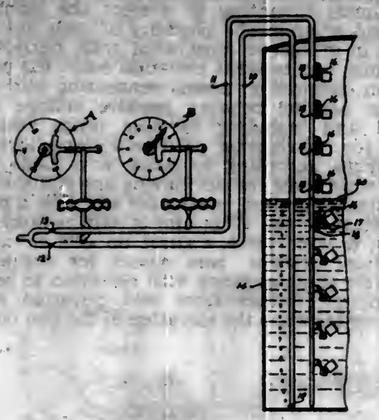


is 90° and minimum voltage therefrom when the elevation of the gun barrel is zero, means operatively related to the gun barrel and providing movement of said slider over said elevation wind force resistor in accordance with the movement of said barrel, a variable horizontal wind resistor having one end connected to said slider and the other end connected to ground, a horizontal wind slider designed to pick off a maximum voltage from said horizontal wind resistor when the horizontal gun bearing is 0° or 180° and zero voltage therefrom when the horizontal bearing of the gun is 90° or 270°, double-pole double-throw switch means having a common pole connecting to said horizontal wind slider, and connecting the horizontal wind coils in series to ground, and means operatively related to the gun barrel for actuating the horizontal wind slider and said switch means in accordance with the horizontal bearing of the gun with regard to wind direction.

2,559,436
APPARATUS FOR MEASURING LIQUID CONTENTS OF TANKS
Siegfried Gordon Isserstedt, Toronto, Ontario, Canada, assignor to Corex Limited, Toronto, Ontario, Canada, a company of Ontario
Application July 30, 1947, Serial No. 764,766
3 Claims. (Cl. 73—302)

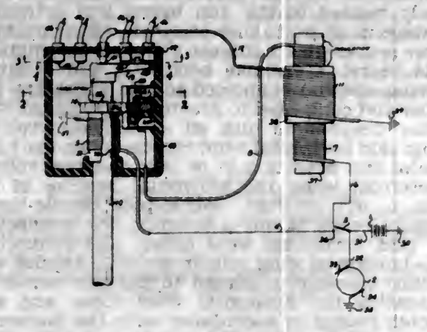
1. A device for measuring fluid depth with increased accuracy comprising, two gas lines, each operably connected to gas pressure measuring means, and to each of which compressed gas is suppliable through a restriction, said gas lines terminating at a fixed position in a fluid container, the first of said gas lines being free of openings over its entire length, and the second of said gas lines having a plurality of uniformly axially spaced openings, said openings being normally closed by fluid immersion operable valve means whereby, upon operation when said fluid container contains fluid, the pressure measuring

means connected to said first gas line will indicate large unit functions of the fluid depth, and



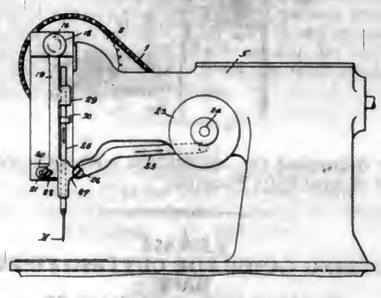
the pressure measuring means connected to said second gas line will indicate small unit functions of the fluid depth.

2,559,437
ELECTRICALLY OPERATED DISTRIBUTOR
Hal B. Jaynes, Lenoir, N. C.
Application November 3, 1947, Serial No. 783,694
3 Claims. (Cl. 200—19)



1. A circuit breaker comprising a housing, a driven shaft rotatably mounted in the housing, an electro-magnet insulated from and mounted on the shaft and being adapted to be connected to a source of electrical energy, a soft iron member fixedly mounted on the shaft and having a plurality of circumferentially spaced radially disposed soft iron arms extending therefrom, the said electro-magnet slidably and rotatably engaging the soft iron member, an oscillatable metallic member pivotally mounted on an axis parallel to the axis of said shaft adjacent the path of travel of the free ends of said arms on the soft iron member, said oscillatable member having an arcuate portion in the plane of the arms, the axis of the oscillatable member being disposed intermediate the ends of the arcuate portion, a radially disposed portion integral with the arcuate portion and a contact disposed adjacent each side of the radially disposed portion whereby, upon rotation of the shaft and its associated soft iron member with the radially disposed soft iron arms, the oscillatable member will be caused to oscillate to thereby alternately engage the contacts in timed relation to the speed of rotation of the driven shaft.

2,559,438
ZIG-ZAG SEWING MACHINE
John Jocsak, Easton, and Howard F. Fox, Bethlehem, Pa.
Application April 15, 1949, Serial No. 87,727
3 Claims. (Cl. 112—158)



1. In a sewing machine the combination with a supporting frame of a needle head having a needle at its lower end and having a pivotal connection intermediate its ends to the supporting frame, said needle head having lateral sliding movement on said connection, means mounted on said frame and connected to the upper end of the needle head for imparting swinging movement to the needle head about said pivotal connection, and means on the supporting frame separate from the first means for imparting lateral slidable movement to the needle head on said connection, whereby to give the needle head independent but simultaneously occurring movements in which, respectively, it is continuously oscillated backwardly and forwardly and reciprocated laterally during said oscillating movement to form zig-zag stitches while being oscillated.

2,559,439
PROCESS OF RECOVERING SULFONATES
Robert C. Jones, Berkeley, and Augustus W. Clark, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 27, 1949, Serial No. 118,193
10 Claims. (Cl. 260—504)

6. The process of recovering oil-soluble petroleum sulfonates from a mixture thereof with a liquid at least partially immiscible with water under the conditions of the process, said oil-soluble petroleum sulfonates having been formed by the neutralization of oil-soluble petroleum sulfonic acids with a water-soluble basic-acting material, which process comprises: intimately contacting at a temperature substantially above 212° F. but below 700° F. said mixture with liquid water to give a weight ratio of water to said mixture of at least about 0.5 under sufficient pressure to maintain the water in the liquid state, the upper limit of said weight ratio being such that the resulting oil-petroleum sulfonate-water emulsion in the aqueous phase after stratification is broken at a temperature of less than about 700° F., permitting the resulting admixture to stratify and separating an aqueous phase comprising said oil-soluble sulfonates.

2,559,440
ESTER-AMIDES OF AMINO-HYDROXY COMPOUNDS AND DERIVATIVES THEREOF
Wesley A. Jordan and Sydney H. Shapiro, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 12, 1944, Serial No. 544,628
8 Claims. (Cl. 260—404.5)

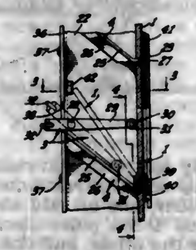
1. The reaction product of acrolein and an ester-amide of an amino hydroxy compound.

2,559,441
ROTARY DRUM REACTOR
Edwin G. Judd, Vancouver, Wash.
Application May 4, 1946, Serial No. 667,335
8 Claims. (Cl. 23—286)



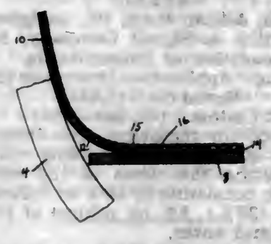
2. An apparatus for processing a fluid mixture including volatile liquid and solid components comprising an elongated horizontal drum, means connected to said drum for rotating the same about its longitudinal axis, a housing for said drum having an inner cylindrical wall portion spaced from the surface of said drum, a plurality of circumferentially spaced apart partition means extending longitudinally of said cylindrical wall portion and projecting radially inwardly toward said drum substantially to divide the space between said drum and said cylindrical wall portion into a plurality of chambers, heating means mounted within said housing adjacent said wall portion and on the opposite side thereof with respect to said drum for heating the cylindrical wall portion, applicator means in one of said chambers adapted to apply a layer of fluid mixture to the surface of said drum, conduit means connected to a second of said chambers for removing a volatile component of said fluid mixture, and contact means provided in a third chamber for removing the solid residue from the surface of said drum.

2,559,442
LOUVERED WINDOW
Joseph R. Klein, Los Angeles, Calif.
Application December 23, 1946, Serial No. 717,889
3 Claims. (Cl. 20—53)



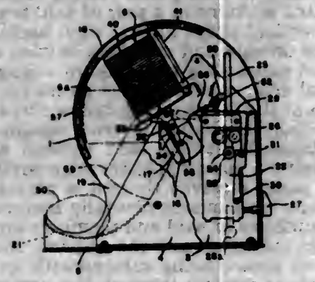
1. A window structure including a substantially rectangular frame provided with two laterally spaced vertical end members, a plurality of brackets supported as horizontally aligned pairs on the facing surfaces of said end members, each of said brackets having a horizontally disposed supporting portion, a plurality of substantially rectangular panes extending arcoss said frame with the lower edge of each of said panes near the ends of each of said panes resting freely on said supporting portions of a pair of said brackets, resilient vertical strips having rigid backing means mounted on said end members outside and adjacent said supporting portions for engagement by marginal end portions of the panes on the outer surfaces of the panes, elongated resilient elements substantially U-shaped in cross section horizontally disposed between said vertical strips and each having a marginal lower edge portion of one of said panes received therein, a plurality of independent lever means pivotally mounted on the facing surfaces of said end members and extending from inside toward the outside, the pivot of each lever means being substantially in the horizontal plane passing through the horizontal median of each pane, and the length of the lever means from the pivot to the inside surface of the pane being such that when the lever is substantially in a horizontal position the pane is urged against said resilient vertical strips, a depending flange on the outside edge of each of said horizontally disposed resilient elements for engagement by an upper marginal edge portion of the next lower pane when said next lower pane is urged against said vertical strips, and means secured to the inside of the frame and disposed inwardly of said panes to prevent inward removal of the panes from the frame.

2,559,443
ROOM STRUCTURE
Otto A. Kuhler, Blauvelt, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 24, 1947, Serial No. 724,023
3 Claims. (Cl. 105—422)



1. In a railway car having side posts, a floor extending between and supported by said posts, said floor having a raised intermediate portion formed of resilient material extending between the sides thereof, side walls secured to the inner face of said posts and having their lower edge portion spaced above and beyond the sides of said floor, cove members spaced in part from said floor extending longitudinally of said car and spanning the space between the lower edge portion of the walls and the side edge portions of said raised floor portion, said cove members having their inner faces lying flush with the adjacent surfaces of said side wall and raised floor portions, window openings in said side walls, a covering on said raised floor portion extending laterally beyond the side edges thereof and over said cove members, said covering continuing upwardly to said window openings and being secured to said walls, and a molding fastening strip securing the upper edge portion of said covering beneath said window openings.

2,559,444
EGG COOKER
Arthur A. Lecke, Detroit, Mich.
Application November 23, 1945, Serial No. 630,187
12 Claims. (Cl. 99—327)



1. A device in the form of a portable appliance for cooking eggs comprising, a substantially cylindrical open end receptacle for retaining an egg and being of a size slightly larger than the diameter and length of the egg, pivotal means for supporting the receptacle and about which the receptacle is invertible a counter weight for normally maintaining the receptacle in a position with its open end facing upward, said counter weight being of a weight less than the weight of the egg deposited within the receptacle whereby the receptacle is moved about its pivot by the weight of the egg, an arm extending from the receptacle, a latch for engagement with the arm for retaining the receptacle in substantially a horizontal position, and timing means for releasing the latch from the arm, whereby the weight of the egg inverts the receptacle for discharging the egg.

2,559,445
METHOD FOR REMOVING SCALE FROM STEEL
John A. Lotz, Allison Park, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
No Drawing. Application December 12, 1946, Serial No. 715,643
2 Claims. (Cl. 252—136)

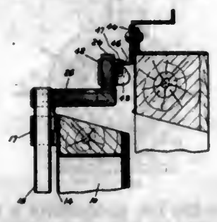
1. A method for removing scale from low silicon content steels without pitting which comprises subjecting the steels to the action of a pickling bath consisting of 10% by volume hydrochloric acid (36%), 5% by volume of phosphoric acid (85%), and water.

2,559,446
KNEE JOINT FOR ARTIFICIAL LIMBS
Fred C. Lucas and Roy P. Lucas, Los Angeles, Calif.
Application September 7, 1950, Serial No. 183,642
8 Claims. (Cl. 3—2)



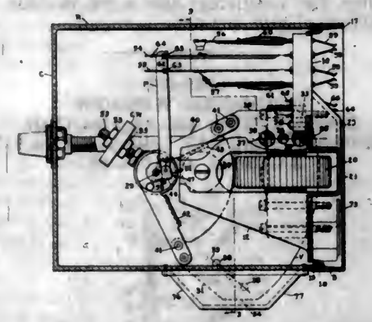
1. In a knee joint for artificial limbs, a knee cap member having a hollow semi-cylindrical portion, a socket member encompassing a part of said semi-cylindrical portion, a shaft supported at its ends by said socket member, roller bearings on said shaft attached to said knee cap member and affording an articulate joint between said knee cap and socket members, an overrunning clutch on said shaft, within said knee cap member, a drum embodied in said clutch, a friction brake encompassing said drum, a friction brake encompassing said shaft, and connections between said brakes and said knee cap member.

2,559,447
CRANK MEANS FOR LATERALLY MOVABLE DOORS
Thorvald Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application June 14, 1947, Serial No. 754,675
4 Claims. (Cl. 20—23)



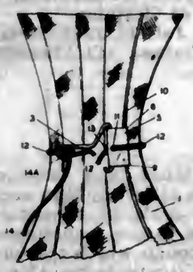
1. In a railway car having a side wall provided with a door opening, tracks secured to said wall above and below said door opening, a laterally movable door for closing said door opening, vertical bars rotatably mounted on said door, said bars extending above and below said door, horizontal arms having a vertical spindle and a hollow boss at opposite ends thereof, the ends of said bars extending into and being secured to said bosses, carriages mounted for movement along said tracks, said spindles being journalled in said carriages.

2,559,448
ALTERNATING CURRENT VANE RELAY
Wilho K. Maenpaa, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 24, 1947, Serial No. 750,339
2 Claims. (Cl. 175—338)



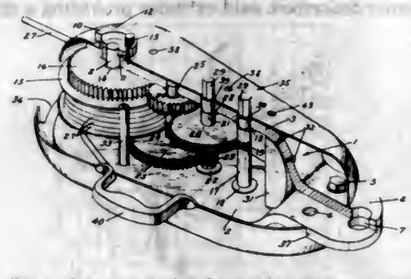
1. A vane relay comprising in combination, two elevationally disposed electromagnetic structures opposite each other, one of said electromagnetic structures having three poles elevationally disposed one above the other, and the other of said electromagnetic structures having two larger poles, one of the larger poles being disposed opposite a first pole and a portion of a second pole of the three pole electromagnetic structure, and the other of the larger poles being disposed opposite the third pole and a portion of the second pole of the three pole electromagnetic structure, a vane elevationally disposed to be rotated between said electromagnetic structures about a fixed pivot point, said vane being restored by gravity to a particular limit position upon the deenergization of but one of said electromagnetic structures subsequent to a time when both electromagnetic structures have been energized, said vane when in said particular position having a top edge which falls within a magnetic field extending through said one large pole and through said first pole, said top edge extending substantially parallel to but spaced about a horizontal center line extending across said first pole, and said vane when in said particular position having a plurality of openings formed therein along a center line within said magnetic field through said first pole, but spaced below and substantially parallel to said horizontal center line of said first pole to an extent comparable to the spacing of said upper edge above that horizontal center line, and said vane when in said particular position having an integral portion with no openings formed therein extending opposite the other two poles of said three pole electromagnetic structure, whereby the flux of either electromagnet alone has no effect upon movement of the vane at said second and third poles, but the flux at said first pole tends to maintain said vane in said particular position.

2,559,449
BAG TYING DEVICE
Jacob A. Mangold, Lebanon, Oreg.
Application March 8, 1946, Serial No. 653,020
1 Claim. (Cl. 24—30.5)



A bag tie comprising a hook-like element formed of one piece and including a straight portion having bends at each end, with one bend forming a terminus and the opposite bend extending over and substantially parallel with the straight portion and then bent outwardly and finally back upon itself to form a flat open hook that is substantially perpendicular to and centrally of said straight portion, a clip supporting said hook-like element and consisting of a single piece of sheet material bent centrally upon itself to provide two jaws and with the bend forming a bearing for the straight portion of the hook-like element, with the bends at the ends of said straight portion extending around the edges of the clip, inturned mating teeth on the free ends of said clip jaws for cooperatively securing said clip to a bag, coinciding apertures in said jaws adjacent the bend therebetween, and a cord anchored at one end through said apertures to retain said straight portion within said clip bend and extending from said clip to be tied around a bag and secured to said flat open hook.

2,559,450
PORTABLE HOIST
Urbin B. Mayer, Robbinsdale, Minn.
Application August 13, 1949, Serial No. 110,161
2 Claims. (Cl. 254—161)

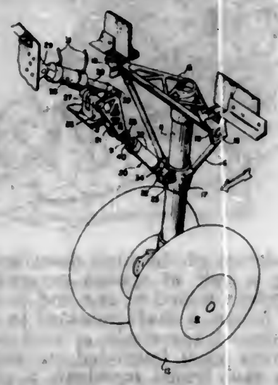


1. In a device of the kind described, a frame comprising a pair of spaced generally parallel frame members joined at one end to provide an anchoring flange, a shaft mounted in said frame and extending transversely of said members, a cable-carrying spool journaled on said shaft intermediate said frame members, a gear rigidly secured to said spool and concentric therewith, a gear tooth-equipped shaft journaled in said frame in spaced relation to said first mentioned shaft and having one end portion adapted to engage a driving means, frame-mounted speed reduction gears intermediate said frame members, means mounting said spool-carrying shaft for movements in one direction generally radially of one of said reduction gears to cause operative meshing engagement of the gear on said spool with said one of said reduction gears and in the opposite direction to disengage the same, whereby to permit free running movements of said spool independently of said reduction gears, and means for coupling a driving motor to said drive shaft, said means comprising a plate adapted to be rigidly secured to said motor, said plate having a central opening for the reception of one end of said drive shaft and the shaft of said motor, said plate further having a pair of laterally outwardly opening recesses, and a pair of fastening screws extending through said plate parallel to the axis of the central opening thereof, the heads of said screws being contained within said recesses, said screws being adapted to have threaded engagement with cooperating threaded holes in one of said frame members.

2,559,451
LANDING GEAR WITH DRAG STRUT DYNAMIC DAMPER
Jerome F. McBrearty, North Hollywood, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application September 12, 1947, Serial No. 773,549
2 Claims. (Cl. 244—103)

2. A retractable landing gear for an airplane including a wheel-carrying shock strut, means pivotally connecting said shock strut to said airplane for movement between an elevated retracted position and a depending extended position, a drag strut located ahead of said shock strut and including two links which are pivotally connected together so that they may be collapsed and extended and which in their extended position are operative to brace said shock strut against movement in fore and aft directions, one of said links being pivotally connected to a fixed part of the airplane and the other of said links being pivotally connected to said shock strut, means con-

nected to said first link for swinging it about its axis to extend and retract said shock strut, said second link including a cylinder and a piston and said cylinder and piston having extensions for pivotally connecting the link in said drag strut so that it may function therein in the manner described, said cylinder providing a chamber for a hydraulic fluid, a spring arranged between said cylinder and piston for yeldingly resisting movement of said shock strut in an aft direction, and means providing a restricted flow of said fluid from either side of said piston to the other to yieldingly resist movement of said shock strut in both of said directions.



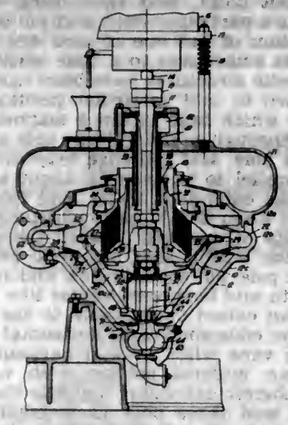
2,559,452
STEERABLE SLED
Marvin N. McLellan, Cleveland, Ohio
Application March 26, 1946, Serial No. 657,202
4 Claims. (Cl. 280—22)



2. In a sled, the combination of an articulated frame, a pair of tubular runners each formed of two sections arranged end to end, coaxial flexible means connecting each pair of said sections whereby to permit bodily displacements of the joined ends and assumption of angular relationships therebetween, said flexible means being welded to each section and means for securing articulated parts of the frame to corresponding sections of said runners respectively.

2,559,453
CENTRIFUGE CONSTRUCTION
John L. Merrill, San Francisco, and William Arms Botke, Berkeley, Calif., assignors to Merco Centrifugal Co., San Francisco, Calif., a corporation of California
Application June 7, 1947, Serial No. 753,301
7 Claims. (Cl. 233—21)

1. In a centrifuge, a vertically disposed rotor arranged for discharge of centrifugally separated underflow and overflow fractions, an impeller forming the lower part of the rotor and having a lower axial opening faced downwardly, a housing surrounding the rotor, means in conjunction with the housing for collecting discharging overflow and underflow fractions, said housing forming means serving to cause underflow material spilling into the housing from the rotor to collect in the lower part of the housing, means for delivering an upwardly directed stream of fluid material into the impeller and through said opening, and aspirating means for delivering said collected and spilled material into the impeller together with said stream of material, said aspirating means including means for conducting the collected spillage out of physical contact with the rotor and into aspirating relation with said stream.



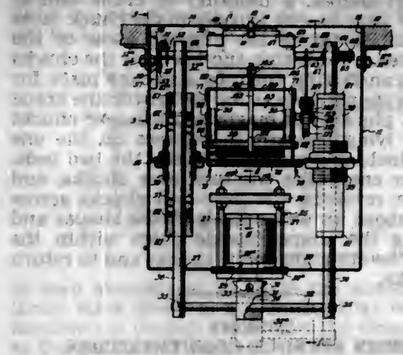
2,559,454
CAPACITOR TYPE TRANSLATING SYSTEM HAVING A VARYING REACTANCE
Joseph O. Mesa, Bayside, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 18, 1945, Serial No. 605,652
6 Claims. (Cl. 179—100.4)



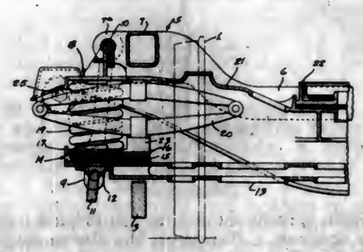
1. A capacitance type pick-up, including in combination, a relatively thin and narrow ribbon of conductive material constituting a movable capacitor plate, means including a pair of slotted end plates through which the ribbon extends at its ends and a top plate movably supporting said end plates, and means securing said end plates to said top plate in adjusted position for maintaining said ribbon under tension, a needle carrying shaft secured to said ribbon for moving it, and a pair of stationary capacitor plates located one at each side of said movable ribbon and secured to said top plate.

2,559,455
CODING DEVICE
Robert N. Meyer, Chicago, Ill.
Application March 13, 1947, Serial No. 734,399
9 Claims. (Cl. 101—44)

4. In a coding device, the combination of a housing having an upper wall for moving objects thereon, a reservoir for a flowable printing material in the upper part of said housing, a solenoid in the lower part of said housing, said solenoid having a vertically movable armature, a cross-bar loosely connected with the lower end of said armature, a pair of plunger rods carried by said cross-bar on opposite sides of the solenoid, a shaft carried by the plunger rods in the upper part of said housing, a printing head carried on said shaft, a printing slot in said upper wall, printing type on the head projectible through said slot upon upward movement of the armature, and a switch actuated by movement of the articles to energize the solenoid when an object is over said slot.



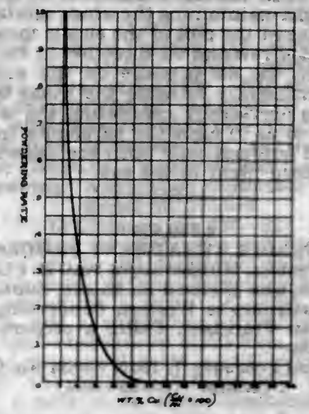
2,559,456
RAILWAY TRUCK
William H. Meyer, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application December 16, 1946, Serial No. 716,537
9 Claims. (Cl. 105—190)



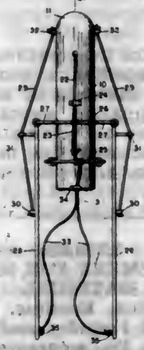
4. In a railway truck, wheel and axle assemblies, journal boxes on said assemblies positioned outwardly of the wheels, equalizers between journal boxes at the same side of the truck, a truck frame having wheel pieces supported from the equalizers and positioned outwardly of the wheels, pairs of swing hangers pivotally suspended from the outer sides of the wheel pieces, a spring plank supported from the hangers, a bolster-supporting spring unit at each end of the spring plank positioned between the corresponding swing hangers, each spring unit comprising leaf and coil springs with their respective seats spaced apart a substantial distance transversely of the truck and positioned at least as far from the longitudinal center line of the truck as the corresponding equalizer.

2,559,457
HYDRODESULFURIZATION OF PETROLEUM HYDROCARBONS
Charles W. Montgomery and William I. Gilbert, Oakmont, and Stanley M. Hazen, Indiana Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application May 2, 1949, Serial No. 90,864
5 Claims. (Cl. 196—28)

1. In the process for desulfurizing a petroleum hydrocarbon by contacting vapors thereof and hydrogen-containing gas with a contact comprising a member of the group consisting of nickel and nickel oxide on a carrier, absorbing sulfur from the vapors to form nickel sulfide, regenerating the contact to substantially its original form and again contacting the petroleum hydrocarbon vapors and hydrogen with the regenerated contact, the improvement for reducing powdering of said contact as a result of repeated regeneration which comprises incorporating copper in said contact in an amount of between 5 and 11 per cent by weight of the nickel whereby powdering is effectively reduced.



2,559,458
TOY PARACHUTE AND PROJECTOR THEREFOR
Eugene L. Orr, Orlando, Fla.
Application September 4, 1946, Serial No. 694,808
1 Claim. (Cl. 46—86)



A toy of the class described comprising a hollow casing having a closed end and an open end, a collapsed parachute in said casing, said casing having a spring anchored at one end thereof, a spring compressing disk axially movable in said casing and coupling the other end of said spring and said parachute, a flexible member connected to said disk to move the same and compress said spring, said flexible member extending exteriorly of said casing, a latch to lock said flexible member and disk in spring compressing position, a trip to hold said latch in locking position, spaced wings, means pivotally connecting said wings to the outer side of said casing, said wings being

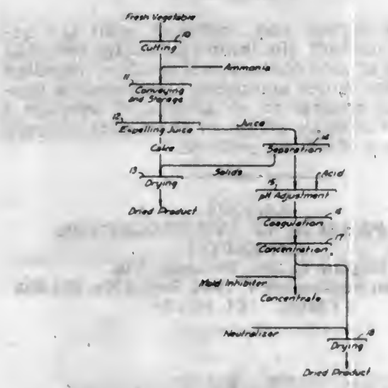
normally maintained in a collapsed position substantially parallel with the casing, elastic means connecting the wings intermediate their ends to the closed end of the casing and normally urging the wings to be moved about their pivots to their opened position, the pressure of the air against the wings when the toy is launched on its initial upward flight maintaining the wings substantially parallel against the pull of the elastic means and when the toy reverses its direction in its downward flight, the air pressure on the wings decreasing sufficiently to cause the wings to open, and means operatively connecting the wings to said latch so as to eject the parachute from the casing and automatically open the parachute in the downward flight of the toy.

2,559,459

VEGETABLE TREATMENT PROCESS

David D. Peebles, Hillsborough, Paul D. Clary, Jr., Petaluma, and Richard K. Meade, Santa Rosa, Calif., assignors to Western Condensing Company, San Francisco, Calif., a corporation of California

Application February 1, 1949, Serial No. 73,934
3 Claims. (Cl. 99—204)



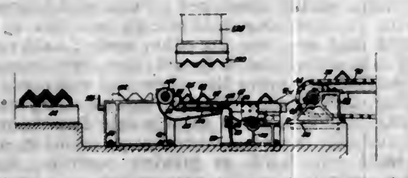
1. In a process for the treatment of fresh vegetable material, expelling a substantial amount of juice from the material by applying pressure to the same, coagulating vegetable protein contained in the juice by acidulating and heating the same, and then removing moisture from the coagulated protein and juice to form a marketable product.

2,559,460

PILING EQUIPMENT FOR STRUCTURAL MATERIAL

Edward T. Peterson, Reading, Pa., assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa., a corporation of Pennsylvania

Application August 10, 1945, Serial No. 610,121
10 Claims. (Cl. 214—1)



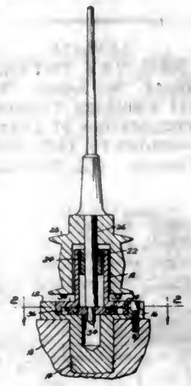
10. In a piling mechanism for structural shapes, two spaced beds, means on one bed for supporting shapes right side up, means on the other bed for supporting shapes upside down, and the one bed being adapted to receive a layer of parallel shapes, a plurality of crane chucks above the layer having grooves in the chuck faces approximately fitting the exposed faces of the shapes, means for lifting and lowering the chucks and for transferring them to a storage place for piling the shapes, means for energizing the crane chucks, a plurality of magnetic turn-over chucks normally lying beneath the shapes on the one bed and including a shaft between the two beds, means for energizing the turn-over chucks, and means for revolving the turn-over chucks across the bed about an axis outside of the shapes and depositing the shapes upside down within the reach of the crane magnetic chucks and to return the chucks.

2,559,461

BOBBIN SPINDLE CONSTRUCTION

John J. Pichette, Whitinsville, Mass.

Application April 10, 1950, Serial No. 155,089
5 Claims. (Cl. 242—130)



1. Bobbin spindle mounting comprising a frame, a sleeve thereon, a flange on the sleeve cooperating with the frame to form a chamber, a spindle bearing in the chamber, a spindle in the bearing, a second bearing in the sleeve receiving the spindle in spaced relation to the first named bearing, the latter being radially movable in the chamber, and means supporting and swiveling the second bearing in the sleeve.

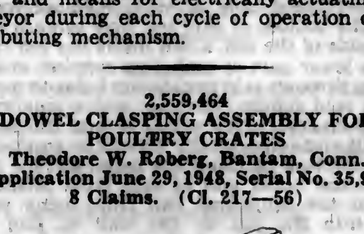
2,559,462

METHOD AND APPARATUS FOR SEPARATING OXIDIZABLE MATERIALS FROM LIQUIDS BY OXYGENATION AND AEROBIC BIOCHEMICAL ACTION

Malcolm Pirnie, Scarsdale, N. Y., assignor to Research Corporation, New York, N. Y., a corporation of New York

Application March 26, 1948, Serial No. 17,144
18 Claims. (Cl. 210—8)

1. In the flocculation by the action of aerobic micro-biological organisms on organic matter contained in a liquid mass, the method which comprises introducing a stream of the liquid mass into a biochemical retention tank in which the liquid mass passes upward through an active biological floc, supplying to the stream, as it flows to the tank, a quantity of oxygen limited to approximately the amount of oxygen that the stream will dissolve at substantially atmospheric pressure, withdrawing some of the liquid mass from a zone of the tank where the liquid mass has been subjected to the action of the aerobic micro-biological organisms by passage through at least a portion of the floc, feeding the liquid mass thus withdrawn into the stream flowing to the tank and upstream of the oxygen supply and



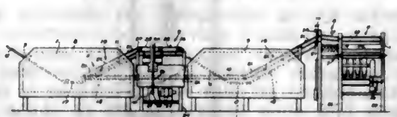
in such quantity as to dilute the stream of new liquid mass down to a quantity that makes the biochemical oxygen demand of the stream as low as the quantity of oxygen that will dissolve in the stream, and withdrawing clarified effluent from the top of the tank.

2,559,463

CONFECTION MAKING APPARATUS

Marlin B. Rasmusson, Sacramento, Calif., assignor to Vitafreze Equipment, Inc., Sacramento, Calif., a corporation of California

Application June 27, 1945, Serial No. 601,880
7 Claims. (Cl. 107—8)



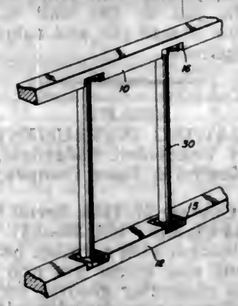
7. In an apparatus for treating frozen confections and the like, said confections being carried in groups on separate holders, a distributing mechanism to distribute a group of said confections, a device for transferring a group of said frozen confections from said holders to said distributing mechanism, a conveyor for advancing said holders to said transfer device, said conveyor being electrically actuated, means for actuating said distributing mechanism to operate in a cycle, and means for electrically actuating said conveyor during each cycle of operation of said distributing mechanism.

2,559,464

DOWEL CLASPING ASSEMBLY FOR POULTRY CRATES

Theodore W. Roberg, Bantam, Conn.

Application June 29, 1948, Serial No. 35,947
8 Claims. (Cl. 217—56)



1. In a crate which includes a top and bottom rail with bars between said rails, the improvement which comprises; sockets opening laterally of said rails, resilient means cooperating with said sockets and disposed therein detachably securing said bars to said rails, and said sockets being formed in the material of said rails.

2,559,465

SOLUBLE COPOLYMERS OF POLYMERIZABLE MONOMERS AND DRYING OIL ACIDS-UNSATURATED DICARBOXYLIC ACID-POLYHYDRIC ALCOHOL ESTERS AND PROCESS OF MAKING THEM

Frank B. Root, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application September 24, 1947, Serial No. 775,952
18 Claims. (Cl. 260—22)

1. A method of making a soluble reaction product which is essentially the copolymer of a liquid monomeric unsaturated polymerizable compound containing a single $>C=CH_2$ group per molecule, and a polyhydric alcohol mixed ester of an alpha-unsaturated alpha-beta dicarboxylic acid and drying oil acids, which comprises the steps of: (*a*) heating, at below 200° C., a mixture of 1 mole of an alpha-unsaturated alpha-beta dicarboxylic anhydride and 2 moles of a hydroxy-compound $D_{n-1}POH$, to form an esterifiable mixture of equal moles of $D_{n-1}POH$ and the unsaturated dicarboxylic acid half-ester thereof, wherein P is the residue of an esterifiable polyhydric alcohol $P(OH)_n$ after loss of hydroxyl groups therefrom, n is the number of hydroxyl groups in said polyhydric alcohol, and D is the acid radical of unpolymerized drying oil acids free from conjugated unsaturation; (*b*) adding a liquid monomeric unsaturated polymerizable compound in which the unsaturation is due to a single terminal ethylenic group $>C=CH_2$ and which is copolymerizable with said unsaturated dicarboxylic acid half-ester, and heating the mixture at below 200° C., to copolymerize said polymerizable compound with the unsaturated dicarboxylic acid half-ester, the proportion of monomeric compound in the mixture being from 5% to 90%; and then (c) heating the mixture at above 200° C., to form an ester between the $D_{n-1}POH$ compound and its copolymerized dicarboxylic acid half-ester.

2,559,466

ACID-MODIFIED COPOLYMERS OF DRYING OIL ACIDS, MALEIC-POLYHYDRIC ALCOHOL ESTERS, AND PROCESS OF MAKING SAME

Frank B. Root, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application September 17, 1948, Serial No. 49,864
22 Claims. (Cl. 260—22)

1. The process of making coating material, which comprises the steps of: (1) heating 2 moles of a monohydroxyl-containing ester of formula $D_{n-1}POH$, wherein D is the acid radical of an unpolymerized drying oil acid free from conjugated unsaturation, P is the hydroxyl-free radical of an esterifiable polyhydric alcohol $P(OH)_n$, and n is the number of hydroxyl groups in said polyhydric alcohol, with from 0.3 to 0.9 mole of maleic anhydride at from 140° C. to 200° C. to form a maleic acid half-ester in the presence of an excess of said hydroxy-ester, (2) adding a liquid monomeric unsaturated polymerizable compound in which the unsaturation is due to a single terminal ethylenic group $>C=CH_2$ and which is copolymerizable with said maleic

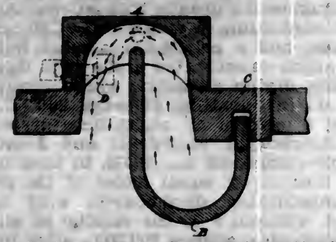
half-ester and heating the mixture at between 120° C. and below 200° C. to copolymerize same, the proportion of liquid monomeric compound in the mixture being from 5% to 90%, and (3) adding a carboxylic acid reactable only by esterification in amount equivalent to the difference between 1 mole of maleic anhydride and the amount thereof used in step 1, and heating the composition at from 200° to 300° C. to esterify same.

2,559,467

SUPPLEMENTARY RESERVOIR FOR FEEDING AUTOMATIC BOTTLE-MAKING MACHINES OPERATING BY SUCTION

Carlos Horácio Amaro Salgueiro dos Santos Gallo, Marinha Grande, Portugal

Application April 19, 1949, Serial No. 88,264
In Portugal October 29, 1948
2 Claims. (Cl. 49—56)



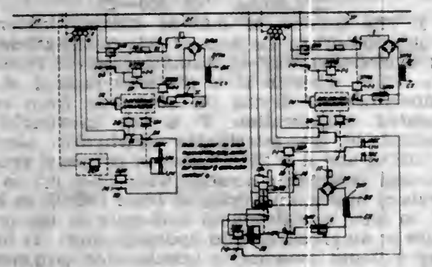
1. In a device for feeding automatic bottle-making machines operating by suction, a furnace, a supplementary reservoir extending externally from the front wall of said furnace and having a depth approximately equal to that of said furnace, a U-shaped floating partition of refractory material in said supplementary reservoir having one arm thereof extending beyond the other, said furnace having a cavity in a wall thereof, the shorter limb of said partition being lodged in said cavity in said furnace wall, the extended limb of said partition extending into the interior of said supplementary reservoir and forming therein a passage for the circulation of glass, a mass of glass contained in said reservoir receiving, by radiation of heat from a mass of glass contained in the furnace, the temperature requisite for maintaining the fluidity of the glass required for feeding the suction device.

2,559,468

CODE TRANSMITTING APPARATUS IN TRACK CIRCUIT SIGNALING SYSTEMS

Marcian A. Scheg, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application August 31, 1944, Serial No. 552,108
4 Claims. (Cl. 246—38)



1. In a coded track circuit signalling system for a section of railway track, a code transmitter comprising, a source of alternating current, a rectifier unit, an inductive reactor unit including windings, circuit means connecting said alternating current source across the rails of said section through a portion of said reactor windings and rectifier units in series, and a coding contact intermittently acting to shunt said reactor windings to thereby permit the intermittent application of direct current code pulses to said section of track.

2,559,469

METAL SCAFFOLD CONNECTION LOCK

Howard R. Scheidemantle, Harmony, Pa., assignor to Universal Manufacturing Corporation, Zelienople, Pa., a corporation of Pennsylvania

Application February 25, 1949, Serial No. 78,404
6 Claims. (Cl. 304—40)



1. A scaffold connection comprising a vertical tubular member provided in its side wall with a hole, a scaffold member, a vertical hollow pin extending from said scaffold member into said tubular member, the outside diameter of the pin being slightly less than the inside diameter of said tubular member, the side wall of the pin being provided with a hole registering with said first-mentioned hole, a cross member inclined from the bottom of said pin hole upward across the inside of the pin, a ball inside the pin resting on the lower part of said cross member and projecting through said registering holes to lock the pin in said tubular member, and a smaller ball resting on the cross member behind the projecting ball and substantially filling the gap between the projecting ball and the inner surface of the pin at the upper end of said cross member to prevent the projecting ball from being pushed back into the pin by the wall of said first-mentioned hole if said pin and tubular member attempt to separate.

2,559,470

DRAWING INSTRUMENT

Walter Harry Schneider, Ridgefield, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J.

Application October 27, 1944, Serial No. 560,617
10 Claims. (Cl. 33—23)

1. In combination with a scriber having a writing instrument and tracer pin and a template provided with character grooves for the tracer pin of the scriber, a straight edge adapted to determine the position of the lower edge of the template comprising base line means and an edge spaced therefrom a distance equal to the distance between the writing instrument when the tracer



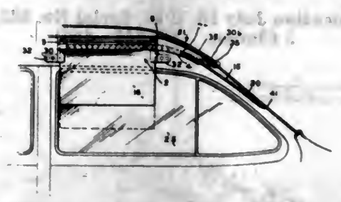
pin of the scriber is at the bottom of a character groove and the bottom edge of the template, the lower edge of said template being in abutting relation with the said edge of the straight edge.

2,559,471

SLIDING AUTOMOBILE SHADE

Jacob N. Schrock, Phoenix, Ariz.

Application July 6, 1950, Serial No. 172,350
4 Claims. (Cl. 296—97)



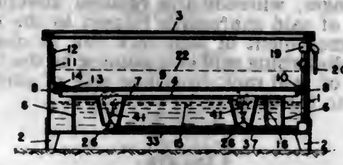
1. A sunshade for installation in the interior of an automobile body having a solid top, a windshield frame, and a side door frame, composed of a pair of longitudinal frame members arranged in parallel spaced relation having downward bends at their forward ends and shade guide grooves in their adjacent faces, a pair of transversely extending parallel frame members superposed over said longitudinal members, and attached thereto, having portions at their ends curved downward and provided with shade guide grooves on adjacent faces, shades of semi-hard flexible material having their edges slidably retained in the opposite guide grooves of each of said pairs of frame members, and flexible attaching tabs attached to the ends of said frame members adapted for attachment to said windshield frame and door frame respectively.

2,559,472

PNEUMATIC ACTUATING MEANS FOR METAL PARTS WASHERS

Charles B. Shanaman, Clarksburg, W. Va.

Application October 30, 1947, Serial No. 782,983
4 Claims. (Cl. 134—94)



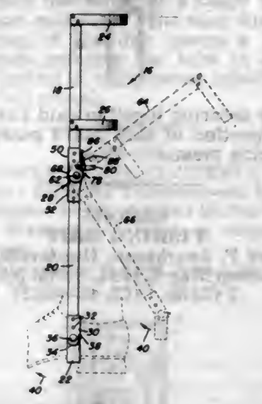
1. A cleaning device for cleaning substantially small parts, comprising a tank for containing a cleaning liquid, an open-work substantially horizontal shelf for the support of the parts to be cleaned, a closed-top chamber within the tank and below the shelf and having its lower portion in connection with the interior of the tank below the shelf, means for introducing fluid pressure into the upper portion of the chamber and above the level of cleaning liquid therein for lowering said level and forcing liquid upwardly through the open-work shelf to a level thereabove and for permitting the escape of fluid pressure from the chamber to lower the level of the liquid below that of the shelf, and fluid pressure jets disposed to direct fluid pressure into liquid above the shelf and produce turbulence therein.

2,559,473

LEG BRACE

Wallace L. Slodek, Sr., Nashville, Tenn.

Application January 27, 1949, Serial No. 73,135
1 Claim. (Cl. 128—80)



In a leg brace, the combination of upper and lower straps, upper and lower joint members each having a substantially U-shaped socket, end portions of said straps being secured in the respective sockets, a pivot pin connecting said members together, a cam secured on said pin in the socket of the lower joint member and provided in its upper edge portion with a concave depression constituting a seat, a pawl pivotally mounted in the socket of the upper member, a convex detent provided on said pawl and engaging said seat, an apertured guide secured to said upper member above said pawl, a stem pivoted at one end thereof to said pawl and slidable in the aperture of said guide and, a compression spring provided on said stem and bearing against said pawl and said guide whereby said detent is urged in said seat to lock said members and straps in a predetermined relative position, an end portion of said pawl projecting outwardly from the associated socket and constituting a finger-piece whereby said pawl may be actuated against the resiliency of said spring to disengage said detent from said seat.

2,559,474

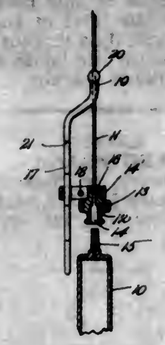
HYPODERMIC AND SPINAL SYRINGE

Anthony J. Son, Boston, Mass., assignor to Sonco, Inc., Mattapan, Mass., a corporation of Massachusetts

Application March 9, 1950, Serial No. 148,552
3 Claims. (Cl. 128—215)

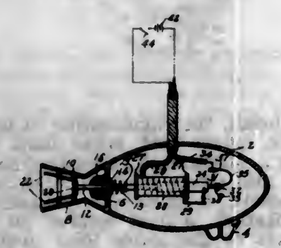
1. A hypodermic syringe comprising in combination, a syringe body, an injection needle, a hub fixedly secured to said needle, means for detachably securing said hub to said syringe body, a needle guard, said guard consisting of a rod member, the lower portion of which is parallel with the axis of said needle and spaced away therefrom, and the upper portion of which is co-

axial with said needle and provided with a bore for receiving the same, and clamping means for



detachably securing together said guard and hub, the lower portion of said guard passing through said clamping means.

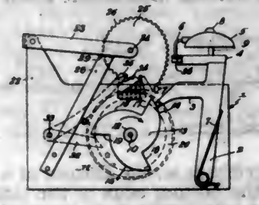
2,559,475
FISHING BAIT
Ward F. Sparkman, Huntsville, Ala.
Application May 6, 1946, Serial No. 667,516
1 Claim. (Cl. 43—26.2)



A fishing bait comprising a hollow shell, a tail integral with said shell at the rear end thereof and formed to a rearwardly and outwardly flared frusto-conical shape, said tail having a plurality of vertical slots disposed on each side thereof and spaced longitudinaly of the tail, an electro-magnet mounted in and extended longitudinally of said shell, an armature reciprocable within the electro-magnet and movable in one direction on energizing of the electro-magnet, a spring for return movement of the armature on de-energizing of the electro-magnet, a shaft rigid with the armature and projecting into said tail, an impeller rigid with the shaft and disposed entirely within said tail in one extreme position of the shaft, said impeller being of approximate U-shape and having open sides and rearwardly diverging top and bottom walls, and means for intermittently making and breaking a circuit to the electro-magnet, to reciprocate the shaft and cause the impeller to move into and out of the flared tail, said slots comprising openings through which water enters and leaves the flared tail responsive to movement of the impeller out of and into the flared tail.

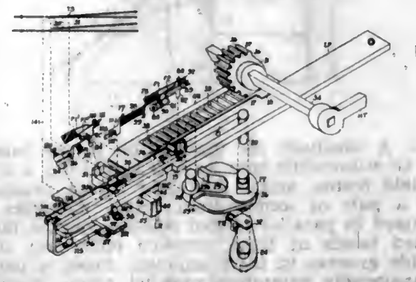
2,559,476
CLOCK STRIKING MECHANISM
Allen W. Spurr, Watertown, Mass.
Application May 25, 1949, Serial No. 95,272
4 Claims. (Cl. 58—9)

1. In a clock for striking at fixed intervals, in combination, an eccentric cam, a count fan secured to said cam, a shaft for said cam, means



for turning said cam to raise said shaft, and means for retaining said shaft in raised position.

2,559,477
SWITCH MACHINE FOR RAILROADS
James E. Stephenson, Gates, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 16, 1946, Serial No. 683,884
3 Claims. (Cl. 246—406)

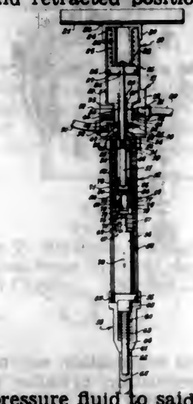


1. In a hand-operated switch machine for positioning a track switch, a casing, a lock plunger for locking said track switch extending longitudinally through the center of said casing having a slot extending longitudinally, a throw shaft extending through said slot and journalled at the top and bottom of said casing, an escapement crank rotatably secured to said shaft, a toothed rack slidable longitudinally in said casing when disposed at either side of said lock plunger, said rack having a roller at an intermediate point receivable within the jaw of said escapement crank so as to rotate said shaft in response to the longitudinal movement of said rack, and said rack being removably coupled to said lock plunger when disposed on either side of said lock plunger, and means for reciprocating said rack when it is disposed at either side of said lock plunger, whereby the relative direction of rotation of said shaft with respect to the longitudinal movement of said rack can be changed without disturbing said lock plunger by the transposition of said rack from one side of said lock plunger to the other.

2,559,478
HYDRAULIC IMPACT TOOL
Albert L. Stone, Palos Verdes Estates, Calif., assignor to Stonefield, Incorporated, Redondo Beach, Calif., a corporation of California
Application November 22, 1948, Serial No. 61,341
9 Claims. (Cl. 121—30)

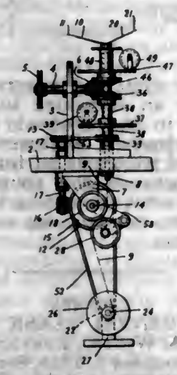
1. A tool of the character described, comprising a tool body, a hammer carried by said body for reciprocal movement in advancing and retracting directions, an actuating element carried by said

body for reciprocal movement in said directions, means for hydraulically moving said element in retracting direction, a first yielding means urging said hammer in said advancing direction, a second yielding means urging said actuating element in said advancing direction, valve means operable to admit pressure fluid into engagement with said actuating element upon advancement of said element to a predetermined advanced position and until said element is moved by said fluid to a predetermined retracted position, said valve means being operable upon such movement of the element to said retracted position to close off the



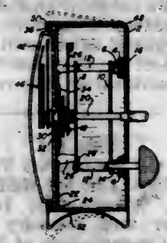
supply of pressure fluid to said element and permit discharge of accumulated fluid to permit advancement of said element under the influence of said second yielding means, means operable to interconnect said hammer and element so that the defined fluid pressure actuated retraction of said element effects a corresponding retraction of said hammer against the tendency of said first yielding means, and means operable to release said interconnection after retraction of said element to a position near said retracted position to thereby permit advancing movement of said hammer under the influence of said first yielding means.

2,559,479
MACHINE FOR MAKING BEADED STRANDS
Maxwell H. Stone, Brooklyn, N. Y., assignor to Eltinger Bead Co., Inc., New York, N. Y., a corporation
Application January 25, 1949, Serial No. 72,689
4 Claims. (Cl. 57—3)



1. In a machine for making a beaded-novelty from supplies of beads loosely strung on a bead-thread, in combination, a stationary tube, frictional-drag rollers disposed below the lower end of said tube, a disc mounted for rotation above the upper end of said tube, said disc having a central opening aligned with said tube and an annular ridge upstanding on its top surface, said annular ridge having an open sector at one point in its circle, the bead-thread of said bead supplies being inclined at a sufficient steep angle to the said disc to cause the beads to gravitate thereto, the beads being normally blocked from entry into said central opening of the disc and the inner tube by said annular ridge of the disc, means for feeding at least one spacing-thread at the top of said inner tube, and means for turning said drag-rollers, said spacing-thread means and said disc whereby a single bead is released to enter said inner tube each time the said sector opening of the disc passes a bead supply, said beads entering the tube at spaced intervals and locked in said spaced relation by said spacing-thread means.

2,559,480
INSTRUMENT CASE CONSTRUCTION
(Ralph Vidar) Ingemar Taegtstroem, Waterbury, Conn., assignor to The United States Time Corporation, Waterbury, Conn., a corporation of Connecticut
Application October 5, 1946, Serial No. 701,616
10 Claims. (Cl. 58—53)



1. A two part instrument case wherein one of said parts has indentations in the normally flat outer surface thereof, openings in said indentations constructed and arranged to receive instrument supporting means, and means holding the two parts of the case assembled, said latter means also lying over the indentations in such manner as to completely cover said supporting means.

2,559,481
BAKER'S GREASE
Robert S. Truesdell, Los Angeles, Calif., assignor to Don Parsons and Wayne Hanson, both of Los Angeles, Calif.
No Drawing. Application January 18, 1949, Serial No. 71,545
2 Claims. (Cl. 99—118)

1. The method of producing a baker's grease consisting in heating a potable oil to a temperature of at least 150° F., adding lecithin to the heated oil, then adding melted beeswax to the heated oil and lecithin mixture under agitation and homogenizing the mixture.

2,559,482
FOLDING TOP CONSTRUCTION
John W. Votypka, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application July 11, 1949, Serial No. 104,089
8 Claims. (Cl. 296—116)

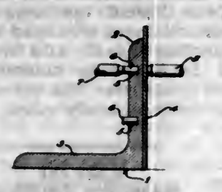
1. In a folding top construction for a vehicle a side rail assembly comprising a front bar, an

intermediate bar and a rear bar; each of said bars being of unitary one-piece construction; said rear bar having a main rail-forming portion intermediate its ends, an offset arm at its rear end for pivot connection to a fixed point on the vehicle, and an offset arm at its forward end, a first pivot connection intermediate the ends of the last named arm for connection to said intermediate bar, and a second pivot connection at the free end of the last named arm for connection to an actuating link; said intermediate bar having a main rail-forming portion,



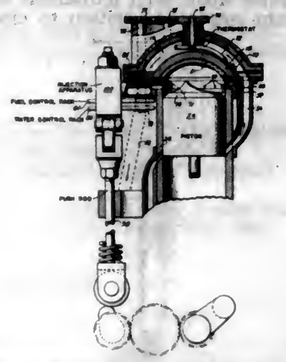
a pivot connection spaced forwardly from the rear end of said rail-forming portion for connection to said first pivot connection, an offset arm at the rear of said intermediate bar for connection to a guide link, and an offset pivot connection at its forward end for connection to said front bar; said front bar comprising a main rail-forming portion having an offset pivot connection at its rear end for connection to the pivot connection at the forward end of said intermediate bar, the main rail-forming portions of all of said bars arranged to come into end abutment upon extension of said top to form a substantially smooth continuous side rail.

2,559,483
METHOD OF WELDING TOGETHER METALLIC MEMBERS
Robert Walsh, Wilmington, Del., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 24, 1948, Serial No. 40,538
7 Claims. (Cl. 219—10)



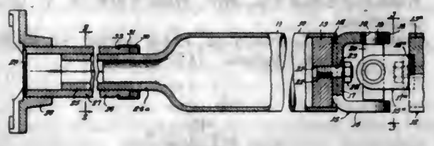
1. The method of preparing and spot welding together two metallic members of which at least one member is of a thickness requiring the passage therethrough of more than minimum electric current required to form a nugget at the adjacent surfaces of the members to be welded, reducing the thickness of said member by forming a depression therein such that the zone to be welded to the other member is of a thickness requiring the passage therethrough of minimum electric current to form the weld, inserting metal having a lower electrical resistance than said members into the depression, holding the members together with the depression in the one member opening away from the other member, and passing current through the members by electrodes applied to the inserted metal in the one member and to the other member, the minimum current requirement resulting from the depression and the lower resistance metal in said depression generating a minimum heat of the metal in the zone adjacent the nugget thereby holding distortion to a minimum.

2,559,484
INTERNAL-COMBUSTION ENGINE WITH COMPOUND HEAD
Edward M. Waring, Bristol, Pa., assignor of one-third to E. H. Walbridge, Libertyville, Ill., one-third to W. L. Hart, Paterson, N. J., and one-third to C. B. Blair, Poultney, Vt.
Continuation of application Serial No. 351,617, August 6, 1940. This application November 26, 1943, Serial No. 511,790
6 Claims. (Cl. 60—15)



6. In an internal combustion engine; the combination of a combustion cylinder and an imperforate head therefor; an internal shield for said head adapted to hinder heat conduction through said head for providing high temperatures within said cylinder to promote fuel ignition and increase of power; means to subject exhaust gases from said cylinder to heat radiated from said head; and means to utilize energy of said reheated gases.

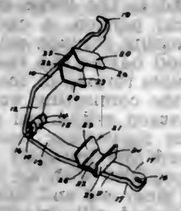
2,559,485
PROPELLER SHAFT AND UNIVERSAL JOINT ASSEMBLY
Archibald A. Warner, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 1, 1944, Serial No. 533,586
10 Claims. (Cl. 64—17)



1. A propeller shaft and universal joint assembly comprising an elongated tubular shaft; a block anchored in an end of said shaft and having spaced confronting abutments on its outer face; a universal joint yoke having a portion that is positioned between the abutments on said block with its arms projecting laterally therefrom; and means for securing said yoke in the aforesaid position.

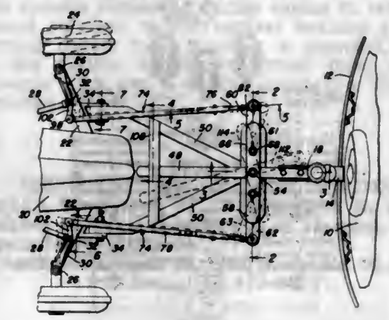
2,559,486
DENTAL FLASK
Thomas A. Webber, Hyattsville, Md.
Application December 1, 1950, Serial No. 198,582
6 Claims. (Cl. 18—33)

1. A dental flask comprising a pair of companion channel members which are generally U-shaped in transverse cross section and have their opposite ends open, the channel members being shiftable toward and from each other, the channel members having sides which are brought into close opposed relation when the channel



members are shifted together so that the channel members form an open ended substantially tubular mold, and means connected with the channel members for releasably holding them together with their sides in close opposed relation.

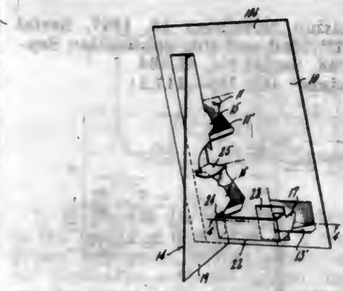
2,559,487
TOW BAR
Verlin T. Whitlow, Poplar Bluff, Mo.
Application June 21, 1948, Serial No. 34,225
8 Claims. (Cl. 280—33.55)



1. A tow bar for towing and steering farm tractors comprising a tow bar having a frame engageable with the frame of a tractor to be towed, a drawbar pivoted to said tow bar frame and connectable to a towing vehicle, a base plate rigidly secured to said tow bar, a pair of steering levers pivoted intermediate their ends to said base plate on opposite sides of the drawbar, a top plate rigidly connected to said drawbar, one end of said steering levers being connected to opposite ends of said top plate, and connecting links terminally secured to said steering levers and attachable to the steering linkage of a tractor's front wheels.

2,559,488
SELF-SUPPORTING ADVERTISING OR DISPLAY DEVICE
Frederick W. Wolf, Brooklyn, N. Y.
Application March 18, 1949, Serial No. 82,041
8 Claims. (Cl. 211—72)

8. A self-supporting advertising or display card device comprising a display card having laterally spaced struck portions adapted to be lifted out of their openings to positions beyond the front of the card, a support having integral vertically extending and horizontally extending attaching portions, projecting portions struck from the horizontally extending portions and lying respectively behind the struck portions and adapted to lift the same from their openings, a downwardly swingable portion connected with the projecting portions and adapted when swung downwardly to cause the projecting portions to lift the struck portions of the card from their openings, means for retaining the



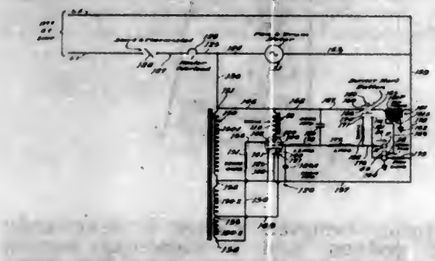
downwardly swingable portion in downwardly swung position, and a supporting portion swingable about the side of the attaching portion to a supporting position to support the display card from a horizontal surface.

2,559,489
COLLAPSIBLE ADVERTISING DEVICE
Frederick W. Wolf, Brooklyn, N. Y.
Application July 1, 1949, Serial No. 102,477
3 Claims. (Cl. 40—126)



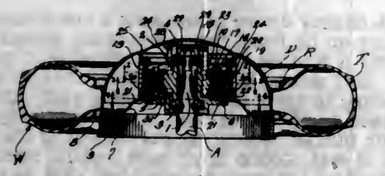
1. A display device comprising a board adapted to carry on its front face advertising matter and forming a first layer, an easel forming a second layer, said second layer and said first layer being connected to each other and facing each other in collapsed condition of said layers, said easel including hinged locking means cut out of the material of said second layer, said locking means in one position thereof maintaining said easel in place to support said board in erected condition, said first layer being provided with a cut-out portion integral with said first layer and including an axis, said cut-out portion forming at least part of said advertising matter to be prominently displayed, and means extending from said locking means therebeyond and abutting against said cut-out portion to project the same about said axis and beyond the front face of said first layer in erected condition of the latter and with said locking means in said one position said cut-out portion being resiliently and automatically retracted substantially into the plane of said first layer upon disengagement of said extending means from said cut-out portion.

2,559,490
FUEL BURNER CONTROL SYSTEM
Robert E. Yates, Joseph M. Engel, and William W. Ricsche, Chicago, Ill., assignors to Drying Systems, Inc., Chicago, Ill., a corporation of Illinois
Original application November 12, 1947, Serial No. 785,488. Divided and this application September 16, 1948, Serial No. 49,484
7 Claims. (Cl. 158—117.1)



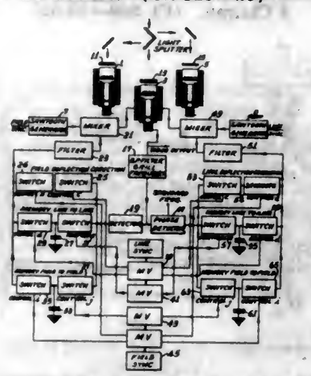
6. In a burner safety control system, a gas filled electron tube having an anode, a cathode, a shield grid and a control grid, an electrically operable control device having one terminal connected to said anode, an alternating current power source having a grounded lead connected to said cathode and a hot lead connected to the other terminal of said device, means operatively associated with said power source and connected to said shield grid to apply a blocking negative bias to said shield grid in the forward cycles of the alternating current during which said anode is positive, a small capacity condenser and a high value resistor connected in series between said hot lead and said control grid, a burner electrically connected to ground and to which gaseous fuel may be supplied, a flame sensing element disposed in an insulated relation and in the path of a flame issuing from said burner, and means including a relatively high valve resistor connecting said sensing element to the juncture of said first mentioned resistor and condenser.

2,559,491
NONVIBRATING HUB FOR WHEELS
Herbert J. Young, Wichita, Kans.
Application April 4, 1947, Serial No. 739,277
2 Claims. (Cl. 152—43)



1. A non-vibrating hub structure for the wheels of a motor vehicle and the like, including a spindle, a brake drum, and a tire supporting rim, comprising an inner sleeve having its ends interiorly shouldered for seating on antifriction bearings carried at the inner and outer ends of said spindle, a relatively heavy enlarged annular portion formed intermediate the ends of said sleeve, an annular flange formed at the inner end of said sleeve in spaced relation with respect to said enlarged annular portion, an outer sleeve having an enlarged cylindrical inner end portion spacedly encircling said inner sleeve and the enlarged annular portion thereof, a band of a resilient material snugly interposed between the periphery of said enlarged annular portion and the inner periphery of said enlarged cylindrical portion, a circular plate interposed between said enlarged annular portion and said flange and secured within and to the inner end of said enlarged cylindrical portion, a circular series of coupling pins passing through said enlarged annular portion and having the ends of the same engaged in recesses formed in the inner faces of said plate and the connecting wall at the outer end of said enlarged cylindrical portion, a concavo-convex rim supporting member having a centrally disposed and inwardly directed cylindrical portion provided with an inturned annular flange at its inner end and bolted to the outer wall of said enlarged cylindrical portion, and a concavo-convex cap removably engaged in the cylindrical portion of said rim supporting member.

2,559,492
SCANNING CONTROL SYSTEM
Alda V. Bedford, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1948, Serial No. 12,091
14 Claims. (Cl. 315—29)



1. A system of the type employing an exploring point and having a deflection system arranged to cause said exploring point to repeatedly scan a target in a predetermined scanning raster and a position correcting system to employ with said deflection system, an electrical memory system for controlling the position of said exploring point at the beginning of traverse comprising in combination a capacitive element, a controllable electrical switch arranged to sequentially connect said capacitive element to said deflection system and said position correcting system, and a control circuit for said electrical switch to close said electrical switch only at the beginning of each traverse of said exploring point.

2,559,493
DIAL STRUCTURE FOR WEIGHING APPARATUS
John Bird, West Bromwich, England, assignor to George Salter and Company Limited, West Bromwich, England, a company of Great Britain
Application October 29, 1946, Serial No. 706,313
In Great Britain February 25, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 25, 1964
3 Claims. (Cl. 116—129)

1. A weighing apparatus for weighing material in a container and comprising a casing, a

fixed dial therein having gross weight indications thereon, a rotatable dial in the casing having net weight indications thereon, said two dials being arranged concentrically one within the other, a movable indicating pointer mounted to turn about the same axis of rotation as the rotatable dial and being located wholly in front of and being movable over the inner dial in



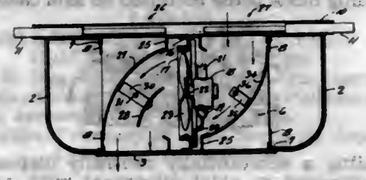
readable relation to the weight indications on both dials, a fixed central bearing part in the casing for supporting the movable dial, a rotatable spindle supported by the casing in radially-spaced relation to the central bearing part, a turning device fixed thereon, a sprocket wheel on the spindle, a sprocket wheel fixed to the movable dial, and a chain connecting the two sprocket wheels.

2,559,494
PIEZOELECTRIC CRYSTAL HOLDER
Herbert W. Brown, Jr., Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 29, 1949, Serial No. 90,323
5 Claims. (Cl. 171—327)



1. A piezoelectric crystal unit comprising a piezoelectric crystal having oppositely located electrode faces and a pair of electrode leads extending outwardly from said faces in opposite directions substantially normal to said faces, a relatively rigid yoke-like structure within which said electrode leads are secured, and a plurality of coil springs upon which said yoke-like structure is suspended, said springs having substantially parallel axes extending in a direction substantially normal to said electrode leads and substantially parallel to said electrode faces.

2,559,495
PORTABLE AIR CONTROLLER
Robert Walter Calkins, Racine, Wis.
Application December 8, 1947, Serial No. 790,873
5 Claims. (Cl. 98—94)



1. A portable air controller adapted to fit within the frame of a window of a room which comprises, a housing having a base and top and an air discharge and air intake opening provided on the front side of the controller exposed to the outside of the room and another air intake and air discharge opening on the rear side exposed to the inside of the room in which the controller is located, upright members extending vertically within the housing on each respective side of the air discharge and air intake openings, a fan secured within the controller centrally of said discharge and intake openings for circulating air through the controller and with the face of the fan perpendicularly disposed with respect to the room opening, a vertically extending curved, louvre member vertically pivoted within said housing on one side of said fan and extending between a front and rear opening, and a second vertically extending curved louvre member pivoted within said housing on the other side of said fan and extending between a front and rear opening, and means for rotating said louvre members to predetermined positions in engagement with said uprights closing off either a front or rear opening in the housing selectively to discharge air from the room, to take fresh air into the room and to circulate air within the room.

2,559,496
SULFURIC ACID REGENERATION
Ernest A. Epps, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 10, 1947, Serial No. 721,463
1 Claim. (Cl. 210—42.5)

Improved process for removing carbonaceous materials from spent sulfuric acid containing the same secured in the manufacture of alcohols from unsaturated hydrocarbons, which comprises separating the spent 35% to 50% sulfuric acid from the alcohol and mixing the spent acid with about one to twenty-five volume percent of a hydrocarbon oil characterized by being nonreactive to the spent acid, and adding to said mixture about 0.1 to 2.0% of a sulfonated hydrocarbon oil, allowing the mixture to settle, and separating an acid layer substantially free from carbonaceous material.

2,559,497
LIGHTER CONSTRUCTION
Charles A. Fortin, Montreal, Quebec, Canada, assignor to Paul Pouliot, Cote des Neiges, Montreal, Quebec, Canada
Application November 30, 1949, Serial No. 130,234
6 Claims. (Cl. 67—7.1)

5. In a lighter, the combination of a casing constituting a fuel reservoir, an actuating lever mounted on said reservoir, a snuffer cap pivotally

connected to said actuating lever adapted to rise on depression of said lever, a lever guiding member having one end pivotally connected to said actuating lever with the other end pivotally mounted on a spring retaining block, said spring retaining block being mounted on said casing and



including a substantially centrally disposed recess disposed in axial alignment with and beneath said actuating lever, a coil spring mounted in said recess, a lever means between said lever guiding member and spring retaining block adapted to compress said spring within said block on depression of said lever.

2,559,498

PROCESS FOR PREPARING RESINS FROM DIISOBUTYLENE AND CRACKED PETROLEUM CONDENSATE

John D. Garber, Cranford, William J. Sparks, Westfield, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 9, 1946, Serial No. 653,424
3 Claims. (Cl. 260—82)

1. In a polymerization process for producing a solid resin suitable for use in coating compositions which comprises using an olefin containing fraction obtained from a compression condensate produced from crude petroleum cracked at approximately 1300° F. for the production of gasoline boiling range hydrocarbons, including the steps of compressing gaseous material from the cracking step, cooling the compressed material to room temperature, separating from the compressed gases a liquid condensate having a specific gravity of not more than 0.860, an initial boiling point at atmospheric pressure of approximately 40° C. and a final boiling point of approximately 180° C., and a bromine number within the range of approximately 1,000 to 1,100 mgs. per cc., the steps of fractionally distilling the said compression condensate into cuts, segregating the olefin-containing cut boiling between 20° C. to 50° C. and the olefin-containing cut boiling between 125° C. to 185° C. at atmospheric pressure, both of said cuts being substantially free of aromatic materials, admixing about 40% to 95% of olefin-containing material selected from the group consisting of the two said aromatic-free cuts and mixtures thereof, with about from 60% to 5% of diisobutylene, and copolymerizing said mixture of olefins at a temperature within the range between about +10° C. to about —30° C. in the presence of a dissolved Friedel-Crafts catalyst, whereby there is obtained a light-colored, relatively gel-free copolymer resin.

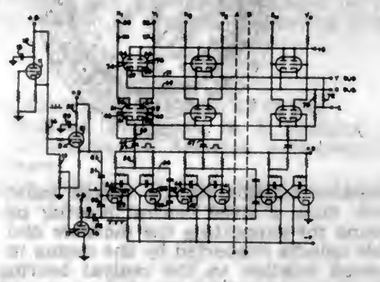
2,559,499

ELECTRONIC SWITCH CIRCUIT

Frank N. Gillette and Richard W. Lee, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York

Application October 21, 1949, Serial No. 122,776
6 Claims. (Cl. 250—27)

1. An electronic switch circuit for sequentially connecting a plurality of separate input circuits to a single output circuit comprising, an oscillation generator generating a train of pulse signals having a selected repetition frequency, a timer circuit including a plurality of multivibrator stages each having an input circuit connected to the output circuit of said oscillation generator and having an input circuit of each succeeding stage connected to the output of the next preceding stage, means for impressing a signal on the first of said stages for producing a signal pulse in the output thereof which is initiated by the signal impressed on the input thereof and terminated by the next succeeding pulse of said train of pulse signals, a pulse being produced in the output of each succeeding stage which is



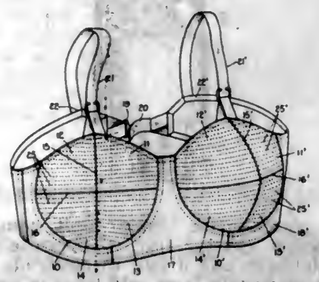
initiated by the termination of the output pulse of the immediate preceding stage and which is terminated by the occurrence of the next succeeding pulse of said train of pulse signals, a plurality of time selector circuits having a common output circuit and separate input circuits connected to separate signal input sources, separate circuits connecting said time selector circuits to the outputs of respective ones of said multivibrator stages for rendering each of said time selector circuits conductive only during the interval that an output pulse of a respective multivibrator stage is impressed thereon whereby said separate signal input sources are sequentially connected to said common output circuit.

2,559,500

BRASSIÈRE

Gerald W. Gluckin, New York, N. Y., assignor to William Gluckin & Co., Inc., New York, N. Y., a corporation of New York

Application July 17, 1948, Serial No. 39,221
1 Claim. (Cl. 2—42)



A brassière of the class described comprising a pair of pockets, means joining the pockets and supporting the same upon the body of the wearer, each pocket being formed from two upper and two lower sections joined by cross seams, one seam being disposed horizontally in joining upper and lower sections and the other seam being disposed vertically on the pocket, and the pocket

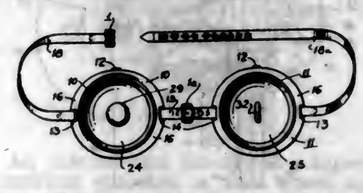
sections at the horizontal seams having straight edges in common alinement and each section having a plurality of reinforcing stitchings throughout the area thereof substantially parallel to the straight edges of said sections.

2,559,501

SANITARY BREAST MEASURING DEVICE

Fred V. Graf, Los Angeles, Calif.

Application April 12, 1949, Serial No. 86,876
5 Claims. (Cl. 33—2)



1. A sanitary breast measuring device, comprising two tubular members each with one end gradually flared out to conform to the breast and body, a plunger for each of said tubular members, concave on its inner side and formed with a skirt to permit the plungers to move freely in and out of the tubular members, said plungers being provided with handles for sliding them in and out of the tubular members, and a graduated adjustable band and buckle connecting the two tubular members in front, for measuring the separation of the breasts.

2,559,502

SURGE TYPE VACUUM PUMP

Everett M. Hadley, Riverside, Calif.

Application June 24, 1948, Serial No. 34,879
11 Claims. (Cl. 230—108)



1. In a vacuum pump, the combination of: a housing providing a chamber having an exhaust orifice formed therein; a passage providing an entry port and an exit port communicating with said chamber and an intake orifice adapted to be placed in communication with a vessel to be exhausted; a shaft rotatably mounted in said housing; a rotor mounted upon said shaft for rotation therewith; and a gate secured to said rotor for rotation therewith adapted to intermittently obstruct said entry port to said passage.

2,559,503

NITROGENOUS DERIVATIVES OF PETROLEUM SULFONIC ACIDS

John L. Harlan, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 14, 1945, Serial No. 616,456
3 Claims. (Cl. 260—504)

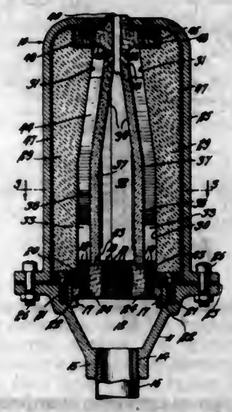
3. A method which comprises reacting concentrated nitric acid with a petroleum sulphonic acid body at a temperature between about 90° and 160° F. to form a nitrated petroleum sulphonic acid body, agitating said nitrated sulphonic acid body with metallic zinc and an alkali metal hydroxide solution under conditions of the normal heat of reaction therewith, and thereby forming an amino di-sulphonic acid body.

2,559,504

GAS BURNER WITH INTERNAL-COMBUSTION CHAMBERS

James B. Henwood, Bala-Cynwyd, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania

Application February 23, 1946, Serial No. 649,482
4 Claims. (Cl. 158—99)



3. A burner comprising structure forming a chamber having an inlet at one end, an outlet at the other, a perforated refractory part across said inlet, said part being provided on the side toward the chamber with a pair of parallel grooves, a pair of partition members in said chamber to divide said chamber into a plurality of sections, one end of each of said partition members being received in one of said grooves and the other end of each partition member being located at one side of said outlet, means to hold the said other ends of said partitions in position, and said partition members each being provided with an opening adjacent to said other end whereby the sections of said chamber are in communication with each other only adjacent to said outlet.

2,559,505

ART OF MAKING DUPLICATE MAGNETIC PHONOGRAPH RECORDS

James Hillier, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

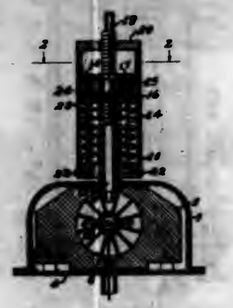
Application February 3, 1948, Serial No. 5,989
1 Claim. (Cl. 179—100.2)



The method of making a magnetic record of sounds which comprises, making a variable-density photographic recording of said sounds, making a half-tone engraving of said variable density photographic recording, printing from said half-tone engraving upon a record blank with the use

of ink containing a pigment comprised of permanently magnetizable particles a replica of said variable density photographic recording, and thereafter permanently magnetizing said printed magnetizable replica.

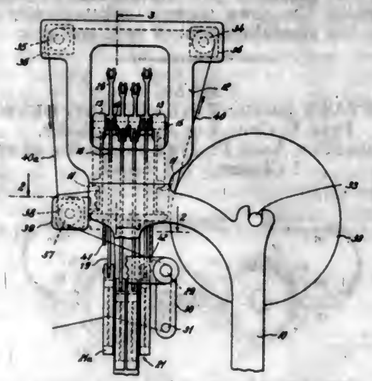
2,559,506
MAGNETRON
Jerome Kurshan, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 22, 1946, Serial No. 711,683
5 Claims. (Cl. 315—40)



1. A vane-type magnetron comprising an anode block having a cylindrical aperture containing a plurality of spaced conducting vanes extending radially from a central interaction space and terminating at the wall of said aperture and forming cavity resonators each having the shape of a sector of a circle, a rod of conducting material extending outwardly from the side of said block and penetrable into the predominantly magnetic field region adjacent the outer end of one of said resonators, adjustable means supporting said rod for movement into and out of said resonator, and means preventing movement said rod into the predominantly electric field region of said resonator adjacent said space comprising a tapered end portion of said rod similar in longitudinal section to said sector-shaped resonators, whereby the effective inductance of said resonator may be varied in accordance with the extent of penetration of said rod.

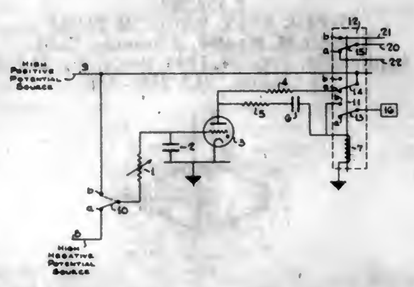
2,559,507
PILE FABRIC LOOM
Stewart McKnight, Amsterdam, N. Y., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York
Application May 10, 1949, Serial No. 92,321
7 Claims. (Cl. 139—97)

6. In a loom having a frame including a pair of sides formed to provide a support for a warp beam, the combination of a plurality of harnesses, harness operating means including pairs of vertical supporting elements, the elements of each pair having their lower ends connected to a harness and said means being operable to raise and lower the pairs of elements and the harnesses depending therefrom, tension means mounted on the frame for applying tension to warp yarns on their way from the beam through the harnesses, and means mounted on the loom frame for guiding warp yarns from the beam upwardly at the rear of the elements, over the upper end of the harness operating means, downwardly in front of the elements, and



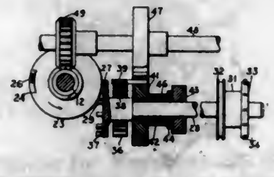
through the space immediately above the harnesses to the tension means.

2,559,508
TIME-DELAY RELAY CIRCUITS
Edwin H. Meier, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 18, 1949, Serial No. 111,030
2 Claims. (Cl. 175—320)



1. Improved time delay circuit comprising a source of high negative potential, a source of high positive potential, a thyratron tube, a first resistor connected to the grid of said thyratron and to a grounded capacitor, a relay coil, a second resistor, a second capacitor, means connecting the plate of said thyratron to the ground of the circuit through said second resistor, said second capacitor and said relay coil in series, a third resistor connected to the plate of said thyratron, multiple contact switching means associated with said relay coil and adapted initially to connect said third resistor to said source of high positive potential and adapted upon energizing of said relay coil to connect said relay coil to a source of low potential to maintain said coil in an energized condition and to disconnect said third resistor from said source of high positive potential, said switching means being also adapted to perform connecting and disconnecting steps in a circuit external to said time delay circuit, and a second switching means adapted in a first contact position to connect said first resistor to said source of high negative potential and adapted in a second contact position to connect said first resistor to said source of high positive potential.

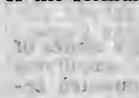
2,559,509
INTERMITTENT MOVEMENT
Edward G. Mercier, Flushing, and Arthur F. Hayek, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York
Application January 28, 1948, Serial No. 4,888
8 Claims. (Cl. 74—436)



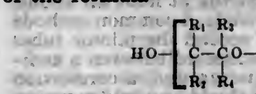
1. An intermittent movement comprising, an intermittent sprocket, a star wheel connected thereto, said star wheel having spaced teeth thereon, a continuously rotating cam wheel positively driving said star wheel having a uniformly circular portion and a curved portion offset therefrom, the distance from the leading edge surface of said offset portion and the surface of said circular portion being equal to the distance between corresponding surfaces on adjacent teeth, said cam wheel and said star wheel being disposed with their axes at an angle with respect to each other and with a selected star wheel tooth having only one surface thereof in engagement with the cam wheel and means for resisting the movement of said star wheel and for maintaining constant contact between a tooth surface and said cam wheel.

2,559,510
SYNTHETIC LUBRICANTS
Louis A. Mikeska and Paul V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 21, 1949, Serial No. 88,888
11 Claims. (Cl. 260—404.8)

1. As a new composition of matter an ester formed by fully esterifying a dicarboxylic acid of the formula—

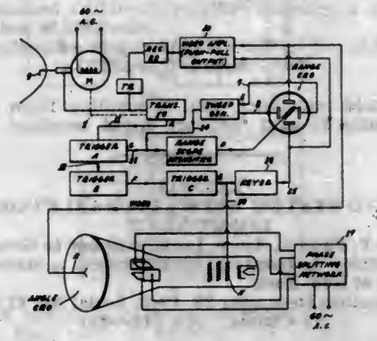


where R is a paraffinic hydrocarbon radical containing 0 to 8 carbon atoms, with a hydroxy ester of the formula—



where R' is an aliphatic hydrocarbon radical containing 2 to 17 carbon atoms, R'' is an alkyl radical containing 1 to 16 carbon atoms, R_1, R_2, R_3 and R_4 each represent a member of the group consisting of hydrogen and methyl groups, not more than one such methyl group being present in R_1, R_2, R_3 or R_4, and m is an integer from 1 to 5, the components of the composition being so chosen that the molecular weight thereof is at least 300 and the viscosity at 210° F. is not greater than 150 seconds (Saybolt).

2,559,511
OBJECT DETECTION SYSTEM UTILIZING RADIO PULSES
William A. Miller, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 27, 1944, Serial No. 532,929
2 Claims. (Cl. 343—11)

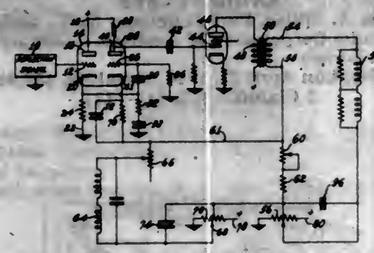


1. In a radio locating system, in combination, a rotatable antenna, a pulse transmitter coupled to said antenna, means for causing said transmitter to produce pulses of electromagnetic wave energy at a rate four times faster than the speed of rotation of said antenna, and common drive means for synchronizing the rotation of said antenna with the operation of said transmitter, whereby said transmitter sends out a pulse for each quadrant of the circle of rotation of said antenna, a receiver coupled to said antenna, range and angle indicating oscilloscopes having ray deflection elements coupled to the output of said receiver, a control grid for each of said oscilloscopes and normally biased to prevent passage of the cathode ray beam therethrough, circuits coupled to and under control of said transmitter for substantially simultaneously overcoming the cut-off bias on said control grids a predetermined interval of time after said transmitter produces a pulse, whereby the beams of said oscilloscopes become simultaneously visible on the respective screens thereof, and means in circuit with said angle indicating oscilloscope for causing the beam thereof to traverse a circular path of constant diameter in synchronism and in a one-to-one relation with the rotational speed of said antenna.

2,559,512
DEFLECTION CIRCUIT ARRANGEMENT
Jeremiah M. Morgan, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1949, Serial No. 136,347
7 Claims. (Cl. 315—27)

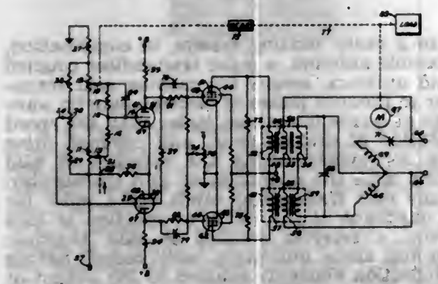
1. In a deflection circuit including a source of sawtooth type deflection voltage, a voltage datum terminal, a first and second electromagnetic deflection yoke, an electronic amplifier having sets of input and output terminals and also an inverse feedback input terminal said latter terminal being referenced to said datum terminal, a resistance element connected in series with said first deflection yoke across said amplifier output terminals, a circuit path from said

resistance to said datum terminal, connections for placing said second deflection yoke in shunt



with said resistance, and a coupling from said resistance to said feedback input terminal.

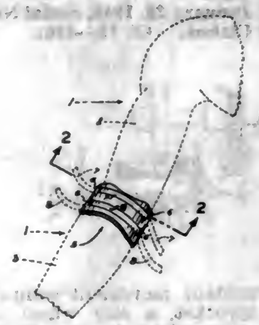
2,559,513
SERVO SYSTEM WITH SATURABLE CORE COMPONENT
James P. Palmer, Ames, Iowa, assignor to General Precision Laboratory Incorporated, a corporation of New York
Application December 28, 1948, Serial No. 67,743
15 Claims. (Cl. 318—28)



4. In a servo system means for producing a first potential proportional to an input quantity, means for producing a second potential, a device for varying said second potential, means for opposing said potentials to produce an "error signal" proportional to the unbalance thereof, a differential amplifier having said "error signal" impressed on its input and having a first output circuit the potential of which varies directly as a function of said "error signal" and a second output circuit the potential of which varies inversely as a function of said "error signal," a first saturable transformer having a control winding connected in said first output circuit, a second saturable transformer having a control winding connected in said second output circuit, primary windings for each of said saturable transformers energized by an alternating current, secondary windings for each of said saturable transformers connected in series opposed relation, a two-phase motor having a first field coil energized by a source of phase-shifted alternating current and a second field coil connected in circuit with said secondary windings and means for adjusting said first mentioned device in accordance with the operation of said motor.

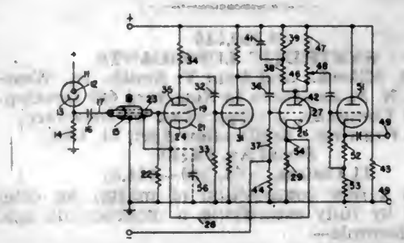
2,559,514
ARM SHACKLE
Clarence O. Parker, Shawnee, Okla.
Application December 28, 1948, Serial No. 67,585
1 Claim. (Cl. 128—133)

An anti-bend shackle for a human elbow, including: a semi-rigid plate which is arcuate transversely to fit the inside surface of a human elbow; laterally aligned sets of transversely spaced perforations in said plate; an adhesive strip for each set, said strips each adhered to the outer surface of the plate and extending between



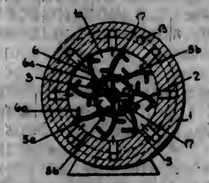
the perforations of a set, each strip passing through the perforations between which it extends, and having free end portions of sufficient length to pass partially around a human arm and to be adhered to the outside thereof.

2,559,515
HIGH-FIDELITY AMPLIFIER
Louis L. Pourciau, Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application July 1, 1947, Serial No. 758,350
4 Claims. (Cl. 179—171)



1. An amplifier system comprising a source of signal frequencies, an amplifier for amplifying said signal frequencies, a cable connected between said source and said amplifier having an internal conductor, an inner shield and an outer shield, said amplifier including first and second thermionic tubes each having at least an anode, cathode and control electrode, a common cathode circuit for said first and second thermionic tubes including a resistance connected between a common cathode terminal and ground, a connection between said inner cable shield and said common cathode terminal whereby said inner shield is caused to follow substantially the potential of said inner conductor, a connection between said internal conductor and the control electrode of said first thermionic tube, a phase-inverting coupling circuit connected between the anode of said first thermionic tube and the input of said second thermionic tube, a connection between said outer cable shield and ground whereby the capacity between said inner and outer cable shield is connected in shunt to said common cathode resistance and an output impedance connected in the anode circuit of said second thermionic tube.

2,559,516
METHOD AND APPARATUS FOR COMBINING FLUIDS
Francis E. Russell, Scotch Plains, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 1, 1949, Serial No. 84,851
9 Claims. (Cl. 259—96)



1. Apparatus for combining two or more fluid materials, comprising a walled casing defining a substantially cylindrical chamber internally thereof, a rotor element concentrically disposed within said chamber, a series of radial vanes rooted on said rotor between them forming with the casing a plurality of radial compartments within the chamber, conduit supply means for fluids at least partially disposed within the casing walls communicating with said chamber through an annular series of spaced inlet ports, means for rotating said rotor to bring each compartment into successive communication with said conduit means through each of said inlet ports, and discharge conduit means communicating with said chamber and disposed for substantially continuous discharge of combined fluids from each of said compartments.

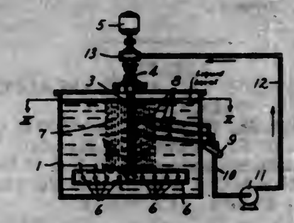
8. A method of combining two or more fluid materials, comprising continuously introducing said materials into a common mixing zone therefor serially, as successive, discrete incremental portions of a plurality of individual streams of said materials, agitating said incremental portions within and during passage through said zone, and continuously discharging a combined stream of said materials from said zone.

2,559,517
DISK PLOW
Alvah E. Rutter, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Original application September 30, 1943, Serial No. 504,427. Divided and this application October 6, 1948, Serial No. 52,997
6 Claims. (Cl. 308—21)



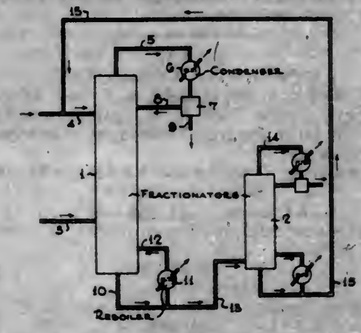
2. A journal bearing for a one-way load for use with a disk plow having a plurality of supporting wheels, a power lift and linkage leading from the power lift to one of said supporting wheels, said linkage including a rocking journal, the combination of a U-shaped channel element having a closed side constituting a saddle and embracing substantially one-half of the periphery of said journal and disposed in the direction of the force resulting from the one-way load and also having upwardly directed spaced walls tangent to said channel, spacer and cover means interposed between the walls and contacting said journal along a line on the periphery thereof and clamping means extending between the walls spaced from said closed side and adapted for urging said walls toward each other and clamping said cover means therebetween for predetermining the spacing of the walls and closing the opening to prevent inadvertent displacement of the journal therefrom.

2,559,518
RECIRCULATING TANK MIXING SYSTEM
Charles W. Smith, Plainfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 26, 1948, Serial No. 17,145
3 Claims. (Cl. 259—95)



1. A mixing apparatus comprising a container for a fluid body of materials to be mixed, said container having a bottom wall, rotatable agitator-impeller means disposed in said container closely spaced in vertical relation to the bottom wall thereof, rotatable shaft means extended into said container and connected to said agitator-impeller for rotation thereof, a plurality of conduit elements, for withdrawal therefrom of portions of a fluid body of materials in said container, extended into said container, each having an inner end terminating and opening in radially and vertically spaced relation to one another and to said shaft means and agitator-impeller respectively, and within the radius of rotation of said agitator-impeller, and an outer end exteriorly of said container, pump means connected to the outer ends of said conduit elements for withdrawing portions of the body of materials contained therein, and means for returning the material portions withdrawn to the container adjacent said agitator-impeller.

2,559,519
EXTRACTIVE DISTILLATION OF ALCOHOLS WITH GLYCOL ETHERS
Paul V. Smith, Jr., Westfield, and Carl S. Carlson, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application May 1, 1948, Serial No. 24,496
14 Claims. (Cl. 202—39.5)



1. The method of separating lower and higher molecular weight saturated monohydric alcohols

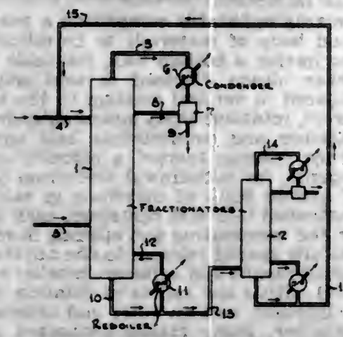
containing 3 to 5 carbon atoms per molecule and having normal boiling points above that of isopropanol and which form close-boiling mixtures difficult to separate by ordinary fractional distillation, which comprises continuously introducing a feed mixture of said alcohols to a fractional distillation zone wherein vapors of said alcohols ascend counter-currently to liquid reflux of the alcohols dissolved in 70–99 volume per cent of a glycol ether to effect vaporization of lower molecular weight alcohol continuously removing vapor of lower molecular weight alcohol overhead from the fractional distillation zone, and removing a solution of higher molecular weight alcohol in the glycol ether as bottoms.

2,559,520

EXTRACTIVE DISTILLATION OF ALCOHOLS WITH GLYCOLS

Paul V. Smith, Jr., Westfield, and Carl S. Carlson, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application May 1, 1948, Serial No. 24,497
8 Claims. (Cl. 202—39.5)



3. The method of separating lower and higher molecular weight saturated monohydric alcohols containing 3 to 5 carbon atoms per molecule and having normal boiling points above that of isopropanol and which form close-boiling mixtures difficult to separate by ordinary fractional distillation, which comprises continuously introducing a feed mixture of said alcohols to a fractional distillation zone wherein vapors of said alcohols ascend countercurrently to liquid reflux of the alcohols dissolved in 70 to 99 volume percent of a glycol to effect vaporization of lower molecular weight alcohol, continuously removing vapor of lower molecular weight alcohol overhead from the fractional distillation zone and removing a solution of higher molecular weight alcohol in the glycol as bottoms.

2,559,521

SYNTHETIC LUBRICANT

Paul V. Smith, Jr., Westfield, N. J., and Alexander H. Popkin, New York, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 27, 1948, Serial No. 62,418
6 Claims. (Cl. 260—484)

1. As a new composition of matter a compound of the formula

$$\begin{array}{l} COOR' \\ | \\ R \\ | \\ COOR'' \end{array}$$

where R is an organic group consisting of saturated aliphatic hydrocarbon radicals interlinked by at least two oxygen atoms, the total number of carbon and said oxygen atoms in the group R being from 3 to 85, the number of oxygen atoms being at least 2, in which there are at least two carbon atoms between each pair of said oxygen atoms and at least one carbon atom between the carboxyl group and the nearest of said oxygen atoms; where R' and R'' are organic groups selected from the class consisting of (1) saturated branched chain aliphatic hydrocarbon radicals containing a total in the two groups of 16 to 40 carbon atoms and (2) radicals consisting of a series of saturated aliphatic hydrocarbon radicals linked through 1 to 5 non-carbon atoms in each group of the class of elements consisting of oxygen and sulfur, the number of sulfur atoms being not greater than 2, and the total number of carbon and said non-carbon atoms in the two groups R' and R'' being from 8 to 40, there being at least 2 carbon atoms between each pair of said non-carbon atoms and between the carboxyl group and the nearest such non-carbon atom; the components of the composition being so chosen that the molecular weight thereof is at least 300.

2,559,522

DISPENSING CAP WITH SELF-CLOSING VALVE, HAVING AN AGITATOR INTEGRAL WITH THE MOVABLE VALVE ELEMENT

Anthony Sparacio, Brooklyn, N. Y.

Application March 19, 1949, Serial No. 82,435
1 Claim. (Cl. 222—228)



A dispensing cap device for containers comprising a socket member adapted to fit the top of the container, a semi-spherical cap operable in the socket member, handle means on the cap for operating the same, a spring device expandable through the socket and adapted to extend into the container and adapted to be worked by the cap when the cap is moved between open and closed positions, said spring device having an extension extending substantially into the interior of the container to break up the powder as the cap is operated, and a second extension disposed in the opening and forming a part of the spring device to force portions of the contents over the socket member and out of the container automatically as the cap is moved to an open position.

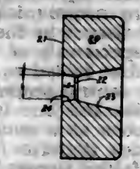
2,559,523

EXTRUSION DIE AND METHOD

Richard L. Templin, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application April 11, 1946, Serial No. 661,437
5 Claims. (Cl. 207—10)

1. An extrusion die having a bearing substantially uniformly choked at an angle between about 1 and about 6°, said bearing having an axial length between about one-third of the minor section dimension and about the major section dimension of die opening at said bearing.

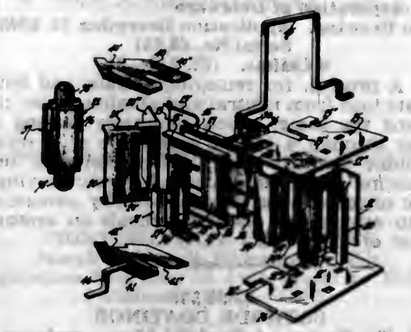


2,559,524

ELECTRON DISCHARGE DEVICE OF THE BEAM DEFLECTION TYPE

Harry C. Thompson, Chester, Vt., assignor to Radio Corporation of America, a corporation of Delaware

Application October 20, 1948, Serial No. 55,501
6 Claims. (Cl. 313—68)



1. An electron discharge device having electron gun means for supplying and directing a beam of electrons along a beam path, electrode means toward which said electrons are directed and including a first electrode having a secondary emissive surface extending across said beam path at a relatively small acute angle thereto, and a second electrode positioned adjacent said first electrode and having an aperture through which said path lies, said second electrode having a collector surface facing and parallel to said secondary emissive surface, and means for deflecting said beam across said aperture.

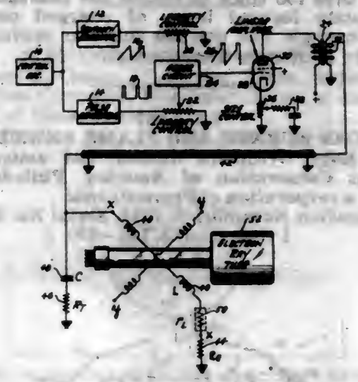
2,559,525

CATHODE-RAY DEFLECTION CIRCUITS

Arthur W. Vance, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1949, Serial No. 136,236
3 Claims. (Cl. 315—27)

1. In a cathode ray beam deflecting circuit including a source of deflection voltage embracing a predetermined range of signal frequency components and an electromagnetic deflection yoke winding having an inductance component L and resistance component r_L, a signal communicating circuit having substantially linear amplitude and frequency response characteristic over the range of deflection signal frequency components, means for applying deflection voltage to the input of said signal communicating circuit, a first resistor of value R_e connected in series with said deflection yoke to form a combination, connections for applying the output of said signal communicating circuit across said resistor-yoke combination, and a capacitor of value C and second



resistor of value R_T connected to form a series combination in shunt with said resistor-yoke combination wherein the following relations are substantially fulfilled

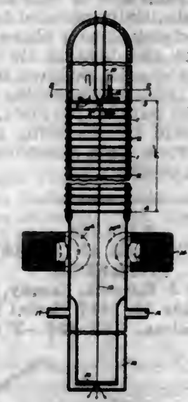
$$R_e + r_L = R_T = \sqrt{L/C}$$

2,559,526

ANODE TARGET FOR HIGH-VOLTAGE HIGH-VACUUM UNIFORM-FIELD ACCELERATION TUBE

Robert J. Van de Graaff, Belmont, and William Weber Buechner, Arlington, Mass., assignors to Research Corporation, New York, N. Y., a corporation of New York

Original application September 18, 1945, Serial No. 617,036. Divided and this application December 20, 1949, Serial No. 133,972
3 Claims. (Cl. 313—330)



1. In a high-voltage high-vacuum tube for generating an accurately focused beam of charged particles of great concentration upon a minute area on the order of 0.01 of an inch in diameter, a thick anode target composed wholly of a metal having a high atomic-number, said anode target being on the order of one-quarter of an inch thick so that, even though under the action of the highly concentrated beam of charged particles impinging on it, the anode target material becomes molten at the point of impact, sufficient solid target material still remains surrounding

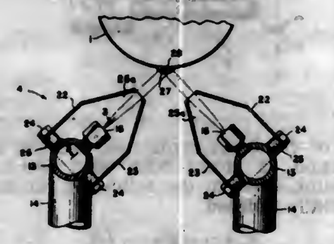
the molten region to prevent mechanical failure, and to which the molten material adheres by reason of surface tension, the said anode target being thus too thick to permit the passage of an accurately focused beam of charged particles therethrough, but not too thick to prevent the passage of X-rays therethrough.

2,559,527

GAS BURNER AND FLAME SHIELD

John Roger Williams, Ambler, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania

Application November 3, 1948, Serial No. 58,148
1 Claim. (Cl. 158—99)



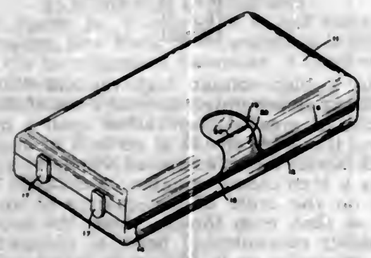
In a burner, the combination of an elongated tubular manifold, means to supply a combustible mixture to said manifold, a plurality of burner port units each provided with an axial passage terminating in a port through which the combustible mixture may flow to be ignited, said units including means to produce a long spear type flame, said burner port units being mounted on said manifold in a row and communicating with the interior thereof and extending in a given direction, spacing members extending from the exterior of said manifold at right angles to the passage of said burner port units and on opposite sides thereof, and a shield attached to the spacing members on each side of said manifold, each shield being substantially parallel to said burner port units and extending to a plane substantially at right angles to and passing through the discharge ends of said axial passage in said burner port units, said shields converging toward each other beyond their parallel portions, the converging portions of said shields being provided with a plurality of narrow slots extending toward the converging edges thereof.

2,559,528

POCKET TISSUE CASE AND TISSUE PACKET THEREFOR

Edward J. Barrett, Lemay, Mo.

Application June 23, 1947, Serial No. 756,476
4 Claims. (Cl. 206—37)



1. A tissue package comprising a case having a top wall, a bottom wall, a rear wall, a curved front wall, two end walls, with a narrow longitudinal slot in said curved front wall, and a thumb opening in said top wall, the last mentioned thumb opening communicating with said slot, and a pack of tissues in the case, each of which is folded independently of the other, said tissues each being first folded so that the ends thereof lie against a central section of the tissue, said tissues being stacked one upon the other and finally folded once as a composite pack to provide a curved edge therefor formed by said central section, the folded tissues being arranged in the case so that a folded end of a tissue is adjacent said slot and underlying said thumb opening, and upon progressive removal of the tissues singly through said slot, such end of an outside tissue is always present at said thumb opening.

2,559,529

PROCESS FOR REMOVING SULFATE AND BICARBONATE IONS FROM WATER

William C. Bauman, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application December 29, 1948, Serial No. 68,031
6 Claims. (Cl. 210—24)

1. A process, for removing sulfate and bicarbonate ions from neutral and alkaline water containing the same, which comprises passing the water through a bed of a chloride of a water-insoluble strongly basic anion exchange resin consisting of a vinyl-aromatic resin having a basic nitrogen atom of a quaternary ammonium group attached to methyl radicals on aromatic nuclei of the resin.

2,559,530

CATHODE COATINGS

Carl W. Becker, Arlington, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

No Drawing. Application September 13, 1944, Serial No. 553,959
3 Claims. (Cl. 106—194)

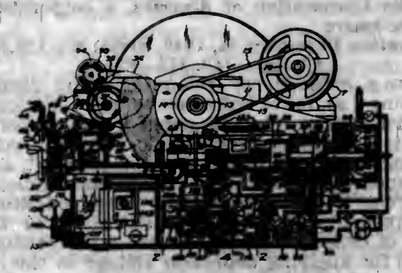
1. A cathode-coating material consisting of an amyl acetate-nitrocellulose lacquer containing the carbonate of an alkaline-earth metal and a substantial amount of $BaO_2H_2O_2$.

2,559,531

GRINDING MACHINE

Albert G. Belden, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application August 18, 1948, Serial No. 44,929
8 Claims. (Cl. 51—95)



1. In a cylindrical-type grinding machine having a transversely movable wheel slide, a rotatable grinding wheel thereon, a feeding mechanism to move said slide in either direction, a rotatable work support including a headstock rotatably to support a cylindrical-type work piece for grinding the periphery thereof, an adjustable speed headstock motor to rotate a work piece to be ground, control apparatus for said motor including a speed adjusting control apparatus, and means independent of the transverse movement of the wheel slide which is arranged automatically to actuate said speed adjusting control apparatus so as to produce a diminishing speed of said motor and work piece from a rough grinding to a finish grinding speed during a grinding cycle.

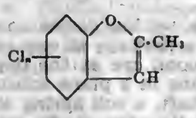
2,559,532

CHLORO-2-METHYLBENZOFURANS

Gerald H. Coleman, Freeland, and Raymond H. Rigterink, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application February 28, 1949, Serial No. 78,894
4 Claims. (Cl. 260—346)

1. A chloro-2-methylbenzofuran having the formula



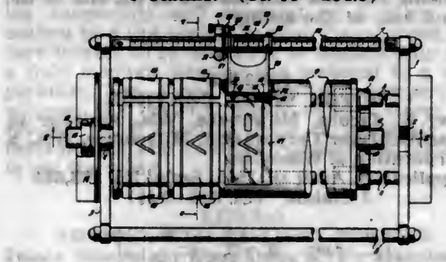
wherein n is an integer from 1 to 4, inclusive.

2,559,533

PRINTING PLATE POSITIONER

Joseph S. Daniels, Rhinelander, Wis.

Application November 22, 1944, Serial No. 564,688
3 Claims. (Cl. 33—184.5)



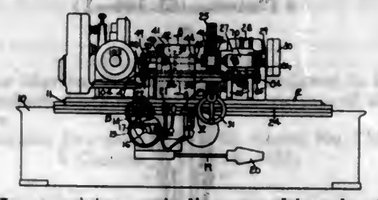
1. In an apparatus for guiding printing plates to a predetermined position on the surface of a printing press plate cylinder the combination comprising a longitudinal supporting rod positioned lengthwise of said cylinder, a guide mounting sleeve slidable on said rod, means for securing said sleeve to said rod in predetermined position, measuring means including a divided scale and a pointer secured to said sleeve and rod and referable to one another, a swingable guiding arm mounted on said sleeve to swing thereabout, shoulders on said sleeve cooperatively engaging said swingable arm and adapted to hold said swingable arm against endwise displacement with respect to said sleeve, said sleeve being interposed between said swingable arm and said supporting rod precluding wearing contact therebetween, said guiding arm having a free end movable to and from the surface of said cylinder, a cross member pivotally secured to and frictionally held on the free end of said guiding arm swingable with respect thereto about an axis parallel to the swinging axis of said guiding arm, attachment pins mounted on said cross member adapted to pass through openings provided therefor in a printing plate and clamping nuts threadingly engaging said pins.

2,559,534

PISTON GRINDING MACHINE

Clarence J. Green, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application June 13, 1950, Serial No. 167,763
4 Claims. (Cl. 51—101)



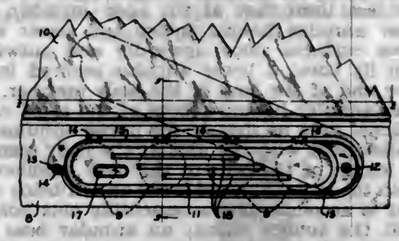
1. In a piston grinding machine having a transversely movable rotatable grinding wheel, a worktable, a rock bar pivotally supported on said table, a master cam spindle on said rock bar, means including a master cam on said spindle and a follower roller to impart a rocking movement to said rock bar, means including a work supporting center on said spindle to support one end of a workpiece to be ground, an adjustably mounted footstock on said table, a rotatable spindle on said footstock, a work supporting and a work driving member thereon, means to adjust said footstock transversely so that the axis of the footstock spindle is aligned with the axis of the master cam spindle when the low point of the master cam is in engagement with the follower roller so that the end of the workpiece adjacent to the footstock rotates about a substantially fixed axis while the other end of the workpiece rotates with the master cam spindle and is rocked away from and toward the grinding wheel as controlled by the master cam to generate a variable relief on the workpiece, and means including a drive shaft synchronously to rotate the master cam spindle and the footstock spindle so as to synchronize rotation of the master cam and the workpiece.

2,559,535

STORM SASH VENTILATING ASSEMBLAGE

William C. Hansen, Milwaukee, Wis.

Application June 23, 1948, Serial No. 34,693
2 Claims. (Cl. 98—97)



1. In a closure for a vent opening formed in a lower storm sash rail having a plane inner surface, an elongated medially dished cover having a continuous plane-surfaced peripheral flange entirely surrounding its dished portion and formed to snugly engage the plane rail surface about the vent opening when the cover is closed, the upper portion of said flange having therein a series of local transverse and upwardly directed vent re-

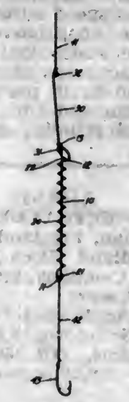
cesses facing the plane rail surface and providing restricted passages communicating with the vent opening through the dished portion of the cover.

2,559,536
LINING WELLS
James D. Haynes, Kilgore, Tex., and Orlin W. Lyons, Shreveport, La., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application December 20, 1945, Serial No. 636,130
4 Claims. (Cl. 166—1)



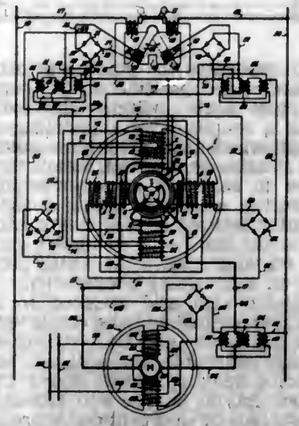
1. A liner setting tool for running a liner on the lower end of a tubing string in telescopic relationship thereto into an uncased portion of a well hole below casing therein and cementing the liner in place, said liner being of smaller diameter than the said casing but of larger diameter than the said tubing string, said liner setting tool comprising a tubular body member having an axial bore of substantially the same diameter as that of the said tubing string; thread means formed in the body member for securing the tool to the lower end of the said tubing string so that the bore of the said tubing string and that of the body member form a continuous passage with the bores of the said tubing string and body member in alignment when the tool is secured to the tubing string, said thread means being disengageable permitting disengagement of the tubing string from the tool after the liner is cemented in place; an upper annulus secured in the upper end of the bore of the body member, said upper annulus having a bore in axial alignment with the bore of the said body member and whose cross-sectional area is from 25 to 75 per cent less than that of the body member, said upper annulus having upper and lower edges whose surfaces slope upwardly and outwardly from its bore; a lower annulus secured in the lower end of the bore of the body member, said lower annulus having a bore of the same cross-sectional area as that of the upper annulus and in alignment with the axis of the body member, the length of the bore of the body member between the upper and the lower annuli being sufficient to accommodate a cementing plug adapted to fit the tubing string; an annular boss surrounding the tubular body member at its lower end; and thread means on the external surface of the annular boss adapted to engage the internally threaded lower end of the liner, whereby the tubing string and liner are joined through the annular boss between them at their lower ends in telescopic relationship by the tool when the liner is secured to the tool on being run into and cemented in a well hole.

2,559,537
FISHHOOK SETTER
Steven K. Haynie, El Reno, Okla.
Application September 4, 1948, Serial No. 47,920
1 Claim. (Cl. 43—15)



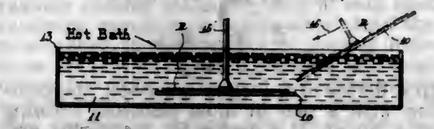
A fish hook setting device comprising a first shaft having a first eye at one end and a shoulder and a second eye at the opposite end, said second eye lying in a plane substantially normal to the first shaft, a coil spring shorter than the shaft surrounding the shaft and having a loop at one end engaged with the first eye and a second loop at the other end adapted to extend over the shoulder, said second loop being provided with an eye at the end thereof and a second shaft passing through the second eye of the first shaft and having an eye at one end and line-attaching means at the opposite end, said last mentioned eye being engaged with the eye at the end of the second loop of the spring.

2,559,538
MOTOR SPEED CONTROL
Henry S. Jacobs, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application April 16, 1945, Serial No. 588,685
5 Claims. (Cl. 318—141)



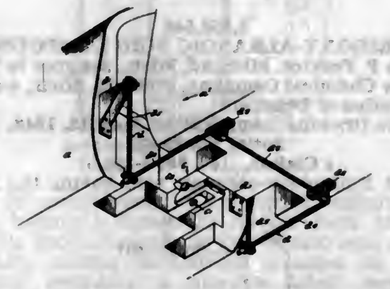
1. In a dynamoelectric machine an armature and field frame including pole pieces forming a flux path; a first field winding therefor adapted to establish flux in said path in one direction; a second field winding therefor adapted to establish flux in said path in the opposite direction; an induction regulator having a primary winding adapted to be connected to a source of alternating current, a first and a second secondary winding and means for controllably and selectively varying the magnetic coupling between said primary winding and said secondary windings alternatively and to the mutual exclusion of one another; a first rectifier connected to be supplied with alternating current delivered by said first secondary winding; means forming a circuit connection between said first rectifier and said first field winding for applying the unidirectional output of said rectifier to said field winding; a second rectifier connected to be supplied with alternating current delivered by said second secondary winding; and means forming a circuit connection between said second rectifier and said second field winding for applying the unidirectional output of said rectifier to said field winding.

2,559,539
RECONDITIONING OF PHONOGRAPHIC RECORDS
Frederick G. Kelly, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application October 30, 1948, Serial No. 57,521
8 Claims. (Cl. 18—48.3)



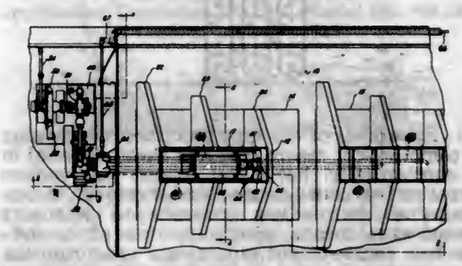
1. The method of obliterating embossed recordations from thermoplastic material, said material having the characteristic of being left under stress when it is deformed by cold flow, comprising supporting said material on a liquid film backed by a flat surface so that the recorded surface thereof to be effaced is in contact only with a fluid medium, heating the material to a temperature less than its molding temperature whereat the material yields to said stress and returns to its original shape to obliterate said recordations, and thereupon cooling said material to set the same.

2,559,540
ARTICULATED RAILWAY VEHICLE
James MacVeigh, New York, N. Y., assignor to Patentes Talgo, S. A., Madrid, Spain, a corporation of Spain
Application July 2, 1948, Serial No. 36,570
2 Claims. (Cl. 105—453)



1. An articulated railway vehicle comprising rigid body sections and connections integrating the sections and each including a central connection containing a vertical pivot, and lateral connections comprising a normally vertical rod having one of its ends pivotally attached to one section and a normally horizontal rod hinged on the other section at each side of the vehicle, a pivotal connection between the free end of each vertical rod and the free end of each horizontal rod, and transverse means on said other section connecting and thereby restraining the two horizontal rods at the opposite sides of the section from turning in opposite directions, while permitting free turning thereof in the same direction.

2,559,541
COAL PUSHER
Eugene Martin, Wesleyville, Pa., assignor to Read Standard Corporation, a corporation of Delaware
Application December 11, 1946, Serial No. 715,495
9 Claims. (Cl. 198—224)



7. A material pushing device including a housing and pusher members projecting laterally from said housing, said housing and pusher members being adapted to reciprocate over a material supporting wall, a motor cylinder in said housing stationarily mounted with respect to said supporting wall, a piston mounted for reciprocation within said cylinder, a connection between said piston and said housing for transmitting reciprocating motion from said piston to said housing, a fluid circuit for conducting fluid to and from each end of said cylinder, and a valve in said circuit for alternately reversing the direction of flow of fluid in said circuit at the end of each stroke of said piston.

2,559,542
FISH LURE
Corban Mintner, St. Louis, Mo., assignor of forty-nine per cent to Henry Slazinik, St. Louis, Mo.
Application June 2, 1948, Serial No. 30,648
3 Claims. (Cl. 43—42.22)



1. In a fish lure of plug type, a solid body characterized by a frontal, top recessed portion, a variably positionable pendant weight and a convolute wire element extending longitudinally of said body close to and below said recessed

portion, the pendant weight having an eye through which the wire element extends, the weight being disposable in selected positions along the body by introduction of the eye to the different convolutions of the wire element, said recessed portion in coaction with the variably positionable weight, enabling a variable motion of the lure incident to movement thereof through the water.

2,559,543
APPARATUS FOR THE MANUFACTURE OF BRICK SIDING
Carl Gebhard Muench, Glenview, Ill., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application July 10, 1948, Serial No. 37,986
7 Claims. (Cl. 91—43)



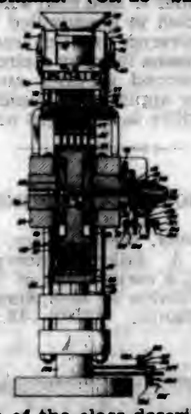
1. Apparatus of the type described, comprising in combination, means carrying sheet material in a substantially horizontal plane, an endless elevating belt conveyor mounted thereover, means mounting the endless conveyor to vertically spaced wheel means, selected portions of the endless belt conveyor cut out, means synchronizing the peripheral speed of the belt with the lineal rate of movement of the sheet material, means directing a falling stream of particulate material to the inner surface of the lower run of the endless belt and particle elevating means mounted interiorly to the elevating belt conveyor.

2,559,544
MULTICOLOR SPRAY GUN
Jens A. Paasche, Chicago, Ill.
Application May 27, 1946, Serial No. 672,457
1 Claim. (Cl. 299—140)



In a multi-fluid airbrush, a body portion having a conduit therein adapted to be connected to a source of aeriform substance under pressure, a plurality of spray guns having aeriform substance passages therein, a plurality of ball and socket members interconnecting said body portion and said spray guns, each of said ball and socket members having a passage therein interconnecting said conduit with the spray guns, a single control valve means in said body portion for controlling the passage of aeriform substance from said conduit through said ball and socket member passages into the aeriform substance passages in said spray guns, a nozzle for each spray gun including fanning and primary air passages, and a single valve member for each spray gun located at the point of communication between aeriform substance passage therein and the passage through the adjacent ball and socket connecting member to control both the fanning and the primary air passages in the spray gun.

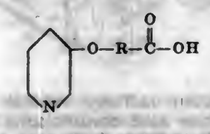
2,559,545
MACHINE FOR MOLDING
Allen M. Penrod, Federalsburg, Md., assignor to Maryland Plastics, Inc., Federalsburg, Md., a corporation of Maryland
Application August 25, 1945, Serial No. 612,609
24 Claims. (Cl. 18—21)



5. In a device of the class described, the combination with a pair of mold elements forming part of a turret, of a device for measuring and dispensing material for feeding to the turret, a feeding device, means for moving said feeding device from the measuring device to one of the pair of mold elements for carrying moldable material to one of the pair of mold elements and for returning it from said mold element to a position adjacent said measuring device, a compacting device, means for moving said compacting device on said return into individual molds of one of said pair of mold elements to compact the material therein, a forming device, means for moving said forming device into position against another of said pair of mold elements to assist in forming material therein, movable rods within each of the individual molds of the mold elements for supporting material in said individual molds, a single device for operating the rods within the pair of mold elements, and a pair of additional devices for operating the compacting device and the forming device.

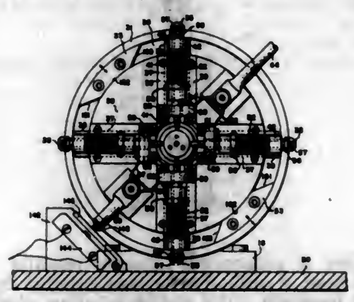
2,559,546
3-PYRIDOXY-ALKANOIC ACID COMPOUNDS
Ralph P. Perkins, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application April 13, 1948, Serial No. 20,827
4 Claims. (Cl. 260—295.5)

1. A 3-pyridoxy-alkanoic acid having the formula



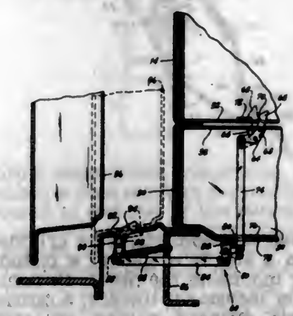
wherein R represents a saturated aliphatic hydrocarbon residue containing from 1 to 5 carbon atoms, inclusive.

2,559,547
MACHINE FOR MAKING AN ELECTRODE ASSEMBLY
Price L. Reed, Royersford, Pa., assignor to Superior Tube Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 12, 1949, Serial No. 120,911
9 Claims. (Cl. 219—4)



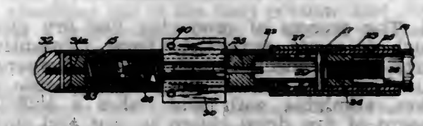
7. A welding apparatus adapted to be associated with a welding current timer and comprising at least one pair of radially disposed opposed welding electrodes, individual means yieldably retaining each of said electrodes, means radially slidably mounting each of said electrode retaining means, means rotatable about the circumference of said mounting means including cams for intermittently depressing said retaining means inwardly within said mounting means, intermittently rotating means actuating said rotatable depressing means, said electrodes moving inwardly in response to the action of said depressing means on said retaining means and yieldably engaging opposite sides of parts to be welded together, and means for initiating a welding current timer to pass welding current through said electrodes and the parts when said electrodes are in engagement therewith.

2,559,548
LATCHABLE SEAT
Floyd O. Seigneur, St. Louis, Mo.
Application March 2, 1946, Serial No. 651,445
2 Claims. (Cl. 155—5)



1. In combination with a vehicle including a seat having a forwardly folding back and a vehicle door adjacent one side of said seat, a releasable locking mechanism mounted on said vehicle including a movable latch member mounted on said vehicle, and engageable with said seat back in one position of movement to maintain said seat back against forward folding movement, a movable door actuatable member mounted on said vehicle for engagement and movement by said door when closed, a link pivotally connected at one end to said latch member, a second link pivotally connected at one end to said door actuatable member, a bellcrank pivotally mounted on said vehicle, both of said links being pivotally connected at their other ends to said bellcrank, and spring means both biasing said door actuatable member into position for engagement by said door and said latch member into a second position of movement out of engagement with said seat back permitting forward folding movement thereof, so that closing of said door effects locking of said seat back against forward folding when said seat back is in normal position as said door is closed and opening of said door permits said spring means to release said seat back.

2,559,549
PLUGGING DEVICE FOR DOOR LOCKS
Paul Sevčik, Chicago, Ill.
Application December 18, 1947, Serial No. 792,536
8 Claims. (Cl. 70—428)



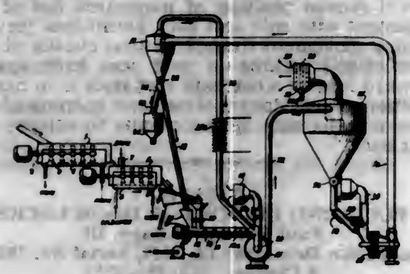
5. A plugging device for mortise-type door locks comprising a unit having a pair of hinged plates folded sufficiently close to permit the insertion of the unit into the lock through either keyhole when the unit is assembled with a control, means effective on said plates when the control is removed to expand them and constitute the unit a plug barring the insertion of a regular key into the lock, said means comprising a slide with a cam formation effective to gather said plates when the slide moves in the direction of said control, a connection between the latter and the slide to procure said movement thereof, and a compression spring interposed between said plates and the end of the slide remote from said control, such spring being effective to urge the slide in a direction opposite from said control.

2,559,550
IRONING DEVICE CARRYING REVERSIBLE PRESSING CLOTH
Samuel G. Shapiro, Philadelphia, Pa.
Application April 8, 1949, Serial No. 86,203
3 Claims. (Cl. 38—75)



1. In a device of the character described, the combination of a pressing iron having a handle, a pressing cloth positioned on the pressing surface of the iron and extending beyond two opposite ends of said surface, one end of said pressing cloth being swivelly connected to one of such ends of the iron, above the pressing surface of the iron, whereby said pressing cloth may be swivelled to position either surface thereof against the pressing surface of the iron and means carried on the iron detachably engaging the second end of said pressing cloth above the pressing surface of the iron, to maintain said pressing cloth against the pressing surface of the iron.

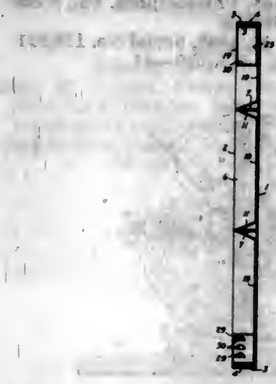
2,559,551
PRODUCTION OF DRY GLUTEN
Harry M. Weber, Trenton, Mich., assignor, by mesne assignments, to Trenton Chemical Company, Trenton, Mich., a corporation of Michigan
Application June 20, 1946, Serial No. 678,069
4 Claims. (Cl. 241—17)



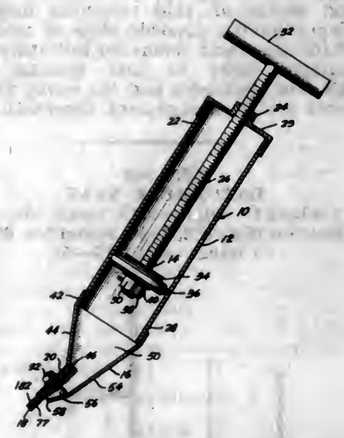
1. The process of producing fine dry gluten which is easily dispersible from substantially starch free washed and wet gluten agglomerates which includes subdividing the gluten into wet flakes, admixing with said flakes a sufficient amount of fine dried gluten to coat and shrink the flakes, introducing a stream of heated air to the material being mixed, disintegrating the material in said stream to convert it into a fluffy mass, blowing the fluffy mass with a further addition of heated air a sufficient distance to dry it without raising its temperature much in excess of 150° F. and further disintegrating it during said last named movement, separating the gluten particles in said mass from the resultant moisture-laden air, grinding the particles to approximately 60 mesh in further moving heated air so as to further dry the gluten and carry it off without raising its temperature much in excess of 150° F., separating the dried gluten as a finished product from the air carrying it, and selecting a portion of said finished product for admixture with wet flakes and recycling through the process.

2,559,552
GOLF CLUB BOX
Charles D. Weisbenbach, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application September 22, 1949, Serial No. 117,095
7 Claims. (Cl. 206—65)

7. A paperboard shipping and display receptacle for golf clubs comprising an elongated rectangular container having a bottom wall and upright side and end walls, said side walls having inturned flaps extending from one end wall to the other and having free edges engaging said bottom, said side wall flaps having laterally aligned longitudinally spaced vertical slots extending from their bottom edges and terminating short of the top edge of the side wall, upright rib members having their ends positioned in laterally aligned slots, each rib member being formed of a paperboard strip bent about a central longitudinal fold line to provide face portions disposed back to back, each face portion having an integral flap at each end disposed between a side wall flap and the body of a side wall, said rib members having laterally spaced longitudinally aligned club handle receiving notches, and a club rack in the form of a paperboard strip fitting between the inturned flaps of the side walls and bent about transverse fold lines intermediate its ends to provide upstanding hollow transverse ribs of inverted V form within which said upright rib members are received, said hollow ribs having notches at their apices which register with the notches of said rib members.



2,559,553
PUTTY TOOL
Lewis Wolff, New York, N. Y.
Application January 24, 1949, Serial No. 72,529
3 Claims. (Cl. 18—3.5)



1. A putty tool comprising: a cylinder adapted to contain a supply of putty; a piston element; means for mounting the piston element upon the cylinder for movement therein; a nozzle element; said nozzle element having an exit opening formed by two pairs of edges, each of the edges of said parts being disposed at angles with respect to each other, whereby each edge of a given pair of edges is disposed substantially parallel to a corresponding edge of the second pair; a spreading element and means detachably securing said spreading element to said nozzle element adjacent said exit opening, a portion of said spreading element lying in the plane formed by two above mentioned parallel edges.

2,559,554
KITCHEN POTATO DICER
Hubert S. Zahner, St. Louis, and William S. Nash, Overland, Mo.
Application May 19, 1947, Serial No. 748,876
2 Claims. (Cl. 146—78)



2. A kitchen utensil, comprising a vertically disposed tubular casing including a pair of opposed side walls; a dicing knife disposed within the casing including a plurality of spaced cutting blades and a pair of blade supporting members; horizontal grooves in the opposed side walls to slidably receive the blade supporting members whereby the blades and blade supporting members can be reciprocated crosswise of the casing; means detachably fastened to the blade supporting members for reciprocating them in said grooves; and vertically extending channels in the opposed walls intersecting the grooves through which the blades and blade supporting members can be removed from the casing as a unit when the reciprocating means are detached therefrom.

2,559,555
WRITING INSTRUMENT
Nathan Zepelovitch, Tel Aviv, Israel, assignor to Nahum A. Bernstein, New York, N. Y.
Application July 12, 1949, Serial No. 104,311
In Israel March 31, 1949
3 Claims. (Cl. 120—42.03)



3. A writing instrument, comprising, a tubular barrel member, a feed member supporting a writing tip secured to one end of the barrel member, said feed member having a restricted portion thereof disposed adjacent said barrel member, a pair of circumferential grooves bounding said restricted portion of said feed member, an axially displaceable cap slidably mounted on said feed member and provided with an annular bead adapted to engage one of said grooves when said cap is in an advanced position shrouding said writing tip and adapted to engage the other of said grooves when said cap is in a retracted position exposing said writing tip, and a clip mounted on a springy split ring shaped to encompass said tubular barrel member and to be positioned encircling said restricted portion of said feed member for maintaining said cap in advanced position shrouding said writing tip.

2,559,556
LOOSE-LEAF FILING DEVICE
Richard J. Ambler, Montreal, Ontario, Canada
Application June 8, 1949, Serial No. 97,844
4 Claims. (Cl. 129—41)

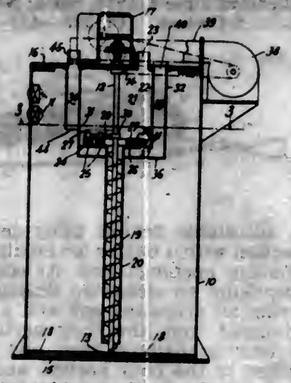


1. An adjustable flexible filing device for use in connection with a binder for holding a stack of leaves having openings near its edge, said device comprising an elongated flexible body portion having an attaching end and a free end, a strap stamped from the body portion and extending longitudinally thereof and having one end secured to the body portion and having an opposite free end arranged inwardly of and near the attaching end of the body portion, said strap having a longitudinal group of spaced openings, one end opening of the group being arranged adjacent to the free end of the strap, a second elongated flexible strap having a free end and an attaching end, the attaching end of the second strap being arranged adjacent to and upon one side of the attaching end of the body portion, a flexible hinge to be secured within the binder, means for securing the attaching ends of the body portion and second strap to the flexible hinge, the second strap being of a width so that it may be first passed through the opening adjacent to the free end of the first strap and then through further opening or openings in the first strap, the free end of the second strap being movable from the attaching end of the body portion to be arranged in close relation to the edge of the stack of leaves, the free end of the first strap and the adjacent portion of the second strap forming a closed loop for holding a portion of the stack of leaves, the closed loop being held in the contracted position by the second strap and being adjustable in size by moving the second strap longitudinally with respect to the first strap, the closed loop being adapted to be swung to invert the stack of leaves by virtue of the flexibility of the flexible hinge and the body portion without increasing the size of the closed loop.

2,559,557
AERATING FEEDING OF PULVERIZED MATERIALS
Ervin G. Bailey, Easton, Pa., and Ralph M. Hardgrove, Westfield, N. J., assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application July 12, 1944, Serial No. 544,606
10 Claims. (Cl. 302—36)

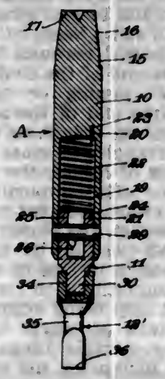
1. Apparatus for feeding pulverized material comprising walls defining an aerating chamber having multiple air-borne material outlet ports in the top wall thereof, conveyor means for delivering pulverized material into the lower portion of said chamber, means for limiting the height of pulverized material within said chamber, walls forming an air distributing chamber beneath said aerating chamber and receiving air from an outside source, a plate member between said aerating chamber and said distributing chamber having an opening therethrough for passage of air, flanges attached to said plate extending upwardly on each circumferential side of

said opening, and a rotatable cap member having depending flanges superimposed in spaced



relationship to said opening and upwardly extending flanges.

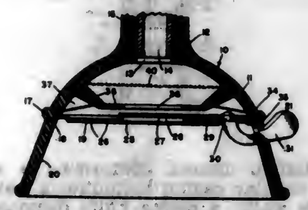
2,559,558
AXIAL IMPACT TYPE ROTARY TOOL
Paul H. Carlson and Edwin N. Carlson, St. Paul, and Warren E. Carlson, Stillwater, Minn.
Application September 26, 1946, Serial No. 699,492
1 Claim. (Cl. 81—52.3)



An axial impact type rotary tool for loosening a threaded member and including a handle element, a socket in one end thereof, a cam element slidably and rotatably supported in said socket, a pin extending through said handle element transversely of said socket and normally fixed relative thereto, said cam element having cam slot means therein through which the pin extends, said cam slot means acting to rotate the cam element upon axial movement thereof relative to said handle element.

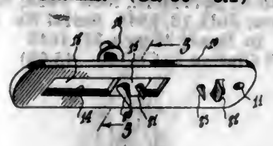
2,559,559
SPRAY HEAD
Stanley Isenberg, Chicago, Ill.
Application January 2, 1947, Serial No. 719,865
2 Claims. (Cl. 299—145)

2. A spray head comprising a generally dome-shaped hollow body having an upper water inlet and a lower water outlet adapted to receive the hereinafter mentioned perforated spray plate, said body being formed with an internal inverted frusto-conical portion originating angularly from the inside of said body and defining a central orifice above said outlet, a screen seated in said hollow body with its edge inserted into the angle formed by said frusto-conical portion with said inside of the main body, a perforated spray plate seated in said outlet and having an aperture aligned with but spaced from and larger than said orifice, said body having a flexible peripheral skirt around said outlet and pierced by an arcuate slot therethrough adjacent the spray plate on the side thereof remote from the water inlet, and an elongate lever member pivoted to said spray plate and having a first arm extending over



said spray plate and terminating in a perforated disc, said lever member including a second arm extending below said spray plate through said arcuate slot and movable from one edge of the slot to the other edge thereof in an arcuate movement centered about the pivot of the lever member to the spray plate, for manually turning the lever to move said disc into and out of registration with said spray plate aperture whereby said spray head may be selectively adjusted for delivery of water passing therethrough either as a columnar stream or as a spray.

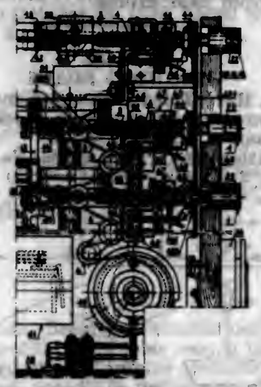
2,559,560
ADJUSTABLE CAN PUNCH
Bennie Lealon Larson, St. Louis, Mo.
Application July 13, 1950, Serial No. 173,613
5 Claims. (Cl. 30—6.1)



1. A can punching implement comprising an elongated body having a rigid tongue extending from the underside thereof near one end thereof, a substantially small piercing element extending from the underside of said body and positioned adjacent but spaced from said tongue between said tongue and the other end of the body, a longitudinal slot extending through a portion of the length of said body from a point near said other end of the body, a substantially rectangular carriage slidably mounted in said slot, said carriage having means normally restraining the same from upward movement through said slot in a direction at right angles to said body and having additional means normally urging said carriage upward toward the plane of said body thereby normally positioning said carriage in said slot, said carriage having a piercing element of substantially the same dimensions as said first-named piercing element on said body extending from the underside of the carriage, said carriage having a second piercing element extending from the underside thereof spaced from said first-named carriage piercing element and of larger dimensions than said piercing element on said body, said piercing elements on said carriage being in alignment with the longitudinal median

line through said slot, said piercing element on said body and said tongue being in alignment with said piercing elements on said carriage, said carriage being adapted to be depressed manually to a position below the plane of said body and being further adapted to be manually rotated on its vertical axis to reverse the positions of the said piercing elements thereon in said line.

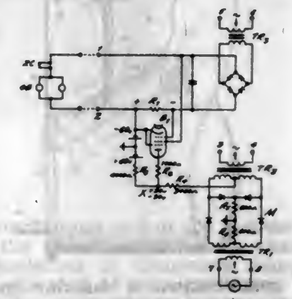
2,559,561
TELEPHONE SWITCHBOARD
Louis Micha, Monaco, Monaco
Application June 24, 1948, Serial No. 34,938
In France July 7, 1947
12 Claims. (Cl. 179—27)



1. A telephone switchboard having a plurality of push buttons arranged in horizontal rows and vertical columns for making connections between lines, comprising in combination, a frame rigidly secured to the switchboard; stationary guiding members arranged in line to one another in said frame; movable guiding members, each connected to one of the push buttons, respectively, said movable guiding members being arranged in line to one another in the same plane with said stationary guiding members; a flexible member connected with one end thereof to said frame and arranged in a zig-zag path embracing said guiding members; and an element adapted to take a plurality of positions for controlling connections between the lines and being connected to the other end of said flexible member, whereby by the pushing in of a push button said movable member connected therewith is displaced and the effective length of said flexible member is increased so that said element changes the position thereof.

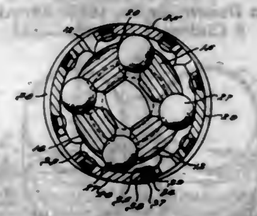
2,559,562
TERMINATION FOR TELEGRAPH LINES
Roelof M. M. Oberman, The Hague, Netherlands
Application July 30, 1947, Serial No. 767,533
In the Netherlands August 3, 1946
6 Claims. (Cl. 178—66)

4. In a telegraph termination, a local line; a trunk circuit including an outgoing line and an incoming line; a resistance in said local line; a first transformer having a primary winding connected to said incoming line of said trunk circuit; a secondary winding forming part of said first transformer; a rectifier connecting said secondary winding of said first transformer to said local line; a vacuum tube having a cathode connected to one end of said resistance, a control grid connected to the other end of said resistance, and a plate connected to said outgoing line of said trunk circuit; a screen grid in said vacuum tube; means for imparting to said screen grid a positive potential from said rectifier; a battery and two resistances connected in series between said cathode and said plate; a modulator connected to said outgoing line of said trunk circuit; a generator; a second transformer having a primary winding energized by said generator and a secondary winding forming part of said modulator; a third transformer having a primary winding



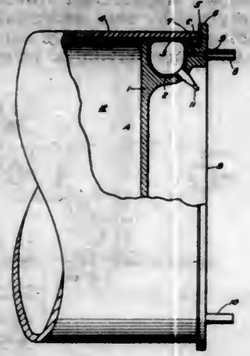
connected to said outgoing line of said trunk circuit; and a resistance connected in series between the first of said two resistances and the mid-point of said primary of said third transformer, said resistances being so dimensioned that a predetermined potential is imparted to said modulator when signals are transmitted from said incoming line of said trunk circuit to said local line and a different predetermined potential is imparted to said modulator when signals are transmitted from said local line to said outgoing line of said trunk circuit.

2,559,563
CONSTANT VELOCITY JOINT
Richard B. Ransom, Knoxville, Tenn., assignor to Universal Products Company Incorporated, Detroit, Mich., a corporation of Delaware
Application July 2, 1945, Serial No. 602,706
8 Claims. (Cl. 64—21)



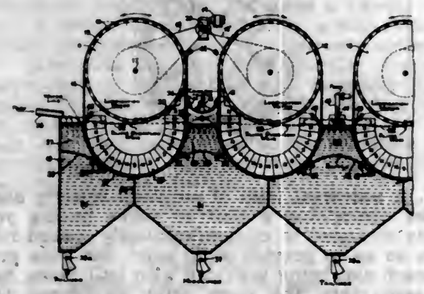
1. A universal joint of constant velocity character comprising a pair of yokes having yoke arms arranged in circumferentially spaced relation so as to provide axial slots, the yoke arms at each slot being provided with ball races, balls in said races, the races being so formed that radially outer portions of the balls are disposed radially outwardly of the arms and slots, ring means encircling the arms and having internal circumferential groove means in which the outer portions of the balls are retained, and inward projections on said ring means at said grooves for limiting relative circumferential movement of the ring means relative to the balls.

2,559,564
PNEUMATIC AND AIR SWEEP CLOSURE
Curren C. Sperling, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application September 10, 1945, Serial No. 615,468
3 Claims. (Cl. 220—46)



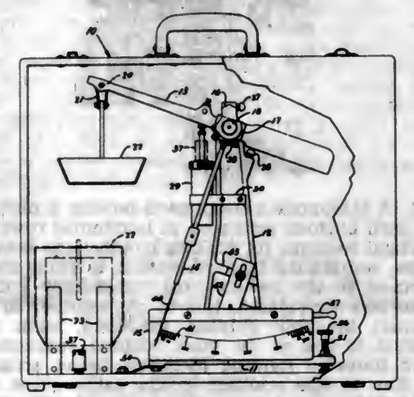
1. In combination, a tubular member and closure therefor, said closure comprising a circular member having a diameter slightly less than the diameter of said tubular member and having a groove extending around the periphery of the innermost end thereof, said groove carrying an inflatable sealing member therein adapted to provide a seal against the wall of said tubular member, said circular member also having at the outermost end thereof an extended portion adapted to form a collar against the edge of said tubular member, a second groove positioned between the first mentioned groove and the extended portion and adapted to form an annular chamber between said circular member and the inner wall of said tubular member, and means for introducing air into said annular chamber at a pressure greater than the pressure of the atmosphere surrounding said tubular member.

2,559,565
MAGNETIC SEPARATOR
Robert E. Crockett and Page S. Haselton, Montclair, N. J.
Application December 24, 1947, Serial No. 793,714
6 Claims. (Cl. 209—232)



2. A magnetic separator having in combination a pair of hollow drums, the surface portions of which are movable along an arcuate path downwardly, around and then upwardly, the upwardly moving surface portions of one opposing corresponding upwardly moving portions of the other with a separating region therebetween, means for supporting and driving said drums in opposite directions whereby such opposed surface portions will both move upwardly, a series of magnets arranged along a correspondingly curved path inside each of said drums, a tank constructed and arranged to receive a liquid mixture of magnetic and non-magnetic particles to be separated and to maintain such mixture with a liquid level such as to cause submersion of said downwardly and upwardly moving curved portions of the drums, said series of magnets extending along inside said upwardly moving surface portions to points above such liquid level, whereby magnetic particles are caused to adhere to said opposed surface portions and be carried thereon up through the liquid surface, and means above the liquid level for conveying away magnetic particles from said drums.

2,559,566
WEIGHING SCALE
Norman E. Hart, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application May 2, 1944, Serial No. 533,756
2 Claims. (Cl. 116—129)

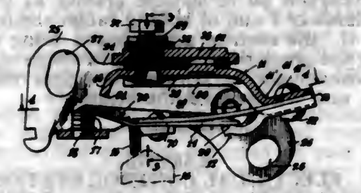


1. In a device of the class described in combination, a weighing lever having a fulcrum pivot and a load pivot defining a pivot line that is generally horizontal at the midposition of the lever travel, an indicator attached to the lever, the indicator having a straight index portion of substantial length extending radially from the fulcrum of the lever, a chart mounted parallelly adjacent the path of the index portion of the indicator and having indicia equally spaced along a straight line that is perpendicular to the index portion when said pivot line is horizontal, guide means extending parallel to a line through the zero indicium of the chart and the fulcrum pivot for supporting the chart and mechanism for moving the chart along the guide means.

2,559,567
METHOD FOR PREPARING SIMPLE TERTIARY THENYLAMINES
Howard D. Hartough, Pitman, and Sigmund J. Lukasiewicz, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application April 9, 1947, Serial No. 740,494
8 Claims. (Cl. 260—329)

5. A method of preparing simple tertiary thenylamines which comprises mixing (A) thiophene having 1 to 3 substituent groups only one of said substituent groups being attached to an alpha nuclear carbon atom and said substituent groups being selected from the group consisting of alkyl, alkoxy and halogen, (B) one of the group consisting of formaldehyde and reversible polymers of formaldehyde and (C) more than a molar equivalent based upon the amount of said thiophene of an ammonium halide and holding said mixture at a temperature not greater than reflux.

2,559,568
FULCRUM TYPE IGNITION CONTACT BREAKER
Frederick J. Hooven, Dayton, Ohio
Application October 28, 1950, Serial No. 192,720
5 Claims. (Cl. 200—30)



1. A periodic circuit interrupter comprising in combination with a rotatable cam, a pair of relatively stationary and movable contacts, a support for said fixed contact, a bifurcated leaf spring, a contact arm carrying said movable contact joined to said leaf spring, a fulcrum placed at an end of said contact arm and pivotably supporting said arm and a rubbing block adapted for activating said contact arm upon the rotation of a cam, said rubbing block, said contact arm, and said bifurcated spring being connected at a point midway of the contact arm between the rubbing block and the fulcrum.

2,559,569
MANUFACTURE OF BENZENE HEXACHLORIDE
Harold David Orloff, Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 25, 1950, Serial No. 164,299
8 Claims. (Cl. 260—648)

1. A process for the manufacture of benzene hexachloride comprising reacting chlorine and benzene in the dark in the presence of an organic peroxide and an amine under liquid phase conditions at a temperature between 20° and 80° C.

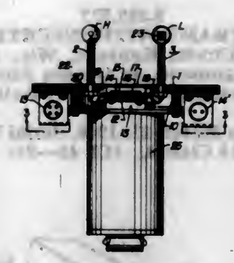
2,559,570
DRIVE FASTENER
Ouglesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application May 17, 1946, Serial No. 670,611
4 Claims. (Cl. 85—5)

1. A fastener comprising an elongated sheet metal shank having an entering end portion and including a pair of longitudinal relatively rigid shank sections of arcuate transverse shape with the concave sides thereof facing inwardly in opposed relation, a head integral with said shank and enlarged with respect to the shank circumference and bent transversely of the shank to overlie the space within the shank sections and project laterally thereof, a plurality of longitudinally spaced strap elements connecting one pair of opposed margins of said shank sections, one of said strap elements connecting said shank sections adjacent the head end portion and another of said strap elements connecting said shank sections adjacent the entering end portion, the longitudinal space between said strap elements and the rigidity of said sections effecting the bodily shifting of the shank sections as individual units



about the longitudinal axis of the fastener in the vicinity of the entering end as the shank sections are subjected to transverse compressive stress from the wall of the aperture of a work piece, the other opposed margins of said shank sections over a substantial portion of the shank length being circumferentially spaced, and a plurality of relatively rigid work engaging projections extending outwardly from the periphery of a shank section and positioned intermediate the opposite longitudinal margins of said shank section in a substantially central portion thereof.

2,559,571
THERMOCOUPLE THERMOMETER
Theodore Shedlovsky, New York, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application January 2, 1946, Serial No. 638,693
16 Claims. (Cl. 73—359)



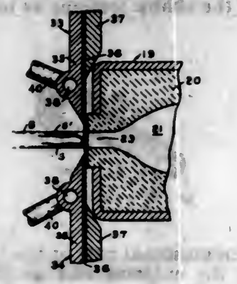
16. In a thermometer for measuring the temperature of a rapidly flowing fluid medium, first and second signal generating means adapted to be disposed in said medium and to generate first and second signals having values proportional at least in part to the degrees of compression of the fluid on the first and second means and to the true temperature of the medium, means for mounting said first and second means in said medium to have different degrees of fluid compression thereon, third signal generating means for generating a signal proportional to a predetermined temperature, and indicating means operatively connected to all said signal generating means and constructed and arranged to compare the values of the signals and indicate the true temperature of the medium.

2,559,572

METHOD AND APPARATUS FOR PRODUCING GLASS FIBERS

Charles J. Stalego, Newark, N. J., assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application April 30, 1947, Serial No. 744,990
16 Claims. (Cl. 49—17)



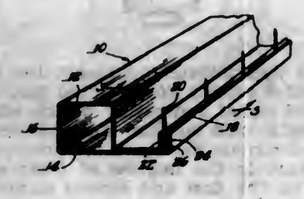
10. Apparatus for producing fibers from elongated rods of a heat softenable material, comprising means for producing a relatively wide blast of a gaseous medium having a temperature exceeding the softening temperature of the material and having a velocity sufficient to attenuate the softened material into fibers, means for feeding groups of elongated rods of the material into the blast from different directions, a guide for one group of rods having means for positioning the rods in lateral spaced relation to each other transversely of the blast, and a second guide for another group of rods having means for positioning the rods in the latter group in lateral offset relationship to the rods in the first mentioned group.

2,559,573

METAL FRAME WITH INSERTED PINS

Kenneth J. Unwin, Kenosha, Wis., assignor, by mesne assignments, to Quaker Stretcher Company, Kenosha, Wis., a corporation of Wisconsin

Application March 11, 1948, Serial No. 14,327
13 Claims. (Cl. 45—24)



1. A frame member for a curtain stretcher or the like comprising a sheet metal body portion having rear edges determining a plane, a U-shaped channel portion formed from said body portion and arranged longitudinally of said body portion and transversely of said plane, and a plurality of impaling pins mounted in said channel portion and gripped by the side walls of said channel portion.

2,559,574

COMPOSITION AND METHOD FOR REMOVING OIL SLUDGE

Melvin Weissberg, Brooklyn, N. Y., assignor to Irving J. Rifkin and Alfred Turman

No Drawing. Application June 3, 1948, Serial No. 30,992
4 Claims. (Cl. 252—353)

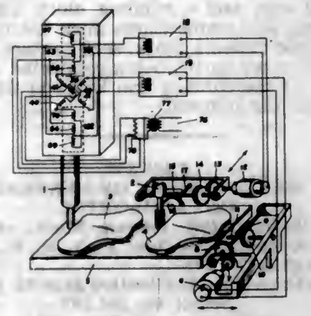
1. The method of dispersing petroleum sludge which comprises bringing the surface of the sludge into contact with a solution of a minor proportion of an oil-soluble and hydrophilic surface active agent in a solvent selected from the group consisting of coal tar neutral oil of specific gravity at least about 1 and an aromatic neutral hydrocarbon oil of specific gravity at least approximately 1 and of boiling range about 258° to 353° C., the surface active agent being selected from the group consisting of petroleum sulfonate, the condensate of triethylene glycol with oleic acid, and triethanolamine oleate.

2,559,575

ELECTRICAL CONTROL SYSTEM

Robert A. Fryklund, Somerville, and William G. Gorton, Belmont, Mass., assignors to Raytheon Manufacturing Company, a corporation of Delaware

Application January 31, 1947, Serial No. 725,642
10 Claims. (Cl. 90—62)



1. A tracer element comprising two members, the first of said tracer members being fixed and the second of said tracer members being rotatable and displaceable with respect to the first member, a rotary transformer means responsive to the rotation of said second member for producing a first pair of voltages characteristic of the relative angular position of the tracer members, variably coupled transformer means responsive to the displacement of said second member for producing a second pair of voltages characteristic of the direction and amount of displacement from an initial position relative to the first member, and means to influence each member of said second pair with a different member of said first pair.

2,559,576

PROCESS FOR POLYMERIZATION WITH TETRABOROHYPOPHOSPHORIC ACID CATALYST

Warren W. Johnstone, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application June 25, 1947, Serial No. 757,065
9 Claims. (Cl. 260—683.15)

1. A process which comprises subjecting a polymerizable compound to the action of

$$B_4O_7(H_2P_2O_6)_2$$

at polymerizing conditions.

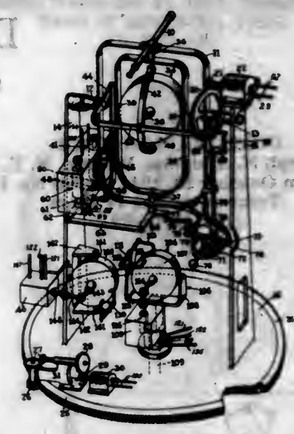
2,559,577

GYROSCOPICALLY CONTROLLED HYDRAULIC ACTUATING APPARATUS WITH FOLLOW-UP AND STABILIZING MECHANISM

James D. Tear, Great Neck, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application September 27, 1944, Serial No. 555,972
18 Claims. (Cl. 60—53)

1. Motion follow-up mechanism comprising a movable support, a position stabilized member and a controlled element mounted on said support, power means for driving said element relative to the support, a follow-up means actuated by said member and having means for controlling the power means to position the element in accordance with the position of the member,

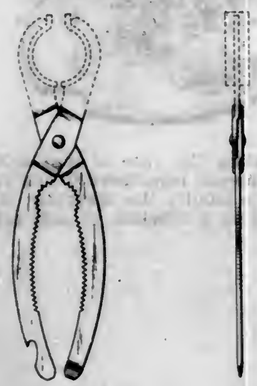


means measuring the rate of movement of the support, and means responsive to the rate measuring means to modify the operation of said follow-up means as a function of said rate.

DESIGNS

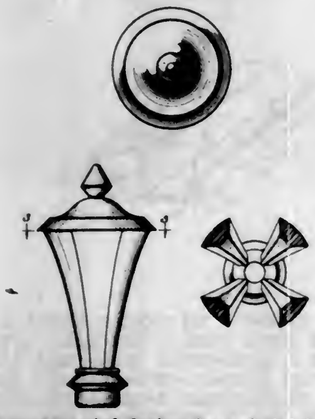
JULY 3, 1951

163,785
COMBINATION TOOL
Joseph N. Amigone, Buffalo, N. Y.
Application October 23, 1948, Serial No. 149,261
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a combination tool, as shown and described.

163,786
FINIAL FOR LAMPS OR SIMILAR ARTICLES
John M. Black, Chicago, Ill., assignor to Commonwealth Plastics, Inc., Chicago, Ill., a corporation of Delaware
Application February 20, 1951, Serial No. 14,283
Term of patent 14 years
(Cl. D48—7)



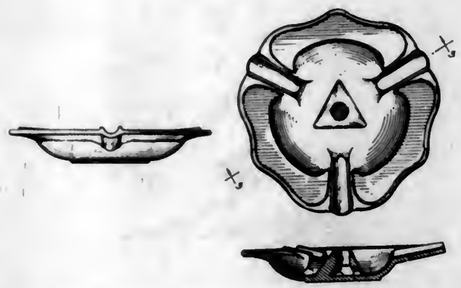
The ornamental design for a finial for lamps or similar articles, as shown.

163,787
FOUNTAIN PEN
Ernest B. Blockert and Anthony Marino, New York, N. Y.
Application October 26, 1949, Serial No. 5,709
Term of patent 3½ years
(Cl. D74—17)



The ornamental design for a fountain pen, substantially as shown.

163,788
ASH TRAY
Herbert M. Brewster, Glenview, Ill.
Application April 6, 1950, Serial No. 9,008
Term of patent 3½ years
(Cl. D85—2)



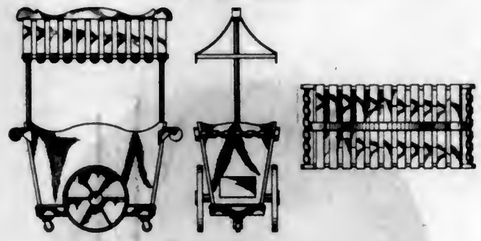
The ornamental design for an ash tray, substantially as shown.

163,789
NUTHOOK
Gordon T. Brummel, Chicago, Ill.
Application March 10, 1951, Serial No. 14,456
Term of patent 14 years
(Cl. D54—11)



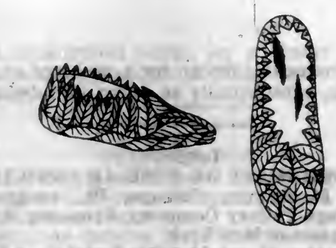
The ornamental design for a nuthook, substantially as shown.

163,790
MOBILE DISPLAY STAND
Maynard A. Buchanan, Omaha, Nebr.
Application December 6, 1950, Serial No. 13,293
Term of patent 3½ years
(Cl. D14—3)



The ornamental design for a mobile display stand, as shown and described.

163,791
SLIPPER
Gustav Cohn, New York, N. Y.
Application December 22, 1950, Serial No. 13,549
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a slipper, substantially as shown.

163,792
SLIPPER
Gustav Cohn, New York, N. Y.
Application December 22, 1950, Serial No. 13,548
Term of patent 3½ years
(Cl. D7—7)



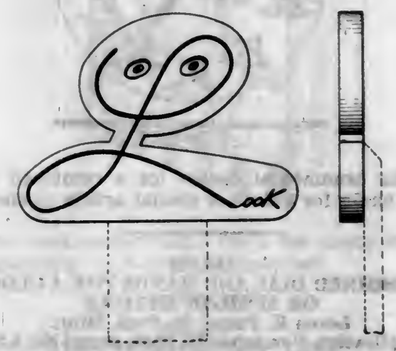
The ornamental design for a slipper, substantially as shown.

163,793
BADGE
Ben Creason, Forest Green, Mo.
Application November 10, 1949, Serial No. 5,981
Term of patent 3½ years
(Cl. D29—2)



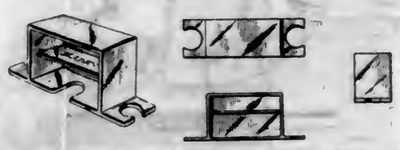
The ornamental design for a badge, as shown.

163,794
WARNING SIGN
John V. Duda, Chicago, Ill.
Application April 29, 1950, Serial No. 9,598
Term of patent 3½ years
(Cl. D72—1)



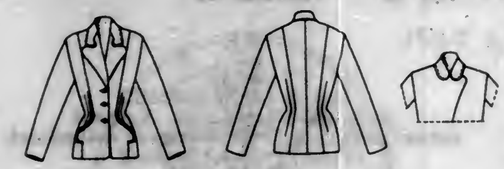
The ornamental design for a warning sign, as shown and described.

163,795
SAFETY RAZOR HOLDER
Nikki Eastman, Port Chester, N. Y.
Application February 24, 1948, Serial No. 144,670
Term of patent 3½ years
(Cl. D4—3)



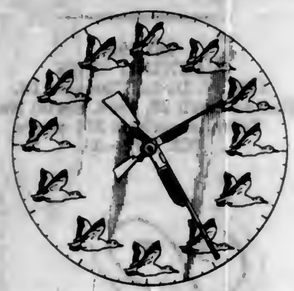
The ornamental design for a safety razor holder, substantially as shown.

163,796
JACKET
Simon Etkin, New York, N. Y.
Application December 20, 1950, Serial No. 13,515
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

163,797
COMBINED DIAL AND HANDS FOR A CLOCK OR SIMILAR ARTICLE
Loren K. Fargo, St. Paul, Minn.
Application November 28, 1949, Serial No. 6,295
Term of patent 14 years
(Cl. D42—10)



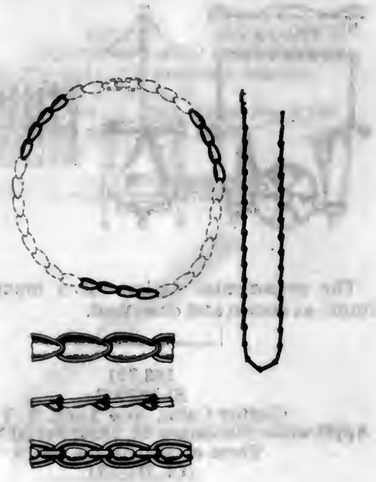
The ornamental design for a combined dial and hands for a clock or similar article, as shown.

163,798
COMBINED DIAL AND HANDS FOR A CLOCK OR SIMILAR ARTICLE
Loren K. Fargo, St. Paul, Minn.
Application November 28, 1949, Serial No. 6,296
Term of patent 14 years
(Cl. D42—10)



The ornamental design for a combined dial and hands for a clock or similar article, as shown.

163,799
NECKLACE OR SIMILAR ARTICLE
André Fleuridas, Westport, Conn., assignor to Mazer Bros., Inc., a corporation of New York
Application March 1, 1950, Serial No. 8,233
Term of patent 3½ years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

163,800
DINNER PLATE OR SIMILAR ARTICLE
Richard H. Garvin, Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application March 14, 1950, Serial No. 8,516
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

163,801
DINNER PLATE OR SIMILAR ARTICLE
Richard H. Garvin, Chicago, Ill., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application March 8, 1951, Serial No. 14,431
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

163,802
STUFFED DOG
George Grooms, Ames, Iowa, assignor to Collegiate Manufacturing Company, Ames, Iowa, a corporation of Iowa
Application October 17, 1950, Serial No. 12,603
Term of patent 14 years
(Cl. D34—2)

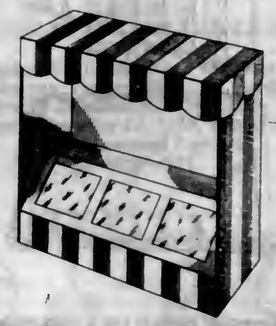


163,802—Continued



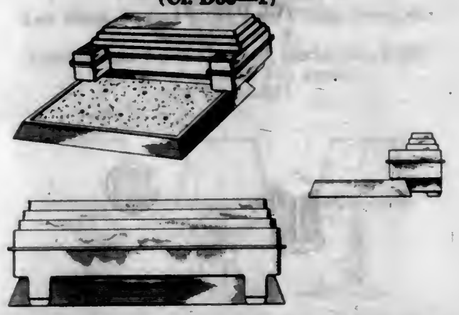
The ornamental design for a stuffed dog, as shown.

163,803
TOY CANDY SHOP
John W. Hazelton, Toronto, Ontario, Canada
Application March 21, 1950, Serial No. 8,663
Term of patent 3½ years
(Cl. D34—15)



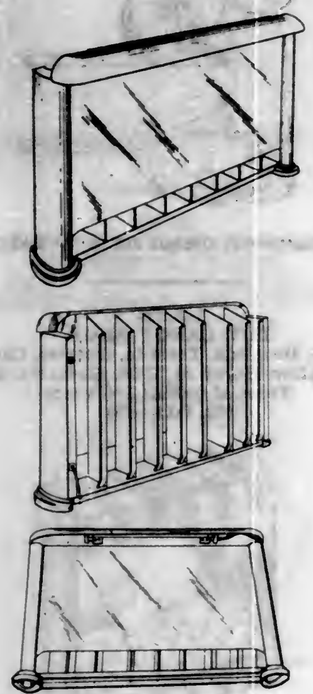
The ornamental design for a toy candy shop, substantially as shown and described.

163,804
FOOT DISINFECTING UNIT
Alex Hyde, Santa Barbara, Calif.
Application May 25, 1950, Serial No. 10,146
Term of patent 14 years
(Cl. D32—1)



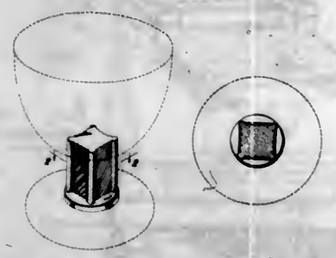
The ornamental design for a foot disinfecting unit, substantially as shown and described.

163,805
CIGARETTE DISPENSER OR SIMILAR ARTICLE
Robert E. Johnson, Duluth, Minn.
Application October 28, 1949, Serial No. 5,747
Term of patent 7 years
(Cl. D52—2)



The ornamental design for a cigarette dispenser or similar article, substantially as shown.

163,806
GOBLET OR SIMILAR ARTICLE
Harry G. Kammerer, Morgantown, W. Va., assignor to Seneca Glass Company, Morgantown, W. Va., a corporation of West Virginia
Application March 6, 1951, Serial No. 14,399
Term of patent 14 years
(Cl. D36—8)



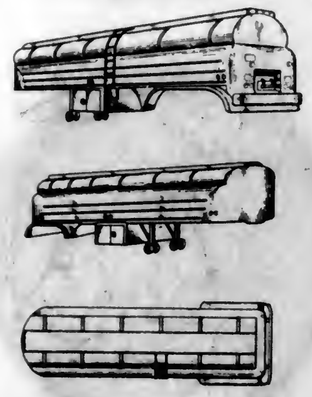
The ornamental design for a goblet or similar article, as shown and described.

163,807
SCHOOLBAG
Sholom E. Kaplan, Hartford, Conn.
Application June 28, 1950, Serial No. 10,317
Term of patent 14 years
(Cl. D87—3)



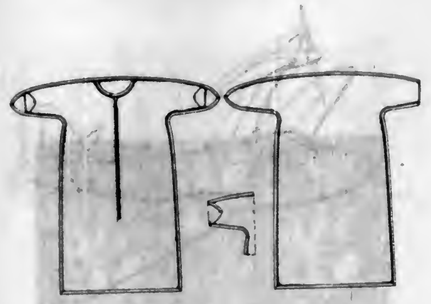
The ornamental design for a schoolbag, substantially as shown and described.

163,808
VEHICLE TRAILER BODY
John B. King and Eugene Chosy, Delphos, Ohio, assignors to Gramm Trailer Corporation, Delphos, Ohio, a corporation of Ohio
Application April 4, 1950, Serial No. 8,974
Term of patent 14 years
(Cl. D14—3)



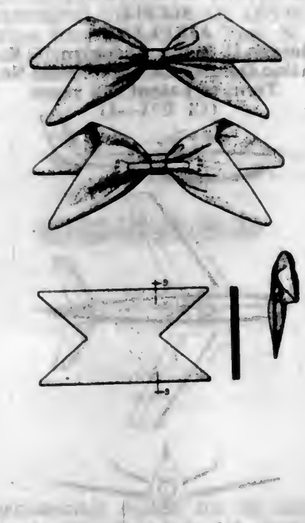
The ornamental design for a vehicle trailer body, as shown.

163,809
BABY'S SLEEPING BAG
Evelyn Lehigh, Mamaroneck, N. Y.
Application May 20, 1947, Serial No. 139,149
Term of patent 14 years
(Cl. D92—2)



The ornamental design for a baby's sleeping bag, substantially as shown and described.

163,810
BOW TIE
Harry Mann, Laurelton, N. Y.
Application January 23, 1950, Serial No. 7,404
Term of patent 3½ years
(Cl. D3—16)



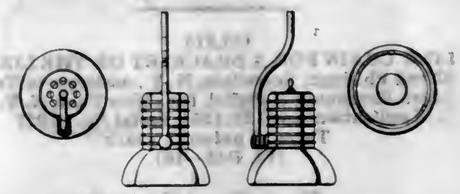
The ornamental design for a bow tie, substantially as shown and described.

163,811
DINNER PLATE OR SIMILAR ARTICLE
Charles H. McKaig, Camillus, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 25, 1950, Serial No. 11,394
Term of patent 14 years
(Cl. D44—15)



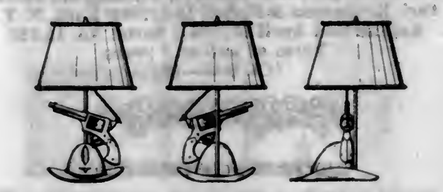
The ornamental design for a dinner plate or similar article, as shown and described.

163,812
REFLECTOR HEAD UNIT FOR LIGHTING FIXTURES
Jacob A. Mehr, St. Louis, Mo., assignor to Dazor Manufacturing Corporation, St. Louis, Mo., a corporation of Delaware
Application November 18, 1949, Serial No. 6,107
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a reflector head unit for lighting fixtures, substantially as shown.

163,813
TABLE LAMP
Leo Moss, Forest Hills, and Philip Ferrara, Brooklyn, N. Y.
Application April 18, 1950, Serial No. 9,286
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a table lamp, as shown.

163,814
PRAM SUIT
Clara A. Palmer, Duluth, Minn., assignor to North Shore Manufacturing Co., Duluth, Minn., a corporation
Application November 8, 1950, Serial No. 12,903
Term of patent 14 years
(Cl. D3—17)



The ornamental design for a pram suit, shown and described.

163,815
LINK CHAIN FOR A BRACELET OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 23, 1951, Serial No. 14,926
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a link chain for a bracelet or the like, substantially as shown.

163,816
LINK CHAIN FOR A BRACELET OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 23, 1951, Serial No. 14,927
Term of patent 7 years
(Cl. D45—16)



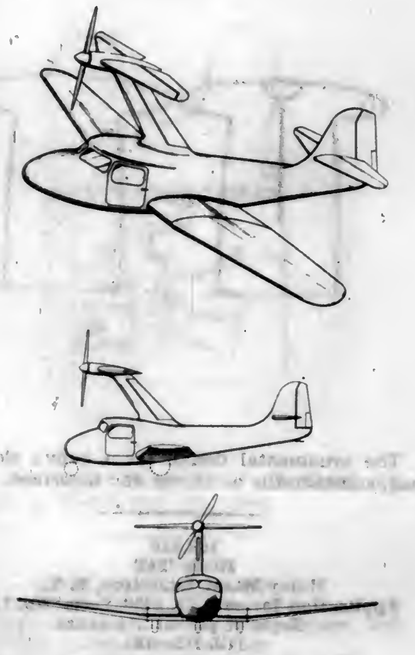
The ornamental design for a link chain for a bracelet or the like, substantially as shown.

163,817
LINK CHAIN FOR A NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 27, 1951, Serial No. 14,985
Term of patent 7 years
(Cl. D45—16)



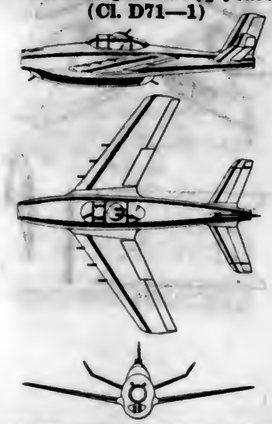
The ornamental design for a link chain for a necklace or the like, substantially as shown.

163,818
AIRPLANE
Humberto Villarreal Ramirez, Mexico City, Mexico
Application September 6, 1949, Serial No. 4,872
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, as shown and described.

163,819
AIRPLANE
Joseph C. Risico, Brooklyn, N. Y.
Application October 24, 1949, Serial No. 5,684
Term of patent 3½ years
(Cl. D71—1)



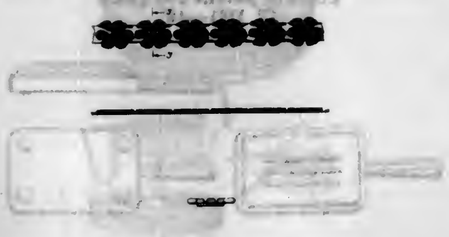
The ornamental design for an airplane, as shown.

163,820
FABRIC
Henry Rose, New York, N. Y.
Application December 12, 1950, Serial No. 13,288
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a fabric, as shown and described.

163,821
EMBROIDERED NARROW WOVEN FABRIC TRIMMING OR SIMILAR ARTICLE
Milton Rosenbaum, New York, N. Y.
Application November 4, 1950, Serial No. 12,848
Term of patent 3½ years
(Cl. D92—1)



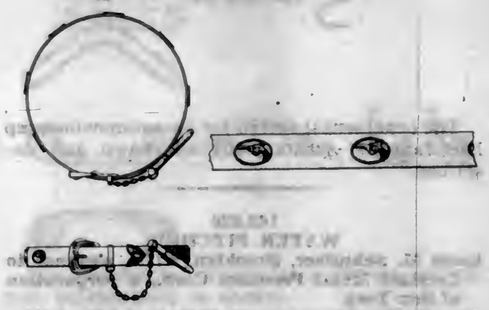
The ornamental design for an embroidered narrow woven fabric trimming or similar article, substantially as shown.

163,822
STRAPLESS BRASSIÈRE SLIP
Harold Roth, New York, N. Y.
Application April 27, 1950, Serial No. 9,525
Term of patent 14 years
(Cl. D3—26)



The ornamental design for a strapless brassière slip, substantially as shown and described.

163,823
COMBINED APPAREL BELT AND WRITING IMPLEMENT
Aaron Rothchild, Flushing, N. Y.
Application July 2, 1949, Serial No. 3,681
Term of patent 3½ years
(Cl. D3—10)



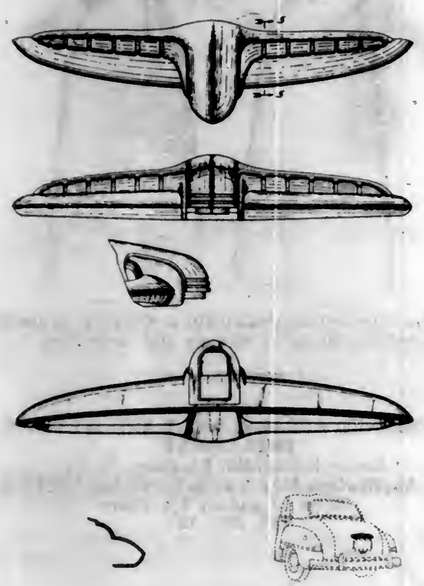
The ornamental design for a combined apparel belt and writing implement, substantially as shown.

163,824
DISPLAY ATTACHMENT FOR AUTOMOBILES
Martin Marx and Walter Deutschmann, New York, N. Y.
Application March 11, 1950, Serial No. 8,482
Term of patent 3½ years
(Cl. D14—6)



The ornamental design for a display attachment for automobiles, substantially as shown and described.

163,825
AUTOMOBILE LAMP LENS HOUSING
David E. Scott, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 7, 1950, Serial No. 9,034
Term of patent 7 years
(Cl. D48—32)



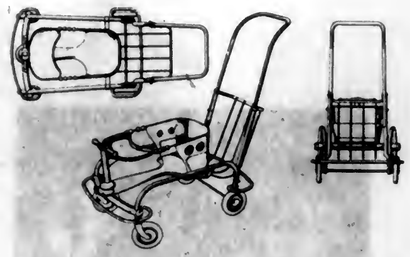
The ornamental design for an automobile lamp lens housing, substantially as shown and described.

163,826
WATER PITCHER
Louis M. Schnitzer, Brooklyn, N. Y., assignor to Everlast Metal Products Corp., a corporation of New York
Application November 21, 1949, Serial No. 6,170
Term of patent 14 years
(Cl. D44—21)



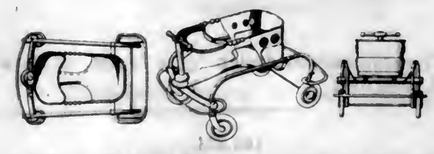
The ornamental design for a water pitcher, as shown.

163,827
BABY WALKER
Viktor Schreckengost, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 28, 1949, Serial No. 6,869
Term of patent 14 years
(Cl. D14—14)



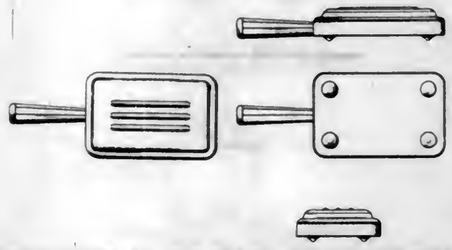
The ornamental design for a baby walker, substantially as shown.

163,828
BABY WALKER
Viktor Schreckengost, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 28, 1949, Serial No. 6,870
Term of patent 14 years
(Cl. D14—14)



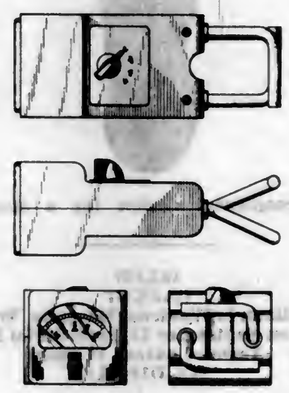
The ornamental design for a baby walker, substantially as shown.

163,829
ELECTRICAL APPLIANCE FOR DEFROSTING REFRIGERATORS
Clarence B. Schultz, Texarkana, Ark.
Application October 26, 1949, Serial No. 5,718
Term of patent 3½ years
(Cl. D81—10)



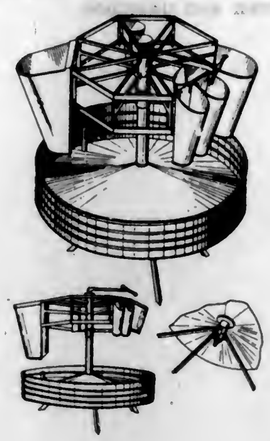
The ornamental design for an electrical appliance for defrosting refrigerators, as shown.

163,830
HOOK-ON INSTRUMENT FOR MEASURING A VARIABLE CHARACTERISTIC IN AN ELECTRIC POWER CONDUCTOR
Edmund O. Schweitzer, Jr., Northbrook, Ill., assignor to E. O. Schweitzer Manufacturing Co., Inc., Northbrook, Ill., a corporation of Illinois
Application August 10, 1949, Serial No. 4,383
Term of patent 14 years
(Cl. D52—1)



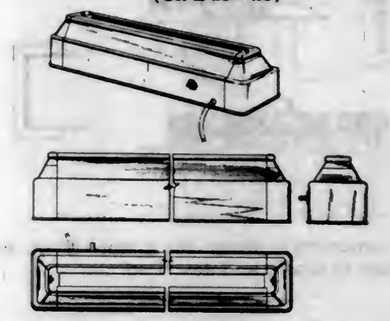
The ornamental design for a hook-on instrument for measuring a variable characteristic in an electric power conductor, as shown and described.

163,831
FOWL BLEEDER
Willie M. Shoffner, Dayton, Ohio
Application December 21, 1950, Serial No. 13,521
Term of patent 14 years
(Cl. D12—2)



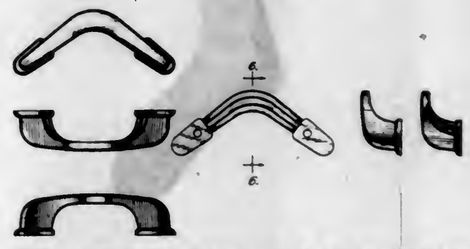
The ornamental design for a fowl bleeder, substantially as shown.

163,832
COMBINED LAMP HOUSING AND FILTER HOLDER FOR ULTRA-VIOLET LAMPS
George C. Smith and Catherine A. Hemsing, Los Angeles, Calif., assignors to Defiance Manufacturing Company, Inc., Los Angeles, Calif., a corporation of California
Application June 16, 1950, Serial No. 10,564
Term of patent 14 years
(Cl. D48—23)



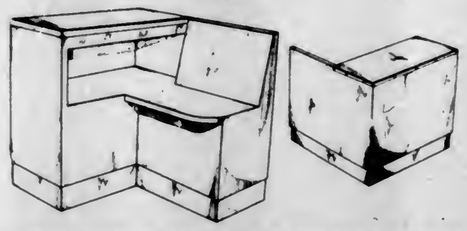
The ornamental design for a combined lamp housing and filter holder for ultra-violet lamps, as shown.

163,833
KITCHEN CABINET PULL
Roy A. Stone, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application March 7, 1950, Serial No. 8,373
Term of patent 7 years
(Cl. D10—8)



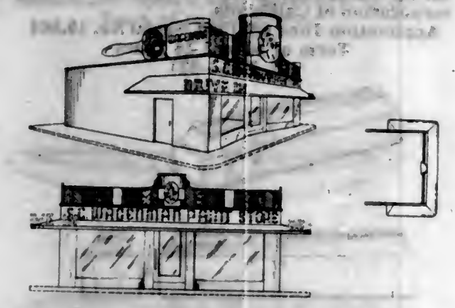
The ornamental design for a kitchen cabinet pull, substantially as shown.

163,834
TELEPHONE DESK
Oscar Torgerson, Portland, Oreg.
Application February 13, 1951, Serial No. 14,194
Term of patent 7 years
(Cl. D33—7)



The ornamental design for a telephone desk, as shown.

163,835
STORE FRONT
Samuel C. Wagenman, Cleveland, Ohio
Application December 22, 1950, Serial No. 13,537
Term of patent 14 years
(Cl. D18—1)



The ornamental design for a store front, substantially as shown and described.

163,836
STOCKING
Ralph H. Weinberg, Philadelphia, Pa.
Application March 24, 1950, Serial No. 8,756
Term of patent 3½ years
(Cl. D47—7)

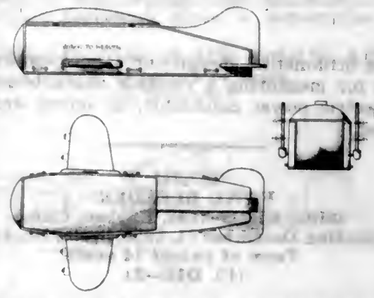


163,836—Continued



The ornamental design for a stocking, as shown.

163,837
CASKET
William L. Waldron, Mesquite, Tex.
Application September 24, 1949, Serial No. 5,165
Term of patent 14 years
(Cl. D19—1)



The ornamental design for a casket, substantially as shown and described.

July 10, 1951 Volume 648 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
CHARLES SAWYER, *Secretary*

U. S. Patent Office
JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Aceites Bau, S. A., Madrid, Spain. Olive oil. Serial No. 561,706, July 10. Class 46.

Ach, Eugene L., Cincinnati, Ohio. Toy kits for children. Serial No. 608,975, July 10. Class 22.

Ach, Eugene L., Cincinnati, Ohio. Toy shaving kits. Serial No. 612,057, July 10. Class 22.

Acousticraft Corporation, Chicago, Ill. Flash units. Serial No. 605,247, July 10. Class 26.

Adler Sons Shoe Corp., New York, N. Y. Leather shoes and insoles. Serial No. 575,829, July 10. Class 39.

Advertising Research Bureau, Inc., Seattle, Wash. Testing, analysis and reporting of the effectiveness of newspaper and radio advertising, etc. Serial No. 599,209, July 10. Class 100.

Airhart, Allen J., Lake Charles, La. Wild game calls. Serial No. 595,927, July 10. Class 22.

Aladdin Industries, Incorporated: *See*—
Mantle Lamp Company of America, The.

Alliance Color & Chemical Co., Newark, N. J. Azo dyestuffs. Serial Nos. 591,268–9, July 10. Class 6.

Allied Distributors, Pittsburgh, Pa. Mild powder, an autoclaved-hypoallergenic talc to be used topically in connection with the treatment of various dermatoses, etc. Serial No. 591,216, July 10. Class 18.

All Western Plastics, Inc., Scottsbluff, Nebr. Bandalore toy spinning tops. Serial No. 607,534, July 10. Class 22.

Almaden-Madrone Vineyards: *See*—
Madrone Vineyards.

American Twine & Fabric Corporation, Portsmouth, N. H. Woven paper fibre fabric. Serial No. 601,972, July 10. Class 42.

Ansbacher-Siegle Corporation, New York and Rosebank, N. Y. Colors for printing inks. Serial No. 603,099, July 10. Class 11.

Arrow Petroleum Co., Forest Park, Ill. Gun type fuel oil burners and parts thereof. Serial No. 556,503, July 10. Class 34.

Atlas Powder Company, Wilmington, Del. Synthetic polyester resins. Serial No. 604,832, July 10. Class 6.

Austria Tabakwerke Aktiengesellschaft Vorm. Oesterreichische Tabakregie, Vienna, Austria. Chewing tobacco, smoking tobacco, snuff tobacco, etc. Serial No. 570,469, July 10. Class 17.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Photoelectric cells and their actuating circuits and parts thereof. Serial No. 608,854, July 10. Class 21.

Barber, W. H., Company, Chicago, Ill. Defoliant and herbicide. Serial No. 608,737, July 10. Class 6.

Bayley Blower Company, West Allis, Wis. Fans. Serial No. 545,424, July 10. Class 34.

Bear Brand Hosiery Co., Chicago, Ill. Boys' and girls' hosiery. Serial No. 589,374, July 10. Class 39.

Beazley, Charles, doing business as Electronics Experimental (Electrex), Chicago, Ill. Electronic sleeping aids. Serial No. 596,825, July 10. Class 21.

Bell Enterprises, Santa Ana, Calif. Metal road barricade. Serial No. 578,253, July 10. Class 50.

Bergart, H. C., Co., Chicago, Ill. Fresh vegetables and fruits. Serial No. 585,989, July 10. Class 46.

Berkshire Knitting Mills, Wyomissing, Pa. Women's full-fashioned hosiery. Serial Nos. 593,213–15, July 10. Class 39.

Blanklette Corporation, New York, N. Y. Children's slippers. Serial No. 586,078, July 10. Class 39.

Borden Company, The, New York, N. Y. Product in dry, powdered form, consisting of a mechanical mixture of powdered egg yolk and powdered modified milk proteins for use in the preparation of foods. Serial No. 555,144, July 10. Class 46.

Borden Company, The, New York, N. Y. Ice cream stabilizers. Serial No. 603,108, July 10. Class 46.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. Serial No. 558,455, July 10. Class 39.

Bowley Mills, Fort Worth, Tex. Poultry feeds. Serial No. 520,855, July 10. Class 46.

Boyd, William, Beverly Hills, Calif. Toy imitation leather holsters and toy imitation leather cuffs. Serial No. 606,121, July 10. Class 22.

Boyd, William, Beverly Hills, Calif. Toy pistols. Serial No. 606,123, July 10. Class 22.

Boyd, William, Beverly Hills, Calif. Toy gun. Serial No. 606,125, July 10. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling pins. Serial No. 610,826, July 10. Class 22.

Buckeye Cotton Oil Company, The, Cincinnati, Ohio. Livestock feeds. Serial No. 589,820, July 10. Class 46.

Budinger, Robert F., doing business as The Northern Maple Company, Vulcan, Mich. Bowling pins. Serial No. 601,303, July 10. Class 22.

Burlington Mills Corporation, Greensboro, N. C. Men's, women's, and children's hosiery. Serial No. 597,578, July 10. Class 39.

Burlington Mills Corporation, Greensboro, N. C. Piece goods. Serial No. 603,109, July 10. Class 42.

Buttress & McClellan Inc., Los Angeles, Calif. Concrete buildings. Serial No. 596,898, July 10. Class 12.

Bux Brix Manufacturing Company, Portland, Oreg. Educational construction toy. Serial No. 591,767, July 10. Class 22.

California Consumers Corporation, Los Angeles, Calif. Frozen fresh vegetables. Serial No. 545,437, July 10. Class 46.

Calkins Manufacturing Company, Spokane, Wash. Weeding machines. Serial No. 559,831, July 10. Class 23.

Canfield, H. O., Co., The, Bridgeport, Conn. Plumbers' supply specialties. Serial No. 605,630, July 10. Class 13.

Captain Morgan Rum Distillers (Jamaica) Ltd., Kingston, Jamaica, British West Indies. Rum. Serial No. 573,164, July 10. Class 49.

Carson Pirie Scott & Company, Chicago, Ill. Women's suits, dresses, and coats. Serial No. 575,492, July 10. Class 39.

Catawba Hosiery Mills, Inc., Catawba, N. C. Women's, boys', girls', and infants' hosiery. Serial Nos. 601,490–1, July 10. Class 39.

Caulk, L. D., Company, The, Milford, Del. Methyl methacrylate monomer and methyl methacrylate polymer. Serial No. 602,822, July 10. Class 6.

Chase Protected Cultivation Limited, Chertsey and Shepperton, England. Compost activator. Serial No. 603,518, July 10. Class 10.

Childhood Interests, Inc., Roselle Park, N. J. Educational kindergarten toy. Serial No. 608,102, July 10. Class 22.

Ciba Limited, Basel, Switzerland. Coal-tar colors. Serial No. 604,767, July 10. Class 6.

Civic Company, Limited, The, London, England. Tobacco pipes. Serial No. 604,145, July 10. Class 8.

Cleveland Hobbing Machine Company, The, Euclid, Ohio. Hobbing machines. Serial No. 548,330, July 10. Class 23.

Cluett, Peabody & Co., Inc., Troy, N. Y. Men's and boys' underwear. Serial No. 602,363, July 10. Class 39.

Collins & Aikman Corporation, Philadelphia, Pa. Pile fabrics. Serial No. 602,438, July 10. Class 42.

Colorado Milling & Elevator Co., The, doing business under the style name of St. Anthony Flour Mills, Denver, Colo. Wheat flour. Serial No. 552,124, July 10. Class 46.

Compagnie Generale d'Electro-Ceramique, Paris, France. Electric condensers. Serial Nos. 600,419–20, July 10. Class 21.

Compco Corporation, Chicago, Ill. Portable suction-cup article-securing guards. Serial No. 583,590, July 10. Class 13.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical filters, interference eliminators and electrical capacitors. Serial No. 603,439, July 10. Class 21.

Coroaire Heater Corporation, The, Cleveland, Ohio. Electrically operated air conditioning units, etc. Serial No. 583,144, July 10. Class 34.

Cremix Company, Chicago, Ill. Ice milk mix. Serial No. 594,523, July 10. Class 46.

De Land, C. M., New York, N. Y. Woolen piece goods. Serial No. 599,228, July 10. Class 42.

Delta Products Company, Wilson, Ark. Vegetable shortening. Serial No. 594,107, July 10. Class 46.

Diamond Match Company, The, New York, N. Y. Wooden spoons and wooden forks. Serial No. 588,284, July 10. Class 23.

Dodge & Olcott, Inc., New York, N. Y. Chemical compositions. Serial No. 594,628, July 10. Class 6.

Dow Corning Corporation, Midland, Mich. Products for rendering fabrics water repellent. Serial No. 595,947, July 10. Class 6.

Dream Hosiery Mills, Inc., Baltimore, Md. Ladies' hosiery. Serial No. 598,295, July 10. Class 39.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds. Serial No. 602,501, July 10. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Mixtures of odorous essential oils and aromatic chemicals. Serial No. 603,441, July 10. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Synthetic resin formulation, used as a base, for the manufacture of printing inks. Serial No. 604,842, July 10. Class 11.

Duquesne Mine Supply Company, Millvale and Pittsburgh, Pa. Bolts, screws, chains, etc. Serial No. 580,877, July 10. Class 13.

Dzus Fastener Co., Inc., West Islip, N. Y. Quick-acting, self-locking fasteners, and fastener parts and accessories. Serial No. 586,798, July 10. Class 13.

Eagle Clothes, Inc., New York, N. Y. Women's clothing. Serial No. 587,145, July 10. Class 39.

Eans, R. Willard, trading and doing business under the name of Ross Tobacco Co., Petersburg, Va. Cigarettes. Serial No. 603,579, July 10. Class 17.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Sensitized photographic film. Serial No. 600,472, July 10. Class 26.

Ecusta Paper Corporation, Pisgah Forest, N. C. Bactericidal soda straw wrap paper. Serial No. 603,775, July 10. Class 37.

Ecusta Paper Corporation, Pisgah Forest, N. C. Bactericidal soda straw wrap paper. Serial No. 603,878, July 10. Class 37.

Edison, Thomas A., Incorporated, West Orange, N. J. Spark plug cores. Serial No. 608,203, July 10. Class 21.

Ehlers, Albert, Inc., Brooklyn, N. Y. Tea. Serial No. 560,609, July 10. Class 46.

Ehrhart-Conrad Company, Hanover, Pa. Canned vegetables, citrus fruit juices, vegetable juices, etc. Serial No. 521,003, July 10. Class 46.

Electronics Experimental (Electrex): *See*—
Beazley, Charles.

Elliott Paint & Varnish Company, Chicago, Ill. Liquid paints. Serial No. 529,241, July 10. Class 16.

Eriez Manufacturing Company, Erie, Pa. Non-electric magnetic separators. Serial No. 599,559, July 10. Class 21.

Esbeco Distilling Corporation, Stamford, Conn. Whiskey. Serial No. 570,199, July 10. Class 49.

Ferro Chemical Corporation, Bedford, Ohio. Surface active chemicals. Serial No. 591,078, July 10. Class 6.

Field, A. H. T., & Co., Ltd., Vancouver, British Columbia, Canada. Chemical compound. Serial No. 603,841, July 10. Class 6.

Fink Bros.: *See*—
Fink, Samuel.

Fink, Samuel, doing business as Fink Bros., Utica, N. Y. Ladies' hosiery. Serial No. 543,157, July 10. Class 39.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils, aromatic chemicals. Serial No. 603,053, July 10. Class 18.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Foods, Incorporated, New London, Wis. Pickles and pickle relish. Serial No. 602,255, July 10. Class 46.

Foote Mineral Company, Philadelphia, Pa. Manganese oxide. Serial No. 602,837, July 10. Class 6.

Frank's Market Garden: *See*—
Kouril, Frank, Jr.

Freeman Shoe Corporation, Beloit, Wis. Men's shoes. Serial No. 562,463, July 10. Class 39.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 603,446, July 10. Class 42.

Gamble-Skogmo, Inc., Minneapolis, Minn. Anti-freeze solution. Serial No. 603,058, July 10. Class 6.

Garrett & Company, Inc., Brooklyn, N. Y. Wines. Serial No. 551,558, July 10. Class 47.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Rye flour. Serial No. 538,743, July 10. Class 46.

Georgia Marble Company, The, Tate, Ga. Powdered calcium. Serial No. 603,525, July 10. Class 6.

Georgia Pecan Company, Cairo, Ga. Unshelled pecans. Serial No. 584,618, July 10. Class 46.

Gladding, B. F., & Co., Inc., South Otselic, N. Y. Fishing lines. Serial No. 606,606, July 10. Class 22.

Glendora Citrus Association, Glendora, Calif. Fresh citrus fruits. Serial No. 552,650, July 10. Class 46.

Grant Storage Battery Company, Minneapolis, Minn. Battery testers and battery hydrometers. Serial No. 592,146, July 10. Class 26.

Greatrex Ltd., New York, N. Y. Tobacco pouches, cigarette cases. Serial No. 598,360, July 10. Class 8.

Grocery Store Products Co., New York, N. Y. Alimentary paste products. Serial No. 588,577, July 10. Class 46.

Hadley, H. A., Associates, Incorporated, Burlington, Vt. Weighing scales. Serial No. 597,609, July 10. Class 26.

Hanline Bros., Baltimore, Md. Road marking paint. Serial No. 554,974, July 10. Class 16.

Hardesty, W. C., Company, Inc., New York, N. Y. Fatty acids. Serial No. 602,943, July 10. Class 6.

Hardware Mutual Casualty Company, Stevens-Point, Wis. Casualty and liability insurance. Serial No. 569,202, July 10. Class 102.

Hart Schaffner & Marx, Chicago, Ill. Men's suits. Serial No. 566,401, July 10. Class 39.

Hego Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 601,906, July 10. Class 42.

Herrman-McLean Company, The, Cleveland, Ohio. Feed for livestock. Serial No. 590,980, July 10. Class 46.

Hess, Dr., & Clark, Inc., Ashland, Ohio. Rodenticide. Serial No. 603,737, July 10. Class 6.

Hewlett-Packard Company, Palo Alto, Calif. Audio signal generators, square wave generators and audio oscillators. Serial No. 595,779, July 10. Class 26.

House of Old Molineaux, Inc., Boston, Mass. Wines. Serial No. 597,149, July 10. Class 47.

Huber, J. M., Corporation, Red Bank, N. J., and New York, N. Y. Carbon black. Serial No. 593,353, July 10. Class 6.

Huber, J. M., Corporation, Red Bank, N. J., and New York, N. Y. Printing inks. Serial No. 603,450, July 10. Class 11.

Hudson, J. L., Company, The, Detroit, Mich. Suits, trousers, knickers, etc. Serial No. 538,757, July 10. Class 39.

Hunt Foods, Inc., Fullerton and South Francisco, Calif. Macaroni and spaghetti. Serial No. 606,190, July 10. Class 46.

Hunter-Wilson Distilling Co., Inc., New York, N. Y. Distilled liquors. Serial No. 601,048, July 10. Class 49.

Hygrade Food Products Corporation, New York, N. Y. Frankfurters, smoked sausage, pigs feet, etc. Serial No. 546,391, July 10. Class 46.

Identacode, Ltd., Santa Monica, Calif. Providing means for the identification of lost or stolen dogs, etc. Serial No. 575,470, July 10. Class 100.

Independent Nail and Packing Company Inc., The, Bridgewater, Conn. Nails. Serial No. 572,975, July 10. Class 13.

Inland Fertilizer Co., Los Angeles, Calif. Animal and chemical fertilizers. Serial No. 603,329, July 10. Class 10.

Innes, Chambers & Company Limited, Peebles, Scotland. Piece goods. Serial No. 597,276, July 10. Class 42.

International Business Machines Corporation, New York, N. Y. Calculating machines, multiplying machines, dividing machines, etc. Serial No. 579,429, July 10. Class 26.

International Latex Corporation, Dover, Del. Bathing, beach and shower caps and baby pants. Serial No. 558,034, July 10. Class 39.

International Minerals & Chemical Corporation, Chicago, Ill. Potassium chloride. Serial No. 578,977, July 10. Class 6.

James, Emanuel M., doing business as Service Poultry Market, Chicago, Ill. Dressed poultry. Serial No. 562,936, July 10. Class 46.

Jayrich Footwear Co., Lynn, Mass. Shoes. Serial No. 566,588, July 10. Class 39.

Johns-Manville Corporation, New York, N. Y. Drapery fabrics. Serial No. 598,481, July 10. Class 42.

Just-B-Tween Dress Manufacturing Co., Tyler, Tex. Dresses. Serial No. 581,530, July 10. Class 39.

Kanner, Joseph, Hat Co., Inc., South Norwalk, Conn. Men's hats. Serial No. 515,430, July 10. Class 39.

Kelling Nut Co., The, Chicago, Ill. Salted nuts. Serial No. 602,701, July 10. Class 46.

Kent-Moore Organization, Inc., Detroit, Mich. Gauges. Serial No. 577,125, July 10. Class 26.

Kings County Packing Company, Ltd., San Francisco, Calif. Canned fruits and canned vegetables. Serial No. 602,408, July 10. Class 46.

Kouril, Frank, Jr., doing business as Frank's Market Garden, Springfield, Mass. Insecticides. Serial No. 604,725, July 10. Class 6.

Kuhl, Peter J., Racine, Wis. Fish stringers. Serial No. 594,224, July 10. Class 22.

La France Industries, New York, N. Y. Cut pile fabrics, loop pile fabrics, tapestries, etc. Serial No. 560,901, July 10. Class 42.

La Monte, George & Son, Nutley, N. J. Safety paper. Serial No. 592,265, July 10. Class 37.

Lee Rubber and Tire Corporation, Conshohocken, Pa. Pneumatic tires. Serial No. 605,041, July 10. Class 35.

Lehon Company, The, Chicago, Ill. Banners, bird houses, door mats, etc. Serial No. 520,750, July 10. Class 50.

Lesnick, Louis, and Son, Philadelphia, Pa. Men's trousers. Serial No. 565,789, July 10. Class 39.

Levitas, Harry, Inc., New York, N. Y. Separable slide fasteners. Serial No. 605,662, July 10. Class 13.

Littonian Shoe Co., Littlestown, Pa. Infants' shoes. Serial No. 587,114, July 10. Class 39.

Lusk, C. F., Company: *See*—
Lusk, Charles F.

Lusk, Charles F., doing business as C. F. Lusk Company, Cleveland, Ohio. Sealing compounds. Serial No. 581,198, July 10. Class 6.

Mack Brothers Manufacturing Company, assignor to Wen-Mac Corporation, Beverly Hills, Calif. Toy airplanes, parts and accessories. Serial No. 603,372, July 10. Class 22.

Madrone Vineyards, doing business as Almaden-Madrone Vineyards and Nob Hill Vintners, Madrone, Calif. Wines. Serial No. 609,042, July 10. Class 47.

Maltex Company, Burlington, Vt. Breakfast cereal. Serial No. 587,641, July 10. Class 46.

Manley, Inc., Kansas City, Mo. Popped and buttered popcorn, and for salt. Serial No. 569,386, July 10. Class 46.

Mantle Lamp Company of America, The, Chicago, Ill., now by change of name Aladdin Industries, Incorporated. Incandescant mantles and chimneys. Serial No. 554,317, July 10. Class 34.

Marrow Manufacturing Co., assignor to Marrow Mfg. Corp., New York, N. Y. Artificial flowers. Serial No. 597,407, July 10. Class 40.

Marrow Mfg. Corp., assignee: *See*—
Marrow Manufacturing Co.

McGraw Electric Company, Chicago, Ill. Electrical protective equipment. Serial No. 591,994, July 10. Class 21.

Mead Johnson & Company, Evansville, Ind. Liquid food preparation. Serial No. 583,093, July 10. Class 46.

Melrose Chemical Co.: *See*—
Warr, James.

Melrose Chemical Corp. *See*—
Warr, James.

Memphis Metal Mfg. Co., Inc., Memphis, Tenn. Stationary mechanical exercisers. Serial No. 607,438, July 10. Class 22.

Miller, Clyde, doing business as Western Meat Distributors, and also doing business as Western Meat Dist. Co., Los Angeles, Calif. Chopped frozen horse meat. Serial No. 586,492, July 10. Class 46.

Mills Industries, Incorporated, Chicago, Ill. Vending machines. Serial No. 599,519, July 10. Class 23.

Miniature Train Co., Rensselaer, Ind. Miniature railroads and miniature rail equipment. Serial No. 597,773, July 10. Class 22.

Minick, Glenn C., doing business under the name Sunbeam Products, St. Petersburg, Fla. Towels. Serial No. 607,439, July 10. Class 42.

Mister Short Company, The, Chicago, Ill. Under shorts. Serial No. 566,414, July 10. Class 39.

Mobile Paint Manufacturing Company of Delaware, Inc., trading as Mobile Varnish Works, Wilmington, Del., and Mobile, Ala. One-coat flat wall paint. Serial No. 538,430, July 10. Class 16.

Mobile Varnish Works: *See*—
Mobile Paint Manufacturing Company of Delaware, Inc.

Monsanto Chemical Company, St. Louis, Mo. Organic and inorganic chemicals and synthetic resins and plastics. Serial No. 594,277, July 10. Class 6.

Montag Stove & Furnace Works, Portland, Oreg. Automatic oil burning warm air furnace. Serial No. 589,165, July 10. Class 34.

N. V. Brouwerij d'Oranjeboom, Rotterdam, Netherlands. Beer. Serial No. 560,536, July 10. Class 48.

Naaml. Venn. Distilleerderij, Likeurstokerij, Limonade-En Extractenfabriek Van C. Polak Gzn., Groningen, Netherlands. Syrups for fruit flavored non-alcoholic maltless soft drinks, etc. Serial No. 574,155, July 10. Class 45.

National Catalytic Battery Company, St. Paul, Minn. Wet batteries. Serial No. 586,360, July 10. Class 21.

Nebraska Boiler and Supply Co., The, Lincoln, Nebr. Steam boilers. Serial No. 610,223, July 10. Class 34.

Nethercutt, Jack B., doing business as Nethercutt Laboratories, Santa Monica, Calif. Frangible targets. Serial No. 593,010, July 10. Class 22.

Nethercutt Laboratories: *See*—
Nethercutt, Jack B.

New Holland Machine Company, doing business as New Holland Metals Company, New Holland and Mountville, Pa. Telescopically adjustable metallic props. Serial No. 576,467, July 10. Class 24.

New Holland Metals Company: *See*—
New Holland Machine Company.

New York Coal Sales Company, Columbus, Ohio. Fresh apples. Serial No. 572,863, July 10. Class 46.

Nicholson, H. R., Company, The, trading as The Syrup Products Company, Baltimore, Md. Chemical clouding preparation for use in making non-alcoholic maltless soft drinks. Serial No. 583,407, July 10. Class 45.

Nob Hill Vintners: *See*—
Madrone Vineyards.

Norcross, Sterling E., Bloomfield, N. J. Advertising service. Serial No. 569,092, July 10. Class 101.

Northern Maple Company, The: *See*—
Budinger, Robert F.

Nuchief Sales, Inc., Wenatchee, Wash., by change of name from Washington Sales, Inc. Fresh apples. Serial No. 575,506, July 10. Class 46.

Nye-Wait Company, Inc., Auburn, N. Y. Textile rugs and carpets. Serial No. 603,595, July 10. Class 42.

Orange Smile Sirup Company, St. Louis, Mo. Nonalcoholic maltless beverages. Serial No. 602,852, July 10. Class 45.

Owens-Corning Fiberglas Corporation, Toledo, Ohio. Fabrics. Serial No. 602,565, July 10. Class 42.

Ozmun and Company, Lawton, Okla. Grape juice. Serial No. 602,329, July 10. Class 45.

Park, Tracy S., Houston, Tex. Golf clubs. Serial No. 602,331, July 10. Class 22.

Patentry Company, Inc., The, Jamaica, N. Y. Miter boxes. Serial No. 555,071, July 10. Class 23.

Paul, J. C., & Co., Chicago, Ill. Sterilizing material. Serial No. 603,457, July 10. Class 6.

Pedrol, Manuel, Sociedad Anonima, Tarragona, Spain. Olive oil. Serial No. 550,066, July 10. Class 46.

Pflueger, Wallace V., doing business as The Smo-Kerchief Company, St. Louis, Mo. Cigarette filters. Serial No. 603,853, July 10. Class 8.

Photochart, Hollywood, Calif. Cameras. Serial No. 574,727, July 10. Class 26.

Photo Research Corp., San Fernando, Calif. Optical lens attachment. Serial No. 575,016, July 10. Class 26.

Plax Corporation, West Hartford, Conn. Polyethylene bottles, and tubing. Serial No. 568,976, July 10. Class 2.

Portable Electric Tools, Inc., Chicago, Ill. Electrically operated apparatus and tools. Serial No. 602,214, July 10. Class 21.

Post, Frederick, Company, The, Chicago, Ill. White, black and colored drawing inks; blue print writing fluid; and block out ink. Serial No. 607,495, July 10. Class 11.

Powers Regulator Company, The, Chicago, Ill. Fluid mixing valves; air mixing valves; pressure regulators and reducing valves; etc. Serial No. 562,084, July 10. Class 13.

Procter & Gamble Company, Cincinnati, Ohio. Salad oil. Serial No. 543,986, July 10. Class 46.

Production Engineering Company: *See*—
U. S. Die Casting and Manufacturing Company.

Puccinelli Packing Company, Turlock, Calif. Dried and dehydrated fruits; dehydrated vegetables; canned fruits; etc. Serial No. 556,815, July 10. Class 46.

Puplill, Charles, Blanford, Ind. Farm fencing and gates. Serial No. 595,736, July 10. Class 13.

Purity Bakeries Corporation, Chicago, Ill. Cakes and doughnuts. Serial No. 603,379, July 10. Class 46.

Queen Knitting Mills, Philadelphia, Pa. Women's strapless halters. Serial No. 584,012, July 10. Class 39.

Quintard Fabrics, Inc., New York, N. Y. Velveteen fabrics. Serial No. 601,566, July 10. Class 42.

Ramie Products Corp., Pittsburgh, Pa. Woven netted fabrics. Serial No. 599,780, July 10. Class 42.

Ramsey Popcorn Co., Ramsey, Ind. Unpopped popcorn. Serial No. 584,871, July 10. Class 46.

Recker, O. R., doing business as O. R. Recker Packing Co., Phoenix, Ariz. Fresh lettuce and fresh cantaloupes. Serial No. 604,661, July 10. Class 46.

Recker, O. R., Packing Co.: *See*—
Recker, O. R.

Red Lane Calcareous Sinter Co. Inc., Thermopolis, Wyo., and Billings, Mont. Fertilizer. Serial No. 600,974, July 10. Class 10.

Reynolds, Arthur W., Newton, Conn. Hangers. Serial No. 581,830, July 10. Class 13.

Richey & Gilbert Company, doing business under the name Snow Mountain Orchard, Yakima, Wash. Gift packages of fresh apples or of fresh pears. Serial No. 604,931, July 10. Class 46.

Rochester Manufacturing Company, Inc., Rochester, N. Y. Electrically operated visual warning signals and parts therefor. Serial No. 605,116, July 10. Class 21.

Rockville Fabrics Corp., New York, N. Y. Fabrics in the piece. Serial No. 602,717, July 10. Class 42.

Roegelein Provision Company, San Antonio, Tex. Fresh, canned, and cured ham, fresh pork, bacon, etc. Serial No. 587,287, July 10. Class 46.

Rola Extract Company: *See*—
Rothstein, Matthias.

Roneo Limited, London, England. Stationery folders, guide cards, tabs, etc. Serial No. 590,284, July 10. Class 37.

Ross Bait Manufacturing Co., The, Akron, Ohio. Artificial fish lure. Serial No. 610,525, July 10. Class 22.

Ross Laboratories: *See*—
Ross, Leo.

Ross, Leo, doing business as Ross Laboratories, Los Angeles, Calif. Household deodorant. Serial No. 603,165, July 10. Class 6.

Ross Tobacco Co.: *See*—
Eans, R. Willard.

Rothstein, Matthias, doing business as Rola Extract Company, Erie, Pa. Non-alcoholic maltless soft drinks. Serial No. 594,495, July 10. Class 45.

Royal Tops Mfg. Co., Long Island City, N. Y. Tops. Serial No. 600,083, July 10. Class 22.

Rubber Corporation of California, The, Garden Grove, Calif. Rubber and rubber-canvas boots, shoes, athletic shoes, etc. Serial No. 586,654, July 10. Class 39.

St. Anthony Flour Mills: *See*—
Colorado Milling & Elevator Co., The.

Sandusky Foundry & Machine Co., Sandusky, Ohio. Metal rolls for paper-making machinery; parts of marine machinery, etc. Serial No. 604,450, July 10. Class 23.

Sanson Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. Serial Nos. 602,000–1, July 10. Class 39.

Scharringhausen Pharmacy, Park Ridge, Ill. Lecithin preparation. Serial No. 602,288, July 10. Class 6.

Schiff Company, The, Columbus, Ohio, now by change of name Shoe Corporation of America. Shoes. Serial No. 502,336, July 10. Class 39.

Schneider, Lou, Inc., New York, N. Y. Misses' coats and suits. Serial No. 516,507, July 10. Class 39.

Schwartz Manufacturing Company, Two Rivers, Wis. Milk filter discs. Serial No. 606,394, July 10. Class 31.

Seagram, Joseph E., & Sons, Inc., New York, N. Y. Alcoholic beverages. Serial No. 598,929, July 10. Class 49.

Sears, Roebuck and Co., Chicago, Ill. Water supply systems, pump cylinders and pump valves. Serial No. 550,448, July 10. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Time operated electric switches. Serial No. 581,092, July 10. Class 26.

Sears, Roebuck and Co., Chicago, Ill. Automobile door locks, locking gas tank caps. Serial No. 586,318, July 10. Class 25.

See Fabriks Aktiebolag, Sandviken, Sweden. Sporting articles. Serial No. 577,992, July 10. Class 22.

Seneca Falls Machine Company, Seneca Falls, N. Y. Lathes. Serial No. 554,263, July 10. Class 23.

Service Poultry Market: *See*—
James, Emanuel M.
Shell Chemical Corporation, New York, N. Y. Herbicide. Serial No. 604,935, July 10. Class 6.
Shell Oil Company, assignee: *See*—
Shell Oil Company, Incorporated.
Shell Oil Company, Incorporated, San Francisco, Calif., assignor to Shell Oil Company, New York, N. Y. Furniture polish. Serial No. 554,429, July 10. Class 4.
Shirley Corporation, Indianapolis, Ind. Kitchen cabinets. Serial No. 606,054, July 10. Class 13.
Shoe Corporation of America: *See*—
Schiff Company, The.
Simowitz, S & J, Inc., Augusta, Ga. Ladies' hosiery. Serial No. 581,298, July 10. Class 39.
Skookum Packers Association, Wenatchee, Wash. Fresh apples. Serial No. 550,266, July 10. Class 46.
Smith & Underwood, Royal Oak, Mich. Clip fasteners for securing cloth wrappings around surgical pads during sterilization. Serial No. 578,540, July 10. Class 44.
Smo-Kerchief Company, The: *See*—
Pfueger, Wallace V.
Snow Mountain Orchard: *See*—
Richey & Gilbert Company.
Snyder Chemical Company, Inc., The, Topeka, Kans. Fertilizers. Serial No. 597,857, July 10. Class 10.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Liquid aromatic petroleum oil. Serial No. 604,749, July 10. Class 6.
Spire Records Company, Inc., Chicago, Ill. Mechanically grooved phonograph records. Serial No. 558,175, July 10. Class 36.
Sport-Craft, Inc., New York, N. Y. Ladies' and misses' dresses, dress ensembles, blouses, etc. Serial No. 584,551, July 10. Class 39.
Sprague Electric Company, North Adams, Mass. Electrical condensers. Serial No. 607,772, July 10. Class 21.
Sprague Electric Company, North Adams, Mass. Resistors. Serial No. 607,773, July 10. Class 21.
Sprague Electric Company, North Adams, Mass. Electrical condensers. Serial Nos. 607,774–8, July 10. Class 21.
Standard Laundry Company, Jersey City, N. J. Cleaning of pillows, mattresses, furs, etc. Serial No. 599,275, July 10. Class 103.
Standard Pipeprotection Inc., St. Louis, Mo. Treating metal pipe for protecting it against rust and corrosion. Serial No. 594,862, July 10. Class 106.
Steinberg, Charles A., Inc., New York, N. Y. Men's, young men's, and students' suits, overcoats, topcoats, etc. Serial No. 547,371, July 10. Class 39.
Stephano Brothers, Philadelphia, Pa. Cigarettes. Serial No. 604,499, July 10. Class 17.
Straight Whiskey Distilling Company of America, The, New York, N. Y. Whiskey. Serial No. 580,630, July 10. Class 49.
Stream Line Products, Inc., Meadows, Ill. Artificial fishing lures. Serial No. 591,525, July 10. Class 22.
Sunbeam Products: *See*—
Minick, Glenn C.
Supreme Feed Mills, Glasgow, Ky. Livestock feed. Serial No. 604,330, July 10. Class 46.
Supreme Sales Co., Los Angeles, Calif. Containers for holding playing-cards. Serial No. 591,206, July 10. Class 22.
Switzer Brothers, Inc., Cleveland, Ohio. Ribbons, gorings, braidings, etc. Serial No. 577,618, July 10. Class 40.
Sylvania Electric Products Inc., New York, N. Y. Cathode ray tubes. Serial No. 607,271, July 10. Class 21.
Syrup Products Company, The: *See*—
Nicholson, H. R., Company, The.
Talk-A-Phone Co., Chicago, Ill. Selector mechanism. Serial No. 587,980, July 10. Class 21.
Tee-Chum Enterprises, Pittsburgh, Pa. Mechanical doll. Serial No. 605,180, July 10. Class 22.
Tempo Record Company of America, Hollywood, Calif. Mechanically grooved phonograph records. Serial No. 605,335, July 10. Class 36.
Terrytoons, Inc., New Rochelle, N. Y. Series of motion picture animated cartoons. Serial No. 576,082, July 10. Class 26.
Traub-Lyons-Oppenheim, Inc., New York, N. Y. Piece goods. Serial No. 603,946, July 10. Class 42.
Union Carbide and Carbon Corporation, New York, N. Y. Synthetic organic resins and synthetic organic resin compositions, etc. Serial No. 578,544, July 10. Class 6.
United Conditioning Corporation, New York, N. Y. Air conditioning units. Serial No. 589,538, July 10. Class 34.
United States Automatic Box Machinery Co., Inc., Boston and Roslindale, Boston, Mass. Package filling machines. Serial No. 586,713, July 10. Class 23.
U. S. Die Casting and Manufacturing Company, doing business under the fictitious name and style of Production Engineering Company, Berkeley, Calif. Foot operated propelling device. Serial No. 605,337, July 10. Class 19.
Usian, Incorporated, Spring Valley, N. Y. Fishing rods. Serial No. 603,868, July 10. Class 22.
Vogtmann, John M., doing business under the name and style Wenonah Flouring Mills, Bay City, Mich. Pastry flour. Serial No. 604,875, July 10. Class 46.
W. Goebel Porzellanfabrik Oeslau und Wilhelmsfeld, Oeslau Bei Coburg, Germany. Earthenware figures and wall plaques. Serial No. 608,970, July 10. Class 50.
Walker, Joseph B., Hollywood, Calif. Photographic lenses. Serial No. 585,730, July 10. Class 26.
Waller, Harry, Baltimore, Md. High pressure atomizing oil burner. Serial No. 537,524, July 10. Class 34.
Ward Leonard Electric Company, Mount Vernon, N. Y. Electric resistive devices. Serial No. 597,964, July 10. Class 21.
Warr, James, doing business as Melrose Chemical Co., Melrose, Mass., assignor to Melrose Chemical Corp. Chemical preparations. Serial No. 582,332, July 10. Class 6.
Wasco Flashing Co., Cambridge, Mass. Skylight units. Serial No. 607,464, July 10. Class 12.
Washington Sales, Inc.: *See*—
Nuchief Sales, Inc.
Waterbury Companies, Incorporated, Waterbury, Conn. Custom molding of plastic and metal products. Serial No. 550,633, July 10. Class 106.
Waterbury Tack Company, Inc., The, Shelton, Conn. Thumb tacks. Serial No. 576,434, July 10. Class 13.
Waukegan Baby Seat Co., Inc., Waukegan, Ill. Auxiliary toilet seats. Serial No. 602,296, July 10. Class 13.
Wellite Corporation, Tulsa, Okla. Light-weight additives for drilling fluids. Serial No. 593,954, July 10. Class 6.
Wen-Mac Corporation, assignee: *See*—
Mack Brothers Manufacturing Company.
Wenonah Flouring Mills: *See*—
Vogtmann, John M.
Western Meat Dist. Co.: *See*—
Miller, Clyde.
Western Meat Distributors: *See*—
Miller, Clyde.
Westphal, Adolph, River Forest, Ill. Nonalcoholic, noncereal, maltless beverages. Serial No. 578,749, July 10. Class 45.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. Serial No. 604,675, July 10. Class 46.
Wine Growers Guild, Lodi, Calif. Wines. Serial No. 577,836, July 10. Class 47.
Winston and Newell Company, Minneapolis, Minn., and Wilmington, Del. Coffee. Serial No. 546,809, July 10. Class 46.
Wright, Russell L., Santa Rosa, Calif. Manipulative disk chart. Serial No. 583,419, July 10. Class 26.
Yoder Manufacturing Company, Los Angeles, Calif. Manually operated pneumatic toy horns. Serial No. 572,285, July 10. Class 22.

LIST OF REGISTRANTS OF TRADE-MARKS

Academie Scientifique de Beaute, Paris and Colombes, France. Perfume, rouge, toilet water, etc. 544,908, July 10; Serial No. 597,721, published Apr. 17, 1951. Class 51.

Acritex, Inc., New York, N. Y. Canvases. 544,933, July 10; Serial No. 599,544, published Apr. 17, 1951. Class 50.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. 544,824, July 10; Serial No. 587,166, published Apr. 3, 1951. Class 39.

Advance Pattern Co., Inc., New York, N. Y. Paper dress patterns. 544,792, July 10; Serial No. 579,777, published Mar. 6, 1951. Class 26.

Albert, Inc., Chicago, Ill. Women's, misses', and junior misses' or girls' undergarments. 544,811, July 10; Serial No. 585,412, published Apr. 17, 1951. Class 39.

Alberts, W.: *See*—
Alberts, William.

Alberts, William, doing business as W. Alberts, Omaha, Nebr. Appliance covers. 544,754, July 10; Serial No. 570,401, published Apr. 17, 1951. Class 50.

Allegheny Ludlum Steel Corporation: *See*—
Ludlum Steel Co.

Allied Confections, Inc., New York, N. Y. Candies. 544,779, July 10; Serial No. 577,161, published Mar. 20, 1951. Class 46.

Allied Mills, Inc., Chicago, Ill. Bland proteinaceous powder produced from soybean flakes. 544,984, July 10; Serial No. 583,019. Class 46.

Allison, Wm. M., & Co., New York, N. Y. Pistachio nuts. 544,757, July 10; Serial No. 570,816, published Mar. 20, 1951. Class 46.

American Art Clay Company, Indianapolis, Ind. Modeling clay, clay flour, moist clay, etc. 285,067, renewed July 14, 1951. O. G. July 10. Class 1.

American Food Laboratories, Inc., Brooklyn, N. Y. Compound, powder or mix, adapted for use in the manufacture of frozen desserts. 544,803, July 10; Serial No. 583,583, published Mar. 20, 1951. Class 46.

American Khellin Corporation, New York, N. Y. Preparation used as a stimulant of the mammary glands. 544,914, July 10; Serial No. 598,056, published Apr. 3, 1951. Class 18.

American Machine and Metals, Inc., New York, N. Y., and East Moline, Ill. Laundry folding machines. 544,957, July 10; Serial No. 607,410, published Apr. 17, 1951. Class 24.

American Neviol Sign Company, Fort Worth, Tex. Display signs. 544,850, July 10; Serial No. 591,540, published Apr. 17, 1951. Class 50.

American Rolling Mill Company, The: *See*—
Armco Steel Corporation.

American Stores Company: *See*—
Wilkinson, Gaddis & Co.

American Stores Company, Philadelphia, Pa. Butter. 287,206, renewed Sept. 15, 1951. O. G. July 10. Class 46.

American Time Corporation, Springfield, Mass. Reset timers. 544,759, July 10; Serial No. 570,998, published Apr. 10, 1951. Class 26.

Ames, Elizabeth, Incorporated, New York, N. Y. Perfume atomizers. 544,731, July 10; Serial No. 557,716, published Apr. 10, 1951. Class 44.

Anglo Fabrics Company, Inc., New York, N. Y. Woolen and worsted piece goods. 545,003, July 10; Serial No. 595,753. Class 42.

Archer Rubber Company, Milford, Mass. Rubber sheeting, rubber crib sheeting and rubber blankets. 544,728, July 10; Serial No. 551,677, published Apr. 17, 1951. Class 50.

Ark Bakers, Inc., Wichita, Kans., assignor to C. J. Patterson Company, Kansas City, Mo. Bread. 544,724, July 10; Serial No. 550,769, published Apr. 17, 1951. Class 46.

Arlington Chemical Co., The, to The Arlington Chemical Company, Yonkers, N. Y. Liquid nutritive and remedial compound. 82,746, re-renewed July 25, 1951. O. G. July 10. Class 18.

Arlington Chemical Company, The: *See*—
Arlington Chemical Co., The.

Armco Steel Corporation, Middletown, Ohio, by change of name from The American Rolling Mill Company. Specially prepared ferrous metal products. 544,709, July 10; Serial No. 527,737, published Apr. 10, 1951. Class 12.

Armour and Company, Chicago, Ill. Carcass beef, lamb, and veal; etc. 544,712, July 10; Serial No. 531,976, published Feb. 27, 1951. Class 46.

Armour and Company, doing business as Armour Creameries, Chicago, Ill. Butter. 544,713, July 10; Serial No. 531,980, published Apr. 17, 1951. Class 46.

Armour Creameries: *See*—
Armour and Company.

Armstrong Cork Company, Lancaster, Pa. Linoleum. 282,992, renewed May 12, 1951. O. G. July 10. Class 20.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. 376,200, Mar. 12, 1940. Canceled June 5, 1951. O. G. July 10. Class 19.

Arnold Tackle Corporation, The, Paw Paw, Mich. Artificial bait. 545,015, July 10; Serial No. 603,710. Class 22.

Arrowhead, Inc., Denver, Colo. Photographic equipment. 544,715, July 10; Serial No. 535,214, published Mar. 27, 1951. Class 26.

Arrow Petroleum Company, Forest Park, Ill. Fuel oil, range oil. 544,856, July 10; Serial No. 592,355, published Jan. 9, 1951. Class 15.

Arrowood, S. D., & Co., Incorporated, New York, N. Y. Hosiery for women and girls. 544,999, July 10; Serial No. 593,773. Class 39.

Avica Corporation, Portsmouth, R. I., by change of name from Avico Incorporated. Flexible hose assemblies. 544,777, July 10; Serial No. 576,680, published Apr. 3, 1951. Class 35.

Avico Incorporated: *See*—
Avica Corporation.

Babbitt, B. T., Inc.: *See*—
Baldwin, Ada.

Babson Bros. Co., Chicago, Ill. Vacuum testing apparatus. 544,783, July 10; Serial No. 577,932, published Mar. 20, 1951. Class 26.

Bacon Banjo Co., Inc., Groton, Conn., to The Fred. Gretsch Manufacturing Co., Brooklyn, N. Y. Banjo. 286,572, renewed Sept. 1, 1951. O. G. July 10. Class 36.

Baker & Company, Incorporated, Newark, N. J. Electrical thermolytic apparatus. 544,905, July 10; Serial No. 597,315, published Mar. 20, 1951. Class 26.

Baldwin, Ada, Philadelphia, Pa., to B. T. Babbitt, Inc., New York, N. Y. Cleansing and polishing compounds. 287,077, renewed Sept. 15, 1951. O. G. July 10. Class 4.

Ball, F. M., & Company, Oakland, Calif. Canned fruits. 544,720, July 10; Serial No. 540,630, published Feb. 13, 1951. Class 46.

Ballard & Ballard Co., Louisville, Ky. Wheat-flour. 544,865, July 10; Serial No. 593,460, published Feb. 27, 1951. Class 46.

Barnett & Foster, to Barnett & Foster, Limited, London, England. Concentrated brewed ginger beer. 282,155, renewed Apr. 14, 1951. O. G. July 10. Class 45.

Barnett & Foster, Limited: *See*—
Barnett & Foster.

Barton Salt Company, The, Hutchinson, Kans. Salt. 544,961, July 10; Serial No. 535,460. Class 46.

Batchelor, Freda, Hamtramck, Mich. Hairdressing preparations. 544,955, July 10; Serial No. 601,531, published Apr. 10, 1951. Class 51.

Bath Canning Company, Bath, Maine. Canned sardines. 544,900, July 10; Serial No. 597,120, published Mar. 6, 1951. Class 46.

Behr-Manning Corporation, Watervliet and Troy, N. Y. Pile fabrics. 398,583, Nov. 10, 1942. Canceled May 22, 1951. O. G. July 10. Class 42.

Belding Corticelli: *See*—
Belding Heminway Company, Inc.

Belding Heminway Company, Inc., doing business under the name of Belding Corticelli, New York, N. Y. Thread. 544,870, July 10; Serial No. 594,354, published Apr. 10, 1951. Class 43.

Belvidere Creations, Inc., Seattle, Wash. Cosmetics. 544,860, July 10; Serial No. 592,750, published Apr. 10, 1951. Class 51.

Bendix Aviation Corporation, Detroit, Mich., and Teterboro, N. J. Electrical test equipment and apparatus. 544,718, July 10; Serial No. 539,257, published Apr. 3, 1951. Class 26.

Benwell Corporation, Detroit, Mich. Wall and crack fillers and caulking compounds. 544,798, July 10; Serial No. 581,164, published Apr. 17, 1951. Class 12.

Bestwest Produce Co.: *See*—
Laskin, Maurie.

Bialac, Marian, Inc., New York, N. Y. Perfumes. 544,714, July 10; Serial No. 532,982, published Mar. 21, 1950. Class 51.

Bishop, Howard B., doing business as Kotal Company, Summitt, N. J. Chemical compositions used in the construction of bituminous pavement. 544,767, July 10; Serial No. 573,610, published Apr. 10, 1951. Class 12.

Blaisdell, George G., doing business as Zirg Laboratories, Bradford, Pa. Preparation for preventing suntan peeling. 544,949, July 10; Serial No. 600,643, published Mar. 27, 1951. Class 51.

Blanchet, Maurice, Parfums de Luxe Societe Anonyme, Paris, France. Perfumes and cologne. 544,785, July 10; Serial No. 578,350, published Apr. 17, 1951. Class 51.

Blauner's, Philadelphia, Pa. Women's and children's hosiery. 544,839, July 10; Serial No. 589,824, published Apr. 17, 1951. Class 39.

Blum's, San Francisco, Calif. Candy. 544,773, July 10; Serial No. 574,888, published Mar. 20, 1951. Class 46.

Blum's, San Francisco, Calif. Candy. 544,971, July 10; Serial No. 569,244. Class 46.

Bobrick Manufacturing Corporation, Los Angeles, Calif. Liquid soap dispensers. 286,750, renewed Sept. 1, 1951. O. G. July 10. Class 13.

Bolgar, Jose, Buenos Aires, Argentina. Canned, cooked ham, canned pate de foie, canned corn beef, etc. 544,960, July 10; Serial No. 534,082. Class 46.

Bonafide Laboratory, New York, N. Y. Dental cleanser. 544,902, July 10; Serial No. 597,248, published Apr. 10, 1951. Class 51.

Bond Electric Corporation, Jersey City, N. J., to Olin Industries, Inc., New Haven, Conn. Anti-freeze products. 287,394, renewed Sept. 22, 1951. O. G. July 10. Class 6.

Bonnie Brae Vineyards, Exeter, Calif. Fresh grapes. 545,006, July 10; Serial No. 598,149. Class 46.

Booth Fisheries Corporation, Chicago, Ill. Fresh and salted fish. 544,721, July 10; Serial No. 542,529, published Apr. 3, 1951. Class 46.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 544,847, July 10; Serial No. 590,799, published Apr. 17, 1951. Class 39.

Bostrom, Gustav J., doing business as Supergrate Open Steel Flooring Co., Los Angeles, Calif. Open-type flooring. 544,732, July 10; Serial No. 557,725, published Jan. 30, 1951. Class 12.

Bovril, Limited, London, England. Preparation of full cream milk, separated milk, malt extract, etc. for making a food beverage. 544,864, July 10; Serial No. 593,216, published Apr. 17, 1951. Class 46.

Boyd-Richardson Company, St. Louis, Mo. Men's and boys' apparel. 544,879, July 10; Serial No. 595,592, published Apr. 3, 1951. Class 39.

Brach, E. J., & Sons, Chicago, Ill. Candy. 544,749, July 10; Serial No. 568,236, published Mar. 20, 1951. Class 46.

Brickman, A., Inc., New York, N. Y. Small or pocket-size apparatus for demonstrating motion pictures. 544,814, July 10; Serial No. 585,560, published Apr. 3, 1951. Class 26.

Brill, H. C., Co., Inc., Newark, N. J. Ice cream powders. 544,740, July 10; Serial No. 565,520, published Apr. 17, 1951. Class 46.

Brown, William E., Pewaukee, Wis. Insect traps. 544,821, July 10; Serial No. 586,838, published Apr. 17, 1951. Class 50.

Builders' Association of Kansas City, Mo., The, Kansas City, Mo. Monthly magazines. 286,168, renewed Aug. 18, 1951. O. G. July 10. Class 38.

Bullard, E. D., Company, San Francisco, Calif. First aid kits. 544,747, July 10; Serial No. 567,945, published Apr. 10, 1951. Class 44.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 544,877, July 10; Serial No. 595,357, published Apr. 3, 1951. Class 42.

Burnitol Manufacturing Co., Boston, Mass. Sputum cups, sputum cup holders, etc. 544,737, July 10; Serial No. 562,026, published Apr. 10, 1951. Class 44.

Butler Brothers, Chicago, Ill. Women's and girls' anklets and socks. 544,987, July 10; Serial No. 587,011. Class 39.

C. & K. Manufacturing Company, Lomita, Calif. Dresses. 544,725, July 10; Serial No. 550,780, published Apr. 17, 1951. Class 39.

California Bleaching Water Co., San Francisco, by Lady's Choice Foods, Los Angeles, Calif. Cottonseed salad oil. 247,580, Oct. 2, 1928. Republished July 10. Class 46.

California Frozen Foods, Inc., Modesto, Calif., assignee of Wilbur-Ellis Company. Frozen fresh deciduous fruits and frozen fresh vegetables. 544,733, July 10; Serial No. 569,114, published Mar. 27, 1951. Class 46.

Calo Dog Food Company, Inc., Oakland, Calif. Canned dog and cat food. 544,791, July 10; Serial No. 579,733, published Mar. 20, 1951. Class 46.

Candymasters Incorporated, Minneapolis, Minn. Candy bars. 544,896–7, July 10; Serial Nos. 596,830–1, published Mar. 20, 1951. Class 46.

Canton Poultry Company, Inc., Canton, Ga. Processed poultry. 544,983, July 10; Serial No. 582,887. Class 46.

Carniegie, Hattie, Inc., New York, N. Y. Wearing apparel for women and children. 544,722, July 10; Serial No. 546,952, published Apr. 17, 1951. Class 39.

Carol-Deb Company, Pawtucket, R. I. Jewelry. 544,825, July 10; Serial No. 587,178, published Apr. 17, 1951. Class 28.

Catz American Co., Inc., New York, N. Y. Canned lobster. 544,873, July 10; Serial No. 594,950, published Mar. 13, 1951. Class 46.

Cavalier Laboratories: *See*—
Frieden, Hyman.

Challenge Machinery Company, The, Grand Haven, Mich. Precision equipment. 544,739, July 10; Serial No. 565,477, published Mar. 27, 1951. Class 26.

Chance Vought Corporation, Hartford, to United Aircraft Corporation, East Hartford, Conn. Aircraft. 286,752, renewed Sept. 1, 1951. O. G. July 10. Class 19.

Charles of the Ritz, Inc., New York, N. Y. Toilet soap. 544,820, July 10; Serial No. 586,591, published Apr. 3, 1951. Class 52.

Chisholm Boot Shops, Inc.: *See*—
Chisholm Shoe Company, The.

Chisholm Shoe Company, The, Cleveland, to Chisholm Boot Shops, Inc., Akron, Ohio. Shoes. 279,679, renewed Jan. 20, 1951. O. G. July 10. Class 39.

Chr. Hansen's Laboratory, Inc., Little Falls, N. Y. Food colors, freezing mix, etc. 544,937, July 10; Serial No. 599,707, published Apr. 17, 1951. Class 46.

Christy Cosmetics Inc., New York, N. Y. Lipsticks. 519,755, Jan. 10, 1950. Canceled June 5, 1951. O. G. July 10. Class 51.

Church, Bruce: *See*—
Church & Knowlton.

Church & Knowlton, by Bruce Church, Salinas, Calif. Fresh vegetables and fresh cantaloupes. 252,204, Jan. 29, 1929. Republished July 10. Class 46.

Ciffo, Alfred, New York, N. Y. Toys. 544,950, July 10; Serial No. 600,719, published Apr. 17, 1951. Class 22.

Cities Service Oil Company, Bartlesville, Okla. Tires; tubes; accessories, etc. 544,761, July 10; Serial No. 571,408, published Apr. 10, 1951. Class 35.

Cities Service Oil Company, Bartlesville, Okla. Lubricants composed of petroleum oils. 544,907, July 10; Serial No. 597,865, published Jan. 23, 1951. Class 15.

Clay-Adams Company, Inc., New York, N. Y. Hypodermic syringes and hypodermic needles. 544,926, July 10; Serial No. 598,982, published Apr. 17, 1951. Class 44.

Cleveland Grinding Machine Co., Cleveland, Ohio. Optical projection viewer. 544,977, July 10; Serial No. 576,630. Class 26.

Cloud, R. H., doing business as Rainbow Ointment Company, Rocky Comfort, Mo. Ointment. 544,743, July 10; Serial No. 566,833, published Apr. 10, 1951. Class 18.

Commercial Solvents Corporation, New York, N. Y. Procaine penicillin G. 544,889, July 10; Serial No. 596,264, published Apr. 3, 1951. Class 18.

Connie's Food Products: *See*—
Karambelas, Constantine E.

Continental Optical Company, Inc., Indianapolis, Ind. Spectacle frames and mountings. 544,810, July 10; Serial No. 585,156, published Apr. 10, 1951. Class 26.

Cope Brothers, Landisville, Rheems, and Manheim, Pa. Evaporated or dehydrated green sugar corn. 311,807, Apr. 3, 1934. Canceled June 5, 1951. O. G. July 10. Class 46.

Corno Products Company: *See*—
Mayfield, Wallace L.

Coro, Inc., New York, N. Y. Jewelry. 544,861, July 10; Serial No. 592,881, published Apr. 17, 1951. Class 28.

Courtalds Limited, London, England. Yarns. 281,184–5, renewed Mar. 10, 1951. O. G. July 10. Class 43.

Crawford Door Company, Detroit, Mich. Complete upward-acting door installations. 544,892, July 10; Serial No. 596,561, published Apr. 10, 1951. Class 12.

Crist, Luther E., Manhasset, N. Y. Periodicals. 544,996, July 10; Serial No. 592,480. Class 38.

Culpeper House Limited, London, England. Medicinal herbal preparations. 544,780, July 10; Serial No. 577,565, published Mar. 27, 1951. Class 18.

Cutter Laboratories, Berkeley, Calif. Glass bottles for shipping and dispensing parenteral solutions. 544,800, July 10; Serial No. 582,389, published Apr. 10, 1951. Class 44.

D. P. M. Productions, Inc., New York, N. Y. Series of motion picture films. 544,828, July 10; Serial No. 587,794, published Apr. 3, 1951. Class 26.

Danbury Rubber Company, Inc., The, Danbury, Conn. Rubber floor and wall tile. 544,802, July 10; Serial No. 582,676, published Nov. 14, 1950. Class 12.

Dawnwood Farms: *See*—
Long, Dorothy A.

De Jur-Amsco Corporation, Long Island City, N. Y. Motion picture projectors. 544,922, July 10; Serial No. 598,713, published Mar. 13, 1951. Class 26.

Dexter, Richard V., doing business as Dexter's Honey Butter, Ellensburg, Wash. Honey. 544,711, July 10; Serial No. 531,021, published Feb. 27, 1951. Class 46.

Dexter's Honey Butter: *See*—
Dexter, Richard V.

Distilleerderij en Likeurstokerij P. Hoppe N. V.: *See*—
Hoppe, P.

Donaco Plastics, Inc., Chicago, Ill. Collapsible wall racks used for holding hosiery while drying. 544,966, July 10; Serial No. 559,220. Class 24.

Dornol Products, Inc., New York, N. Y. Medicinal skin formula, medicated talcum powder, etc. 544,808, July 10; Serial No. 584,390, published Apr. 10, 1951. Class 18.

Drew, E. F., & Co., Inc., New York, N. Y. Vegetable shortening. 544,965, July 10; Serial No. 555,998. Class 46.

Du Bois Company, assignee: *See*—
Noble Chemical Corporation.

Earl & Arlington, San Francisco, Calif. Infants' bibs and underwear. 544,840, July 10; Serial No. 589,892, published Apr. 10, 1951. Class 39.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Synthetic yarn. 544,787, July 10; Serial No. 578,496, published Apr. 17, 1951. Class 43.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Sensitized photographic paper. 544,815, July 10; Serial No. 585,637, published Mar. 27, 1951. Class 26.

Edward Valves, Inc., East Chicago, Ind. Valves for control of fluids. 544,979, July 10; Serial No. 579,767. Class 13.

Enzo Jel Company, Sheboygan, Wis. Preparation for making tomato aspic. 544,915, July 10; Serial No. 598,174, published Mar. 6, 1951. Class 46.

Erdman, Clarence E., doing business as C. E. Erdman Tire and Rubber Company, Baltimore, Md. Automobile tires. 544,736, July 10; Serial No. 561,912, published Apr. 10, 1951. Class 35.

Erdman, C. E., Tire and Rubber Company: *See*—
Erdman, Clarence E.

Eskimo Pie Corporation, Bloomfield, N. J. Shredded coconut. 544,916, July 10; Serial No. 598,462, published Mar. 13, 1951. Class 46.

Esterbrook Pen Company, The, Camden, N. J. Writing, drawing, and lettering pens, fountain pens, etc. 544,959, July 10; Serial No. 533,859. Class 37.

Faribault Woolen Mill Company, Faribault, Minn. Combined automobile or stadium robe and carrying case. 545,004, July 10; Serial No. 595,833. Class 42.

Farley Manufacturing Company, Chicago, Ill. Candy. 544,71, July 10; Serial No. 529,619, published Mar. 20, 1951. Class 46.

Felice Bisleri & C., to S. A. Felice Bisleri & Cia, Milan, Italy. Medicinal bitters and general tonics. 177,130, Dec. 11, 1923. New certificate. O. G. July 10. Class 18. (Formerly in Class 6.)

Fibre & Metal Products, Inc., Downey, Calif. Molded, woven, woven-molded brake and clutch lining. 544,841, July 10; Serial No. 589,964, published Apr. 10, 1951. Class 35.

Filice & Perrelli Canning Company, Inc., Richmond, Calif. Canned fruits. 544,962, July 10; Serial No. 541,119. Class 46.

Finlay, Louise C., to Guardias Ointment Company, Inc., New York, N. Y. Ointment. 80,907, re-renewed Feb. 14, 1951. O. G. July 10. Class 18.

Finn & Company: *See*—
Finn, Thomas R.

Finn, Thomas R., doing business under the trade name and style of Finn & Company, New York, N. Y. Rubber pipe. 544,888, July 10; Serial No. 596,158, published Apr. 10, 1951. Class 35.

Fischer, Albert C.: *See*—
Servicised Products Corporation.

Fischer, Cecile G., executor: *See*—
Servicised Products Corporation.

Fischer, Wallace C., executor: *See*—
Servicised Products Corporation.

Fleer, Frank H., Corporation, Philadelphia, Pa. Chewing gum. 278,825, renewed Dec. 30, 1950. O. G. July 10. Class 46.

Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigarettes. 435,287, Dec. 16, 1947. Republished July 10. Class 17.

Flexible Tubing Corporation, The, Branford, Conn. Flexible tubing. 544,906, July 10; Serial No. 597,392, published Apr. 10, 1951. Class 35.

Foister, Arthur, & Sons Limited, Leicester, England. Children's three-quarter hose, infants' and children's socks, etc. 544,744, July 10; Serial No. 567,511, published Apr. 10, 1951. Class 39.

"42" Products, Ltd., Los Angeles and West Los Angeles, Calif. Hair coloring creme. 544,909, July 10; Serial No. 597,824, published Apr. 17, 1951. Class 51.

Fox, G., & Co. Inc., Hartford, Conn. Gloves; ties, scarfs, etc. 279,628, Jan. 20, 1931. Republished July 10. Class 39.

Franklin, Edmond G., doing business as Franklin Engineering Co., Minneapolis, Minn. Electric soldering irons. 544,976, July 10; Serial No. 576,051. Class 21.

Franklin Engineering Co.: *See*—
Franklin, Edmond G.

Franklin Foods, Inc., Franklin and Hazel Park, Mich. Toasted peanuts and almonds. 544,878, July 10; Serial No. 595,373, published Feb. 13, 1951. Class 46.

Frankly Fabrics Corp., New York, N. Y. Textile fabrics. 512,906, July 26, 1949. Canceled June 5, 1951. O. G. July 10. Class 42.

Free Sewing Machine Co., Rockford, Ill. Catalogs and circulars. 544,968, July 10; Serial No. 561,666. Class 38.

Frieden, Hyman, doing business under the name of Cavalier Laboratories, Norfolk, Va. Toilet preparations. 544,772, July 10; Serial No. 574,830, published Apr. 17, 1951. Class 51.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. 545,014, July 10; Serial No. 603,522. Class 42.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. 545,017, July 10; Serial No. 604,091. Class 42.

Gaby Company, Philadelphia, Pa. Insect repellents. 406,756, Apr. 25, 1944. Canceled June 5, 1951. O. G. July 10. Class 6.

Gem-O-Graph Company, The, assignor to The Gem-O-Graph Corporation of America, Inc., New York, N. Y. Cut diamonds. 544,835, July 10; Serial No. 588,641, published Apr. 10, 1951. Class 28.

Gem-O-Graph Corporation of America, Inc., The: *See*—
Gem-O-Graph Company, The.

General Mills, Inc., Minneapolis, Minn. Wheat flour. 285,170, renewed July 14, 1951. O. G. July 10. Class 46.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Adjustable calculating charts. 544,834, July 10; Serial No. 588,575, published Mar. 27, 1951. Class 26.

George's Bakery: *See*—
Shidler, George W.

Gevaert Photo-Productien N. V., Mortsel, Belgium. Sensitized photographic papers. 544,874, July 10; Serial No. 594,966, published Mar. 6, 1951. Class 26.

Gilt Edge Packing Co.: *See*—
Jacobson, Anton E.

Gladke, Jerome J., doing business as Korjena Medicine Co., to R. L. Gladke, Elmira, N. Y. Pharmaceutical preparation. 283,817, renewed June 9, 1951. O. G. July 10. Class 18.

Gladke, Robert L.: *See*—
Gladke, Jerome J.

Glemby Company, Inc., The, New York, N. Y. Permanent waving oil and hair curling lotions. 544,849, July 10; Serial No. 591,480, published Apr. 10, 1951. Class 51.

Glenhaven Ltd., Baltimore, Md. Ladies' wearing apparel. 544,851, July 10; Serial No. 591,725, published Apr. 17, 1951. Class 39.

Glenader Textile Corp., New York, N. Y. Scarfs, kerchiefs, neckties, and ascots. 544,852, July 10; Serial No. 591,779, published Apr. 3, 1951. Class 39.

Globe Roofing Products Co., Inc., Whiting, Ind. Asphalt and felt base insulating siding. 544,765, July 10; Serial No. 572,096, published Apr. 10, 1951. Class 12.

Gompes, Henri S., to R. Gompes, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 282,362, renewed Apr. 21, 1951. O. G. July 10; Class 51.

Gompes, Ruth: *See*—
Gompes, Henri S.

Gould-National Batteries, Inc.: *See*—
National Battery Company.

Grabosky Bros., Inc.: *See*—
Grabosky, Louis B.

Grabosky, Louis B., to Grabosky Bros., Inc., Philadelphia, Pa. Cigars. 286,824–5, renewed Sept. 8, 1951. O. G. July 10. Class 17.

Grace Company, The, Belton, Mo. Infants' and children's dresses, pinafores, jumpers, etc. 544,745, July 10; Serial No. 567,515, published Apr. 10, 1951. Class 39.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Canned shrimp. 544,729, July 10; Serial No. 551,710, published Feb. 27, 1951. Class 46.

Green Giant Company: *See*—
Minnesota Valley Canning Company.

Greene, Henry T., Forrestville, Md. Punch board game. 544,997–8, July 10; Serial Nos. 593,273–4. Class 22.

Gretsch, Fred., Manufacturing Co., The: *See*—
Bacon Banjo Co., Inc.

Grober, Norman, New York, N. Y. Nightgowns. 544,994, July 10; Serial No. 591,848. Class 39.

Grower-Shipper Potato Company, Monte Vista, Colo. Potatoes. 544,967, July 10; Serial No. 561,237. Class 46.

Guardias Ointment Company, Inc.: *See*—
Finlay, Louise C.

Gumakers of America, Inc., New York, N. Y. Chewing gum. 544,969, July 10; Serial No. 564,120. Class 46.

Hall Brothers, Inc., Kansas City, Mo. Greeting and paper doll cards. 544,970, July 10; Serial No. 565,427. Class 38.

Handy Andy Community Stores, Inc. of Texas, San Antonio, Tex. Tooth paste, shampoo, hair tonic, talcum powder, etc. 330,225, Nov. 26, 1935. Canceled June 5, 1951. O. G. July 10. Class 51. (Formerly in Class 6).

Hardesty, W. C., Company, Inc., New York, N. Y. Stearic acid, glycerine, red oil, etc. 545,012, July 10; Serial No. 603,294. Class 6.

Hardesty, W. C., Company, Inc., New York, N. Y. Stearic acid, glycerine, red oil, etc. 545,013, July 10; Serial No. 603,366. Class 6.

Harnly Weatherstrip Company: *See*—
Protecto Manufacturing Company.

Heminway & Bartlett Mfg. Co., The, Watertown, Conn. Multiple-filament thread and twine. 544,786, July 10; Serial No. 578,391, published Apr. 17, 1951. Class 43.

Hercules Company, Philadelphia, Pa. Hose. 352,960, Dec. 21, 1937. Canceled June 5, 1951. O. G. July 10. Class 35.

Heywood Boot & Shoe Company, Worcester, Mass. Leather boots and shoes. 82,691, re-renewed July 18, 1951. O. G. July 10. Class 39.

Honey Kream Distributing Co.: *See*—
Schreibman, Louis F.

Hoppe, P., to Distilleerderij en Likeurstokerij P. Hoppe N. V., Amsterdam, Holland. Gin. 284,876, renewed July 7, 1951. O. G. July 10. Class 49.

Hotel Bar Foods: *See*—
Lowenfels, Frederick F., & Son.

House of Farli, Inc., Lowell, Mass. Lipsticks. 544,912, July 10; Serial No. 597,957, published Apr. 17, 1951. Class 51.

Hudnut, Richard, New York, N. Y. Cologne. 544,927, July 10; Serial No. 599,098, published Apr. 17, 1951. Class 51.

Hygiene Shower Curtain Mfg. Co. Inc., New York, N. Y. Shower curtains. 544,982, July 10; Serial No. 582,309. Class 42.

Illinois Gear & Machine Company, Chicago, Ill. Roller and silent chain sprockets. 539,226–7, Mar. 13, 1951. Corrected. O. G. July 10. Class 23.

Imperial Chemical (Pharmaceuticals) Limited, London and Millbank, London, England. Anaesthetics. 544,917, July 10; Serial No. 598,475, published Apr. 10, 1951. Class 18.

International Chemical Company, Chicago, Ill. Preservative and finish in the nature of a paint or varnish. 283,318, renewed May 26, 1951. O. G. July 10. Class 16.

International Lumitype Company: *See*—
Murphy, Robert E.

International Manufacturing Company, Kansas City, Mo. Carpenters', plumbers' and millwrights' levels. 544,806, July 10; Serial No. 584,125, published Mar. 27, 1951. Class 26.

International Sales Company, San Francisco, Calif. Gas furnaces. 544,974, July 10; Serial No. 574,621. Class 34.

Istituto Nazionale Medico Farmacologico, Rome, Italy, assignee of Cesare Serono. Preparation composed of an active glyceric solution of gastric and pancreatic juices. 544,972, July 10; Serial No. 572,211. Class 18.

Italian Food Products Co. Inc., by West Coast Packing Corporation, Long Beach, Calif. Tomato paste. 247,749, Oct. 2, 1928. Republished July 10. Class 46.

Italian Food Products Company, Inc., by West Coast Packing Corporation, Long Beach, Calif. Canned fish. 245,690, Aug. 21, 1928. Republished July 10. Class 46.

Italian Food Products Company, Inc., by West Coast Packing Corporation, Long Beach, Calif. Canned fish. 247,682, Oct. 2, 1928. Republished July 10. Class 46.

Jacobson, Anton E., doing business as Gilt Edge Packing Co., San Francisco, by Lady's Choice Foods, Los Angeles, Calif. Bleaching water. 244,701, July 24, 1928. Republished July 10. Class 6.

Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. 544,943, July 10; Serial No. 600,267, published Apr. 10, 1951. Class 28.

Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. 544,944–5, July 10; Serial Nos. 600,284–5, published Apr. 10, 1951. Class 28.

Jaffe Candy Co., Los Angeles, Calif. Candy. 545,000, July 10; Serial No. 593,873. Class 46.

Jaffe Candy Company, also operating as Paula James Confections, Los Angeles, Calif. Candy. 545,009, July 10; Serial No. 600,678. Class 46.

Jaffe Candy Co., also operating as Paula James Confections, Los Angeles, Calif. Candy. 545,010, July 10; Serial No. 600,679. Class 46.

James, Paula, Confections: *See*—
Jaffe Candy Co.
Jaffe Candy Company.

Jaret & Diamond, New York, N. Y. Dolls. 544,978, July 10; Serial No. 577,719. Class 22.

Java Food Products, Inc., Jersey City, N. J. Raw dehydrated chips. 544,805, July 10; Serial No. 584,004, published Apr. 3, 1951. Class 46.

Jennison, W. J., Company, Minneapolis, Minn. Wheat flour. 544,730, July 10; Serial No. 553,863, published Feb. 6, 1951. Class 46.

Johnson, S. C., & Son, Inc., Racine, Wis. Colored emulsion. 544,990, July 10; Serial No. 589,320. Class 6.

Juniors, Inc., Los Angeles, Calif. Infants' play garments. 544,807, July 10; Serial No. 584,238, published Apr. 10, 1951. Class 39.

Kahn, B. S., & Company, Inc., Miami, Fla. Ladies', misses', juniors' and children's dresses. 544,795, July 10; Serial No. 580,484, published Apr. 17, 1951. Class 39.

Karambelas, Constantine E., doing business under the name Connie's Food Products, Portland, Oreg. Candy. 544,706, July 10; Serial No. 498,147, published Apr. 17, 1951. Class 46.

Kaylon Incorporated, New York, N. Y. Pajamas, pajama coats, beach coats, etc. 544,913, July 10; Serial No. 597,962, published Apr. 10, 1951. Class 39.

Kellogg Seed Company, Milwaukee, Wis. Food for cage birds. 544,853, July 10; Serial No. 591,932, published Feb. 6, 1951. Class 46.

King Organic Chemicals, Incorporated: *See*—
Photo Technical Corporation, The.

Kling Photo Supply Corporation: *See*—
Peerless Camera Stores, Inc.

Klinkerfues Mfg. Co., St. Paul, Minn. Men's, women's, and children's outer wear garments. 544,751, July 10; Serial No. 568,378, published Apr. 3, 1951. Class 39.

Korjena Medicine Co.: *See*—
Gladke, Jerome J.

Kotake Company, Limited, Honolulu, Hawaii. Playing cards. 539,022, Mar. 6, 1951. Corrected. O. G. July 10. Class 22.

Kotal Company: *See*—
Bishop, Howard B.

Krekorian, Erwin M., La Jolla, to Erwin M. Krekorian, Encino, Calif. Pottery and garden ornaments. 282,463, renewed Apr. 21, 1951. O. G. July 10. Class 30.

Kulka Electric Mfg. Co., Inc., Mount Vernon, N. Y. Electric sockets. 544,992, July 10. Serial No. 591,091. Class 21.

Lady's Choice Foods: *See*—
California Bleaching Water Co.
Jacobson, Anton E.

Lager, Virginia L., Maumee, Ohio. Toilet powders. 544,837, July 10; Serial No. 589,581, published Apr. 17, 1951. Class 51.

Lanteen Laboratories, Inc., Chicago, to Lanteen Medical Laboratories, Inc., Evanston, Ill. Applicators for injection of vaginal prophylactic substances, etc. 287,639, renewed Sept. 29, 1951. O. G. July 10. Class 44.

Lanteen Medical Laborntories, Inc.: *See*—
Lanteen Laboratories, Inc.

Laskin, Maurie, doing business as Bestwest Produce Co., Chicago, Ill. Ready-to-eat boneless roasted turkey. 544,923, July 10; Serial No. 598,802, published Mar. 13, 1951. Class 46.

Lawrence, A. C., Leather Co., Boston, to A. C. Lawrence Leather Company, Peabody, Mass. Finished leather. 83,586, re-renewed Sept. 26, 1951. O. G. July 10. Class 1.

Lawrence, A. C., Leather Company: *See*—
Lawrence, A. C., Leather Co.

Lederer Brothers, New York, N. Y. Simulated and cultured pearl necklaces, bracelets, and earrings. 544,946, July 10; Serial No. 600,293, published Apr. 17, 1951. Class 28.

Lee, T. Kong, doing business as Lee's Agency, San Francisco, Calif. Canned fish and sea food. 544,910, July 10; Serial No. 597,832, published Apr. 10, 1951. Class 46.

Lee's Agency: *See*—
Lee, T. Kong.

Lehn & Fink Products Corporation, Bloomfield, N. J. Perfume, lipstick, cream rouge, and compact rouge. 544,836, July 10; Serial No. 588,693, published Mar. 27, 1951. Class 51.

Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. 544,934, July 10; Serial No. 599,639, published Mar. 27, 1951. Class 51.

Lewis, Charles T., doing business as Lewis Manufacturing Company, Oklahoma City, Okla. Safety belts, hose connectors and cable connectors. 544,991, July 10; Serial No. 589,903. Class 13.

Lewis, J. B., & Sons Limited, Nottingham, England, now by change of name Meridian Limited. Men's, women's, children's, and infants' wearing apparel. 544,804, July 10; Serial No. 583,938, published Apr. 17, 1951. Class 39.

Lewis Manufacturing Company: *See*—
Lewis, Charles T.

Libby, McNeill & Libby, Chicago, Ill. Canned pineapple. 283,995, renewed June 9, 1951. O. G. July 10. Class 46.

Liebig's Extract of Meat Company Limited, London, England. Fertilizers. 280,382, renewed Feb. 17, 1951. O. G. July 10. Class 10.

Life Savers Corporation, Port Chester, N. Y. Candies. 545,020, July 10; Serial No. 604,787. Class 46.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 544,951, July 10; Serial No. 600,896, published Apr. 10, 1951. Class 18.

Lindstrom, Carl, Act. Ges., Berlin, Germany. Talking-machines. 82,448, June 27, 1911. Canceled May 15, 1951. O. G. July 10. Class 36.

Linen Thread Co., Inc., The, Paterson, N. J. Tufting twine. 444,527, July 10; Serial No. 523,688, published May 2, 1950. Class 7.

Link-Belt Company, Chicago, Ill. Sewage and water screens, parts and accessories, activated sludge plants, etc. 286,793, renewed Sept. 1, 1951. O. G. July 10. Class 23.

Lins, E. W., doing business as E. W. Lins & Son, Fort Pierce and Homestead, Fla. Fresh citrus fruits, fresh deciduous fruits, and fresh vegetables. 544,941, July 10; Serial No. 600,177, published Apr. 10, 1951. Class 46.

Lins, E. W., & Son: *See*—
Lins, E. W.

Liquid Lens Corporation, New York and Jamaica, N. Y. Magnifying lenses for television sets. 544,980, July 10; Serial No. 580,890. Class 26.

Long, Dorothy A., doing business as Dawnwood Farms, Amenia, N. Y. Food concentrate for growing calves. 544,793, July 10; Serial No. 580,197, published Feb. 6, 1951. Class 46.

Longdon, F., & Company Limited, Derby, England. Corsets, corset belts, and elastic belts; etc. 544,723, July 10; Serial No. 547,640, published Apr. 10, 1951. Class 39.

Lord Jeff Knitting Company, Incorporated, Brooklyn, N. Y. Knitted goods—namely sweaters, etc. 544,776, July 10; Serial No. 575,147, published Apr. 17, 1951. Class 39.

Loveman, Berger and Teitlebaum, Inc., Nashville, Tenn. Women's hosiery and underwear. 544,833, July 10; Serial No. 588,500, published Apr. 17, 1951. Class 39.

Lowenfels, Frederick F., & Son, doing business under the name Hotel Bar Foods, New York, N. Y. Canned cooked ham. 544,893, July 10; Serial No. 596,576, published Apr. 10, 1951. Class 46.

Ludlum Steel Co., Watervliet, N. Y., to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa. Rolled steel bars, steel forgings, and steel castings. 286,590, renewed Sept. 1, 1951. O. G. July 10. Class 14.

M. K. M. Hosiery Mills, Inc., Boston, Mass. Ladies' hosiery. 544,782, July 10; Serial No. 577,803, published Apr. 17, 1951. Class 39.

Macomber's, Inc., Berkeley, Calif. Apple juice, prune juice, French salad dressing, etc. 544,867, July 10; Serial No. 593,733, published Mar. 6, 1951. Class 46.

Maltine Company, The, Morris Plains, N. J. Pharmaceutical composition. 544,918, July 10; Serial No. 598,535, published Apr. 3, 1951. Class 18.

Manning, Maxwell & Moore, Incorporated, New York, N. Y. Cases for gauges. 544,827, July 10; Serial No. 587,737, published Apr. 3, 1951. Class 26.

Manning's, Inc., San Francisco, Calif. Coffee, tea, and candy. 544,940, July 10; Serial No. 600,062, published Apr. 10, 1951. Class 46.

Marine Products Company, San Diego, Calif. Frozen fresh shrimp. 545,007, July 10; Serial No. 600,178. Class 46.

Martinsen Machine Shop: *See*—
Martinsen, Nikolai.

Martinsen, Nikolai, doing business as Martinsen Machine Shop, Palo Alto, Calif. Brackets for supporting liquid containers. 544,985, July 10; Serial No. 583,484. Class 13.

Marvel-Lens Industries, Inc., Philadelphia, Pa. Magnifying lenses. 544,831, July 10; Serial No. 588,311, published Apr. 3, 1951. Class 26.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 544,884, July 10; Serial No. 595,898, published Mar. 27, 1951. Class 18.

Mayfield, Wallace L., doing business as Corno Products Company, Houston, Tex. Packaged food product. 544,707, July 10; Serial No. 503,193, published Apr. 17, 1951. Class 46.

Mendenhall-Graham Company, Duluth, Minn. Mackinaw coats, sport coats, stag coats, etc. 280,533, Feb. 17, 1931. Republished July 10. Class 39.

Meopta Spojene Zavody pro Jemnou Mechaniku a Optiku, Narodni Podnik, Prerov, Czechoslovakia. Cameras, aero-cameras; motion-picture cameras and projectors; etc. 544,727, July 10; Serial No. 551,649, published Mar. 6, 1951. Class 26.

Mercantile Stores Company, Inc., Wilmington, Del. Flower, vegetable, and lawn seeds, flower, and vegetable bulbs and roots, etc. 544,784, July 10; Serial No. 578,155, published Apr. 10, 1951. Class 1.

Merco Nordstrom Valve Company, San Francisco, Calif., to Rockwell Manufacturing Company, Pittsburgh, Pa. Plug valves. 284,192, renewed June 16, 1951. O. G. July 10. Class 13.

Meridian Limited: *See*—
Lewis, J. B., & Sons Limited.

Meyer Chemical Company, to Sharp & Dohme, Incorporated, Philadelphia, Pa. Parenteral solution. 508,641, Apr. 12, 1949. New certificate. O. G. July 10. Class 6.

Mid City Uniform Cap Company, Chicago, Ill. Uniform caps. 544,871, July 10; Serial No. 594,484, published Mar. 20, 1951. Class 39.

Middlebade Company, Inc., The Philadelphia, Pa. Men's and boys' trousers and slacks. 544,832, July 10; Serial No. 588,313, published Apr. 3, 1951. Class 39.

Miller and Rhoads, Incorporated, Richmond, Va. Wearing apparel. 544,796, July 10; Serial No. 580,897, published Apr. 3, 1951. Class 39.

Minnesota Valley Canning Company, to Green Giant Company, Le Sueur, Minn. Canned peas. 285,942–3, renewed Aug. 11, 1951. O. G. July 10. Class 46.

Minnesota Valley Canning Company, to Green Giant Company, Le Sueur, Minn. Canned Peas. 285,983, renewed Aug. 11, 1951. O. G. July 10. Class 46.

Minnesota Valley Canning Company, to Green Giant Company, Le Sueur, Minn. Canned peas. 286,422, renewed Aug. 25, 1951. O. G. July 10. Class 46.

Minute Maid Corporation, New York, N. Y. Frozen concentrated juices. 544,881–3, July 10; Serial Nos. 595,844–6, published Mar. 13, 1951. Class 46.

Mitchell Bakery, The, Independence, Kans. Loaves of bread, bread rolls, cinnamon rolls, etc. 544,733, July 10; Serial No. 558,408, published Apr. 10, 1951. Class 46.

Mitchell, E. P., Company, Kansas City, Mo. Wheat flour and corn meal. 544,735, July 10; Serial No. 559,110, published Mar. 28, 1950. Class 46.

Modern Food Products Company, San Francisco, Calif. Dried sea weeds used as a food, etc. 544,763, July 10; Serial No. 571,984, published July 4, 1950. Class 46.

Mondial Company, Inc., New York, N. Y. Canned fish. 544,869, July 10; Serial No. 594,135, published Mar. 6, 1951. Class 46.

Montmarquet, Francis H.: *See*—
O-C Manufacturing Company, The.

Morlove Inc., New York, N. Y. Ladies' and misses' blouses, and ladies' and misses' blouses and skirts. 544,885, July 10; Serial No. 596,113, published Apr. 10, 1951. Class 39.

Morrell, John, Chicago, Ill. Weekly newspaper column. 545,005, July 10; Serial No. 597,007. Class 38.

Morris, Caroline, Chicago, Ill. All purpose cosmetic cream. 544,863, July 10; Serial No. 593,008, published Apr. 17, 1951. Class 51.

Mother Kern's Products, Inc., Chicago, Ill. Mustard. 544,734, July 10; Serial No. 558,576, published Mar. 20, 1951. Class 46.

Moyer, Walter W., Company, Ephrata, Pa. Women's, misses', infants', men's, boys' and juveniles' hosiery, socks and underwear. 544,801, July 10; Serial No. 582,574, published Apr. 17, 1951. Class 39.

Murphy, H. B., Company, Brawley, Calif. Fresh vegetables and fresh melons. 544,899, July 10; Serial No. 596,931, published Feb. 20, 1951. Class 46.

Murphy Products Company, Burlington, Wis. Feeds. 544,857, July 10; Serial No. 592,510, published Feb. 13, 1951. Class 46.

Murphy, Robert E., doing business as International Lumitype Company, West Roxbury, Mass. Photo-composing apparatus. 544,760, July 10; Serial No. 571,352, published Mar. 27, 1951. Class 26.

Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Dextrine-maltose food preparation. 544,758, July 10; Serial No. 570,905, published Mar. 27, 1951. Class 46.

National Battery Company, St. Paul, Minn., now by change of name Gould-National Batteries, Inc. Combination vent plugs and liquid level indicators. 544,964, July 10; Serial No. 553,631. Class 21.

National Biscuit Company, Jersey City, N. J., and Chicago, Ill., to National Biscuit Company, New York, N. Y. Biscuits, crackers, bread, etc. 36,221, renewed Apr. 9, 1951. O. G. July 10. Class 46.

National Biscuit Company, Jersey City, N. J., and Chicago, Ill., to National Biscuit Company, New York, N. Y. Snaps, biscuits, crackers, etc. 36,521, re-renewed June 4, 1951. O. G. July 10. Class 46.

National Biscuit Company, Jersey City, N. J., and New York, N. Y., to National Biscuit Company, New York, N. Y. Biscuit. 81,817, re-renewed May 9, 1951. O. G. July 10. Class 46.

National Biscuit Company, Jersey City, N. J., and New York, N. Y., to National Biscuit Company, New York, N. Y. Biscuit. 82,529, re-renewed July 4, 1951. O. G. July 10. Class 46.

National Licorice Company, Brooklyn, N. Y. Candy. 544,822, July 10; Serial No. 587,121, published Feb. 13, 1951. Class 46.

National Products Corporation, Boston and Waltham, Mass. Sheathed electrical connectors. 545,011, July 10; Serial No. 602,966. Class 21.

National Pumps, Inc., Cincinnati, Ohio. Gasoline measuring and dispensing pumps. 544,830, July 10; Serial No. 588,179, published Mar. 13, 1951. Class 26.

Newage International, Inc., New York, N. Y. Women's, children's and infants' outer clothing. 544,845, July 10; Serial No. 590,615, published Apr. 17, 1951. Class 39.

Noble Chemical Corporation, Chicago, Ill., assignor to Du Bois Company, Cincinnati, Ohio. Electrical liquid concentration control apparatus. 544,789, July 10; Serial No. 579,050, published Mar. 13, 1951. Class 26.

Northfield Milk Products Company, Northfield, Minn. Evaporated milk. 544,935, July 10; Serial No. 599,648, published Apr. 3, 1951. Class 46.

Novadel-Agene Corporation, Belleville, N. J. Chemical material. 544,764, July 10; Serial No. 572,043, published Apr. 17, 1951. Class 6.

O-C Manufacturing Co., The: *See*—
O-C Manufacturing Company, The.

O-C Manufacturing Company, The, Jersey City, to F. H. Montmarquet, doing business as The O-C Manufacturing Co., Little Falls, N. J.—Jock straps, suspensories, and athletic supporters, etc. 286,882, renewed Sept. 8, 1951. O. G. July 10. Class 44.

O-C Manufacturing Company, The, Jersey City to F. H. Montmarquet, doing business as The O-C Manufacturing Co, Little Falls, N. J. Bathing suit belts, athletic flannel and elastic headbands, bathing girdles, etc. 287,322, renewed Sept. 22, 1951. O. G. July 10. Class 39.

Odorless Disinfectants, Inc., New York, N. Y., by E. Walter Wetzel, Pittsburgh, Pa. Liquid disinfectant deodorizer. 277,929, Dec. 2, 1930. Republished July 10. Classes 18 and 6.

Old Dutch Coffee Co., Incorporated: *See*—
Old Dutch Mills, Inc., The.

Old Dutch Mills, Inc., The, to Old Dutch Coffee Co., Incorporated, New York, N. Y. Coffee, tea, cocoa. 281,916, renewed Apr. 7, 1951. O. G. July 10. Class 46.

Olin Industries, Inc.: *See*—
Bond Electric Corporation.

Olympic Knitwear, Inc., New York, N. Y. Sweaters. 544,838, July 10; Serial No. 589,736, published Apr. 17, 1951. Class 39.

Orefice, Sidney E., doing business as Oses Manufacturing Company, New York, N. Y. Detergent and degreasing agent. 513,135, Aug. 2, 1949. Canceled June 5, 1951. O. G. July 10. Class 4.

Oses Manufacturing Company: *See*—
Orefice, Sidney E.

Oval Manufacturing Company, Inc., New York, N. Y. Imitations of precious stones. 544,862, July 10; Serial No. 592,930, published Apr. 17, 1951. Class 28.

Ovson Egg Company, Chicago, Ill. Frozen whole eggs, egg whites, and yolks. 544,726, July 10; Serial No. 550,932, published Apr. 10, 1951. Class 46.

Owatonna Canning Company, Owatonna, Minn. Canned asparagus, peas, and corn. 544,846, July 10; Serial No. 590,756, published Apr. 17, 1951. Class 46.

Pacific Trading Co., Inc., San Francisco, Calif. Canned fruits and fish. 284,221, renewed June 16, 1951. O. G. July 10. Class 46.

Palm Beach Company: *See*—
Ward, Elmer L.

Paramount Manufacturing Co., Inc.: *See*—
Siegfried-Maltz Pants Manufacturing Company.

Park Publishing Co., Hoboken and Union City, N. J. Periodicals. 544,988, July 10; Serial No. 587,745. Class 38.

Park, Roy H., Inc., Ithaca, N. Y. Section of a periodical publication. 545,008, July 10; Serial No. 600,224. Class 38.

Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y. Electrical attachment plugs and attachment-plug receptacles. 281,955, renewed Apr. 7, 1951. O. G. July 10. Class 21.

Patterson, C. J., Company, assignee: *See*—
Ark Bakers, Inc.

Paulson Manufacturing Company: *See*—
Paulson, Thomas V.

Paulson, Thomas V., doing business as Paulson Manufacturing Company, Fallbrook, Calif. Goggles. 544,816, July 10; Serial No. 585,881, published Apr. 3, 1951. Class 26.

Peek and Velsor, Inc., New York, N. Y. Botannical drugs. 287,532, renewed Sept. 29, 1951. O. G. July 10. Class 18.

Peerless Camera Stores, Inc., assignor to Kling Photo Supply Corporation, New York, N. Y. Photographic apparatus. 544,942, July 10; Serial No. 600,225, published Mar. 27, 1951. Class 26.

Peppers Fruit Company, by Western Fruit Growers, Inc., Los Angeles, Calif. Fresh citrus fruits, fresh deciduous fruits, etc. 250,060, Nov. 27, 1928. Republished July 10. Class 46.

Perk Dog Food Co., doing business under the style of Perk Foods Co., Chicago, Ill. Canned horse meat. 544,804, July 10; Serial No. 596,625, published Mar. 20, 1951. Class 46.

Perk Foods Co.: *See*—
Perk Dog Food Co.

Perkins, Dan, Company, The, Memphis, Tenn. Sausage seasoning. 544,708, July 10; Serial No. 503,664, published Apr. 17, 1951. Class 46.

Permanente Cement Company, Oakland, Calif. Portland cement and oil-well cement. 544,826, July 10; Serial No. 587,590, published Apr. 17, 1951. Class 12.

Peter Pan Foundations, Inc., New York, N. Y. Brassières. 544,954, July 10; Serial No. 601,277, published Apr. 17, 1951. Class 39.

Peterson, Lorena, doing business as Peterson Sales Company, St. Louis, Mo. Tire patches. 544,819, July 10; Serial No. 586,307, published Apr. 10, 1951. Class 35.
Peterson Sales Company: *See*—
Peterson, Lorena.
Pfarr Better Foods, Modesto, Calif. Jellies and fruit preserves. 544,973, July 10; Serial No. 573,892. Class 46.
Phalmo, S. P., Co., Chicago, Ill. Tooth powder and mouth wash. 544,756, July 10; Serial No. 570,720, published Apr. 17, 1951. Class 51.
Phillips-Jones Corporation, New York, N. Y. Men's and boys' outer dress, sport and work shirts, etc. 544,866, July 10; Serial No. 593,555, published Apr. 3, 1951. Class 39.
Photo Technical Corporation, The, Norwalk, Conn., now by change of name King Organic Chemicals, Incorporated. Plasticizer for rubber. 544,762, July 10; Serial No. 571,820, published Apr. 17, 1951. Class 6.
Pierce, MacNeel, doing business as Plastic and Rubber Products Company, Los Angeles, Calif. Hydraulic packing compounds. 544,842, July 10; Serial No. 589,986, published Apr. 10, 1951. Class 35.
Pikle-Rite Company, Inc., Pulaski, Wis. Bottled cucumber pickles. 544,774, July 10; Serial No. 575,090, published Apr. 3, 1951. Class 46.
Pikle-Rite Company, Inc., Pulaski, Wis. Bottled candied sweet midget pickles, bottled sweet mixed pickles, etc. 544,775, July 10; Serial No. 575,091, published Feb. 13, 1951. Class 46.
Pioneer Hi-Bred Corn Company, Des Moines, Iowa. Seed corn and hatching eggs. 544,829, July 10; Serial No. 587,906, published Apr. 17, 1951. Class 1.
Pitt, Elizabeth S., Alexandria, Va. Packaged "snack" or traveler's lunch. 544,848, July 10; Serial No. 590,874, published Feb. 20, 1951. Class 46.
Plastic and Rubber Products Company: *See*—
Pierce, MacNeel.
Pollak, Henry, Inc., New York, N. Y. Hat bodies. 544,886, July 10; Serial No. 596,119, published Apr. 3, 1951. Class 39.
Post, Frederick, Company, The, Chicago, Ill. Light-sensitive transparent paper. 544,813, July 10; Serial No. 585,525, published Apr. 3, 1951. Class 26.
Powers-Samas Accounting Machines Limited, London, England. Accounting machines and parts thereof. 544,924, July 10; Serial No. 598,864, published Apr. 3, 1951. Class 26.
Princess Pat Products Limited, Toronto, Ontario, Canada. Hair nets. 285,573, renewed July 28, 1951. O. G. July 10. Class 39.
Princess Peggy, Inc., Peoria, Ill. Ladies' and children's pajamas. 544,911, July 10; Serial No. 597,907, published Apr. 17, 1951. Class 39.
Protecto Manufacturing Company, to Harnly Weatherstrip Company, Chicago, Ill. Metal-bound felt weather strips. 283,263, renewed May 19, 1951. O. G. July 10. Class 12.
Quest, A. E., & Sons, Lubbock, Tex. Canvas pipe. 544,898, July 10; Serial No. 596,865, published Apr. 10, 1951. Class 35.
Rainbow Ointment Company: *See*—
Cloud, B. H.
Randall, Faichney, Corporation, Boston, Mass. Hypodermic needles and syringes, and parts thereof. 544,930, July 10; Serial No. 599,232, published Apr. 17, 1951. Class 44.
Rath Packing Company, The, Waterloo, Iowa. Bacon. 544,947, July 10; Serial No. 600,351, published Apr. 10, 1951. Class 46.
Reconstruction Finance Corporation, assignee: *See*—
Vincennes Packing Corporation.
Reed Roller Bit Company, Houston, Tex. Pneumatic hose. 544,755, July 10; Serial No. 570,433, published Apr. 10, 1951. Class 35.
Reese of California, Inc., Los Angeles, Calif. Canned and frozen fish, canned caviar, canned fish paste, etc. 544,981, July 10; Serial No. 580,947. Class 46.
Refined Products Company, Lyndhurst, N. J. Soap substitute. 425,591, Nov. 26, 1946. Canceled June 5, 1951. O. G. July 10. Class 4.
Reliable Electric Company, Chicago, Ill. Electrical connectors. 545,018, July 10; Serial No. 604,118. Class 21.
Reliance Devices Company, Inc., by Swivelier Company, Inc., New York, N. Y. Swivel attachment. 397,306, Sept. 1, 1942. Republished July 10, 1951. Class 13.
Rexall Drug Company: *See*—
United Drug Company.
Rexon Inc., New York, N. Y. Mouth organs, harmonicas, music boxes, etc. 430,556, June 17, 1947. Canceled June 5, 1951. O. G. July 10. Class 36.
Rice Growers Association of California, Sacramento, Calif. Rice. 544,875, July 10; Serial No. 594,993, published Feb. 6, 1951. Class 46.
Rice Manufacturing Company, Van Nuys, Calif. Gloves. 544,932, July 10; Serial No. 599,453, published Apr. 10, 1951. Class 39.
Rieke Metal Products Corporation, Auburn, Ind. Rubber-like gaskets. 544,797, July 10; Serial No. 580,948, published Apr. 10, 1951. Class 35.
Riemer, Henry J., doing business as U-Tri Laboratories, Flint, Mich. Medicinal ointment. 544,781, July 10; Serial No. 577,688, published Apr. 3, 1951. Class 18.
Ristorcelli, Theodore, New York, N. Y. Prepared sauce. 544,794, July 10; Serial No. 580,204, published Mar. 20, 1951. Class 46.
Robbins, Anatole, Inc., Los Angeles, Calif. Cream make-up. 544,818, July 10; Serial No. 586,194, published Apr. 17, 1951. Class 51.
Robbins, Geo. L., Co.: *See*—
Robbins, George L., Inc.
Robbins, George L., Inc., to Geo. L. Robbins Co., New York, N. Y. Apparel belts. 284,480, renewed June 30, 1951. O. G. July 10. Class 39.
Robins, A. H., Company, Inc., Richmond, Va. Antacid preparation. 544,956, July 10; Serial No. 606,810, published Apr. 24, 1951. Class 18.
Rockwell Manufacturing Company: *See*—
Merco Nordstrom Valve Company.
Ro-Nel of California Co., Los Angeles, Calif. Junior and teenage girls' blouses, skirts, dresses, etc. 544,890, July 10; Serial No. 596,442, published Apr. 10, 1951. Class 39.
Rose Packing Company, Inc., Chicago, Ill. Canned ham, smoked ham, bulk pure pork sausage, etc. 544,738, July 10; Serial No. 563,527, published Mar. 20, 1951. Class 46.
Rubberized Oil Plastics Co., Not Inc.: *See*—
Servicised Products Corporation.
S. A. Felice Bisleri & Cia: *See*—
Felice Bisleri & C.
S. F. Appliances, Limited, Ridgefield, N. J. Incandescent mantles. 544,963, July 10; Serial No. 544,781. Class 34.
S & S Cone Corporation, New York, N. Y. Empty ice cream cones. 544,817, July 10; Serial No. 586,111, published Apr. 17, 1951. Class 46.
Sacks, Jules, Philadelphia, Pa. The preparation of single slugs or bars of multigraph type. 545,021, July 10; Serial No. 583,948. Class 101.
San Joaquin Baking Company, Fresno, Calif. Bread. 544,958, July 10; Serial No. 532,961. Class 46.
Sandoz Chemical Works, Inc., New York, N. Y. Medicinal garlic preparations, etc. 300,570, Jan. 24, 1933. Republished July 10. Classes 18 and 6.
Schreibman, Louis F., doing business as Honey Kream Distributing Co., Philadelphia, Pa. Potato chips, pretzels and pretzel sticks. 544,750, July 10; Serial No. 568,328, published Feb. 27, 1951. Class 46.
Schueller, Eugene, Paris, France. Rouge, face cream, hair lotion, etc. 544,903, July 10; Serial No. 597,297, published Apr. 17, 1951. Class 51.
Schueller, Eugene, Paris, France. Rouge, face cream, hair lotion, etc. 544,904, July 10; Serial No. 597,301, published Apr. 17, 1951. Class 51.
Schumacher, F., & Co., New York, N. Y. Piece goods. 544,975, July 10; Serial No. 574,791. Class 42.
Seamprufe Incorporated, New York, N. Y. Women's apparel. 544,952, July 10; Serial No. 600,984, published Apr. 17, 1951. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Watches. 281,467, renewed Mar. 17, 1951. O. G. July 10. Class 27.
Sears, Roebuck and Co., Chicago, Ill. Storage "A" and "B" batteries. 283,215, renewed May 19, 1951. O. G. July 10. Class 21.
Serono, Cesare: *See*—
Intituto Nazionale Medico Farmacologico.
Servicised Products Corporation, Chicago, Ill., assignee of Wallace C. Fischer and Cecile G. Fischer, executors of Albert C. Fischer, deceased, doing business as Rubberized Oil Plastics Co., Not Inc. Rubberized asphaltic material. 544,771, July 10; Serial No. 574,355, published Apr. 17, 1951. Class 12.
Sexton, John, & Co., Chicago, Ill. Drinking straws. 544,788, July 10; Serial No. 578,716, published Apr. 17, 1951. Class 50.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin containing preparation. 544,742, July 10; Serial No. 566,548, published Apr. 10, 1951. Class 18.
Sharp & Dohme, Incorporated: *See*—
Meyer Chemical Company.
Shidler, George W., doing business as George's Bakery, National City, Calif. Sweet rolls. 544,880, July 10; Serial No. 595,746, published Mar. 27, 1951. Class 46.
Shirtcraft Company, Inc., The, New York, N. Y. Women's dickeys. 399,351, Dec. 29, 1942. Republished July 10. Class 39.
Siegfried-Maitz Pants Manufacturing Company, by Paramount Manufacturing Co., Inc., St. Louis, Mo. Pants or trousers. 112,029, Apr. 15, 1916. Republished July 10. Class 39.
Simmons-Boardman Publishing Corporation, New York, N. Y. Periodical. 544,995, July 10; Serial No. 592,104. Class 38.
Smith, Kline & French Laboratories, Philadelphia, Pa. Vitamin preparation. 544,920, July 10; Serial No. 598,684, published Apr. 3, 1951. Class 18.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 544,921, July 10; Serial No. 598,686, published Apr. 3, 1951. Class 18.

Société Anonyme des Etablissements Roure Bertrand Fils & Justin Dupont, Grasse, to Société Anonyme des Etablissements Roure Bertrand Fils & Justin Dupont, Paris, France. Natural and synthetic organic chemical compounds suitable for use in the production of flavoring extracts. 276,049, renewed Oct. 7, 1950. O. G. July 10. Class 46.
Societe Anonyme Renaud Paris 1817, Montreuil, Seine, France. Perfumes, eau de cologne, lipstick, etc. 544,858, July 10; Serial No. 592,581, published Apr. 10, 1951. Class 51.
Southland Coffee Company, Atlanta, Ga. Coffee. 544,716, July 10; Serial No. 536,302, published Feb. 13, 1951. Class 46.
Speedway Petroleum Corporation, Detroit, Mich. Self-measuring gasoline pumps. 544,948, July 10; Serial No. 600,401, published Mar. 13, 1951. Class 26.
Speidel Corporation, Providence, R. I. Bracelets. 544,936, July 10; Serial No. 599,664, published Apr. 10, 1951. Class 28.
Spiegel, Inc., Chicago, Ill. Fishing tackle boxes. 544,953, July 10; Serial No. 601,239, published Apr. 17, 1951. Class 22.
Sprague Electric Company, North Adams, Mass. Capacitor and resistor analyzers, radio interference locators, etc. 544,928, July 10; Serial No. 599,198, published Mar. 6, 1951. Class 26.
Standard Brands Incorporated, New York, N. Y. Coffee and tea. 287,441, renewed Sept. 29, 1951. O. G. July 10. Class 46.
Standard Brands Incorporated, New York, N. Y. Coffee and tea. 287,444–5, renewed Sept. 29, 1951. O. G. July 10. Class 46.
Standard Brands Incorporated, New York, N. Y. Compressed and dried yeasts; baking powders; vinegars, etc. 544,843, July 10; Serial No. 590,039, published Mar. 6, 1951. Class 46.
Standard Net Manufacturing Company, The, Beaufort, N. C. Basketball net. 544,989, July 10; Serial No. 588,973. Class 22.
Star Brush Manufacturing Co., Inc., Boston, Mass. Wall, sash and tool brushes, etc. 544,768, July 10; Serial No. 573,987, published Jan. 9, 1951. Class 29.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 544,895, July 10; Serial No. 596,694, published May 1, 1951. Class 39.
Straub, W. F., Company, Chicago, Ill. Extracted honey, prune juice, etc. 544,859, July 10; Serial No. 592,674, published Feb. 27, 1951. Class 46.
Sturm & Scheinberg, Inc., New York, N. Y. Ladies' sanitary belts and men's athletic supporters. 544,719, July 10; Serial No. 540,339, published Apr. 17, 1951. Class 44.
Sunknit, Inc., San Francisco, Calif. Hosiery, underwear, lingerie, etc. 544,752, July 10; Serial No. 569,109, published Apr. 10, 1951. Class 39.
Supergrate Open Steel Flooring Co.: *See*—
Bostrom, Gustav J.
Superior Sleeprite Corporation, Chicago, Ill. Mattresses. 444,250, Sept. 26, 1950. Republished July 10. Class 32.
Sutton Publishing Company, Inc., New York, N. Y. Periodicals. 544,986, July 10; Serial No. 585,815. Class 38.
Swift Spinning Mills, Inc., Columbus, Ga. Cotton yarn. 544,741, July 10; Serial No. 566,252, published May 17, 1949. Class 43.
Swivelier Company, Inc.: *See*—
Reliance Devices Company, Inc.
Takaki, Lily Yuriko, Honolulu, Hawaii. Medicinal preparation. 544,939, July 10; Serial No. 600,011, published Apr. 10, 1951. Class 18.
Tax Foundation, Incorporated, New York, N. Y. Monthly publication. 545,016, July 10; Serial No. 604,059. Class 38.
Tech-N-Kal Machine & Engineering, Detroit, Mich. Douche instrument. 544,925, July 10; Serial No. 598,970, published Apr. 10, 1951. Class 44.
Teirex, Inc., Asbury Park, N. J. Radio and/or television antennas. 545,002, July 10; Serial No. 595,520. Class 21.
Tepper Company, The, New York, N. Y. Non-prescription sun glasses. 544,766, July 10; Serial No. 573,456, published Mar. 27, 1951. Class 26.
Testrite Instrument Co. Inc.: *See*—
Testrite Instrument Company.
Testrite Instrument Company, to Testrite Instrument Co. Inc., New York, N. Y. Optical instruments. 282,928, renewed May 5, 1951. O. G. July 10. Class 26.
Time, Incorporated, New York, N. Y. Weekly magazine. 246,868, Sept. 18, 1928. Republished July 10. Class 38.
Tirman, Irving, Brooklyn, N. Y. Sheeshkebab sandwiches and shashlick sandwiches. 544,872, July 10; Serial No. 594,816, published Feb. 27, 1951. Class 46.
Toledo Dental Products Co., The, Toledo, Ohio. Artificial dentures. 544,929, July 10; Serial No. 599,200, published Apr. 17, 1951. Class 44.
Transform, Inc., Hoboken, N. J. Girdles, corsets, and foundation garments. 544,809, July 10; Serial No. 585,147, published Apr. 17, 1951. Class 39.
Trifari, Krussman & Fishel, Inc., Providence, R. I., and New York, N. Y. Jewelry. 544,855, July 10; Serial No. 592,172, published Apr. 10, 1951. Class 28.
Tropical Paint & Oil Company, The, Cleveland, Ohio. Caulking and glazing compound. 544,887, July 10; Serial No. 596,131, published Apr. 10, 1951. Class 12.
U-Tri Laboratories: *See*—
Riemer, Henry J.
Union Fishermen's Co-Operative Packing Company, Astoria, Oreg. Canned salmon. 82,382, re-renewed June 20, 1951. O. G. July 10. Class 46.
United Aircraft Corporation: *See*—
Chance Vought Corporation.
United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Medicinal preparation. 283,542, renewed June 2, 1951. O. G. July 10. Class 18.
United States Gypsum Company, Chicago, Ill. Asphalt roll roofing. 544,778, July 10; Serial No. 576,725, published Apr. 10, 1951. Class 12.
U. S. Manufacturing Corporation: *See*—
United States Wire Mat Co.
United States Wire Mat Co., to U. S. Manufacturing Corporation, Decatur, Ill. Implements for disabling or killing insects. 83,617, re-renewed Sept. 26, 1951. O. G. July 10. Class 50.
Universal Camera Corporation, New York, N. Y. Cameras and photographic accessories. 544,823, July 10; Serial No. 587,153, published Apr. 10, 1951. Class 26.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 544,901, July 10; Serial No. 597,181, published Mar. 27, 1951. Class 18.
Valcort Hosiery Corporation, New York, N. Y. Ladies' and misses' hosiery. 544,717, July 10; Serial No. 538,680, published Apr. 17, 1951. Class 39.
Vanity Fair Pearls, Inc., Brooklyn, N. Y. Costume jewelry. 544,812, July 10; Serial No. 585,493, published Apr. 10, 1951. Class 28.
Vazquez, Francisco, Inc., Manati, P. R. Canned sliced pineapple, canned crushed pineapple, and canned pineapple juice. 544,876, July 10; Serial No. 595,114, published Mar. 6, 1951. Class 46.
Vernon, Jean, Inc., West Reading, Pa. Ladies' or misses' panties. 544,854, July 10; Serial No. 592,108, published Apr. 17, 1951. Class 39.
Victoria Underwear Company, New York, N. Y. Small sock. 544,844, July 10; Serial No. 590,340, published Apr. 10, 1951. Class 39.
Vincennes Packing Corporation, Vincennes, Ind., assignor to Reconstruction Finance Corporation, St. Louis, Mo. Canned foods. 544,748, July 10; Serial No. 568,129, published Apr. 17, 1951. Class 46.
Vision Products Co., Inc., Newark, N. J. Sun glasses. 544,746, July 10; Serial No. 567,726, published Apr. 3, 1951. Class 26.
Vogue Manufacturing Corp., West Chester, and Grove, Pa. Hosiery. 544,769, July 10; Serial No. 574,000, published Oct. 17, 1950. Class 39.
Ward, Elmer L., Boston, Mass., to Palm Beach Company, Cincinnati, Ohio. Men's, women's, and boys' outer clothing. 285,054, renewed July 14, 1951. O. G. July 10. Class 39.
Weco Products Company, Chicago, Ill. Hair nets. 544,868, July 10; Serial No. 594,006, published Nov. 28, 1950. Class 39.
Welding Apparatus Company, Chicago, Ill. Welding helmet. 544,799, July 10; Serial No. 582,258, published Mar. 6, 1951. Class 26.
West Coast Packing Corporation: *See*—
Italian Food Products Co. Inc.
Italian Food Products Company, Inc.
West Coast Pickle Co., Los Angeles, Calif. Pickles and chili peppers. 544,938, July 10; Serial No. 599,855, published Mar. 13, 1951. Class 46.
Western Fruit Growers, Inc.: *See*—
Peppers Fruit Company.
Wetzel, E. Walter: *See*—
Ordorless Disinfectants, Inc.
Whiting-Adams Company, Inc., Boston, Mass. Wall, sash and tool brushes, and brushes for applying paint, varnish, etc. 544,770, July 10; Serial No. 574,004, published Feb. 27, 1951. Class 29.
Wilbur-Ellis Company: *See*—
California Frozen Foods, Inc.
Wilkin, A. S., Limited, Newcastle-on-Tyne, England. Candles. 544,919, July 10; Serial No. 598,553, published Mar. 13, 1951. Class 46.
Wilkinson, Gaddis & Co., Newark, N. J., to American Stores Company, Philadelphia, Pa. Vinegar, salad oil, tomato catsup, etc. 287,098, renewed Sept. 15, 1951. O. G. July 10. Class 46.
Williams Manufacturing Company, Chicago, Ill. Coin-controlled amusement apparatus. 544,993, July 10; Serial No. 591,132. Class 22.
Williams, Mary C., Lawton, Okla. Girls' dresses. 544,891, July 10; Serial No. 596,545, published Apr. 17, 1951. Class 39.
Wood, J. R., & Sons, Inc., New York, N. Y. Finger rings. 544,790, July 10; Serial No. 579,466, published Apr. 10, 1951. Class 28.
Woolsey, C. A., Paint & Color Co. Inc.: *See*—
Woolsey C. A., Paint & Color Company.

Woolsey, C. A., Paint & Color Company, Jersey City, N. J., to C. A. Woolsey Paint & Color Co. Inc., New York, N. Y. Cold-water paint. 82,545, re-renewed July 4, 1951. O. G. July 10. Class 16.

Woolsey C. A., Paint & Color Company, Jersey City, N. J., to C. A. Woolsey Paint & Color Co. Inc., New York, N. Y. Interior paint. 82,546, re-renewed July 4, 1951. O. G. July 10. Class 16.

Young, Richard, Co., New York, N. Y., to Richard Young Company, Boston, Mass. Leather. 83,464, re-renewed Sept. 12, 1951. O. G. July 10. Class 1.

Young, Richard, Company: *See*—
Young, Richard, Co.

Youngs Rubber Corporation, New York, N. Y. Prophylactic membranous articles. 544,931, July 10; Serial No. 599,358, published Apr. 17, 1951. Class 44.

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving apparatus. 545,001, July 10; Serial No. 594,170. Class 21.

Zira Laboratories: *See*—
Blaisdell, George G.

Zwicker-Graf Mfg. Co., Inc., New York, N. Y. Fishing equipment. 545,019, July 10; Serial No. 604,247. Class 22.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay, Modeling, clay flour, moist clay, etc. American Art Clay Company. 285,067, renewed July 14, 1951. O. G. July 10.

Leather. Richard Young Co. 83,464, re-renewed Sept. 12, 1951. O. G. July 10.

Leather, Finished. A. C. Lawrence Leather Co. 83,586, re-renewed Sept. 26, 1951. O. G. July 10.

Seed corn and hatching eggs. Pioneer Hi-Bred Corn Company. 544,829, July 10; Serial No. 587,906, published Apr. 17, 1951.

Seeds, Flower, vegetable and lawn, flower and vegetable bulbs and roots, etc. Mercantile Stores Company, Inc. 544,784, July 10; Serial No. 578,155, published Apr. 10, 1951.

CLASS 4

Cleansing and polishing compounds. A. Baldwin. 287,077, renewed Sept. 15, 1951. O. G. July 10.

Detergent and degreasing agent. S. E. Orefice. 513,135, Aug. 2, 1949. Canceled June 5, 1951. O. G. July 10.

Soap substitute. Refined Products Company. 425,591, Nov. 26, 1946. Canceled June 5, 1951. O. G. July 10.

CLASS 6

Anti-freeze products. Bond Electric Corporation. 287,394, renewed Sept. 22, 1951. O. G. July 10.

Bleaching water. A. E. Jacobson. 244,701. July 24, 1928. Republished July 10.

Chemical material. Novadel-Agene Corporation. 544,764, July 10; Serial No. 572,043, published Apr. 17, 1951.

Colored emulsion. S. C. Johnson & Son, Inc. 544,990, July 10; Serial No. 589,320.

Deodorizer, Liquid disinfectant. Odorless Disinfectants, Inc. 277,929, Dec. 2, 1930. Republished July 10.

Insect repellents. Gaby Company. 406,756, Apr. 25, 1944. Canceled June 5, 1951. O. G. July 10.

Medicinal garlic preparations, etc. Sandoz Chemical Works, Inc. 300,570, Jan. 24, 1933. Republished July 10.

Parenteral solution. Meyer Chemical Company. 508,641, Apr. 12, 1949. New certificate. O. G. July 10.

Plasticizer for rubber. The Photo Technical Corporation. 544,762, July 10; Serial No. 571,820, published Apr. 17, 1951.

Stearic acid, glycerine, red oil, etc. W. C. Hardesty Company, Inc. 545,012, July 10; Serial No. 603,294.

Stearic acid, glycerine, red oil, etc. W. C. Hardesty Company, Inc. 545,013, July 10; Serial No. 603,366.

CLASS 7

Twine, Tufting. The Linen Thread Co., Inc. 444,527, July 10; Serial No. 523,688, published May 2, 1950.

CLASS 10

Fertilizers. Liebig's Extract of Meat Company Limited. 280,382, renewed Feb. 17, 1951. O. G. July 10.

CLASS 12

Asphaltic material, Rubberized. Servicised Products Corporation. 544,771, July 10; Serial No. 574,355, published Apr. 17, 1951.

Caulking and glazing compound. The Tropical Paint & Oil Company. 544,887, July 10; Serial No. 596,131, published Apr. 10, 1951.

Cement, Portland, and oil-well cement. Permanente Cement Company. 544,826, July 10; Serial No. 587,590, published Apr. 17, 1951.

Chemical compositions used in the construction of bituminous pavement. H. B. Bishop. 544,767, July 10; Serial No. 573,610, published Apr. 10, 1951.

Door installations, Complete upward-acting. Crawford Door Company. 544,892, July 10; Serial No. 596,561, published Apr. 10, 1951.

Ferrous metal products, Specially prepared. Armco Steel Corporation. 544,709, July 10; Serial No. 527,737, published Apr. 10, 1951.

Flooring, Open-type. G. J. Bostrom. 544,732, July 10; Serial No. 557,725, published Jan. 30, 1951.

Insulating siding, Asbalt and felt base. Globe Roofing Products Co., Inc. 544,765, July 10; Serial No. 572,096, published Apr. 10, 1951.

Roofing, Asphalt roll. United States Gypsum Company. 544,778, July 10; Serial No. 576,725, published Apr. 10, 1951.

Rubber floor and wall tile. The Danbury Rubber Company, Inc. 544,802, July 10; Serial No. 582,676, published Nov. 14, 1950.

Wall and crack fillers and caulking compounds. Benwell Corporation. 544,798, July 10; Serial No. 581,164, published Apr. 17, 1951.

Weather strips, Metal-bound felt. Protecto Manufacturing Company. 283,263, renewed May 19, 1951. O. G. July 10.

CLASS 13

Brackets for supporting liquid containers. N. Martinsen. 544,985, July 10; Serial No. 583,484.

Dispensers, Liquid soap. Bobrick Manufacturing Corporation. 286,750, renewed Sept. 1, 1951. O. G. July 10.

Safety belts, hose connectors and cable connectors. C. T. Lewis. 544,991, July 10; Serial No. 589,903.

Swivel attachment. Reliance Devices Company, Inc. 397,306, Sept. 1, 1942. Republished July 10.

Valves for control of fluids. Edward Valves, Inc. 544,979, July 10; Serial No. 579,767.

Valves, Plug. Merco Nordstrom Valve Company. 284,192, renewed June 16, 1951. O. G. July 10.

CLASS 14

Steel bars, Rolled, steel forging, and steel castings. Ludlum Steel Co. 286,590, renewed Sept. 1, 1951. O. G. July 10.

CLASS 15

Lubricants composed of petroleum oils. Cities Service Oil Company. 544,907, July 10; Serial No. 597,665, published Jan. 23, 1951.

Oil, Fuel, range oil. Arrow Petroleum Company. 544,856, July 10; Serial No. 592,355, published Jan. 9, 1951.

CLASS 16

Paint, Cold-water. C. A. Woolsey Paint & Color Company. 82,545, re-renewed July 4, 1951. O. G. July 10.

Paint, Interior. C. A. Woolsey Paint & Color Company. 82,546, re-renewed July 4, 1951. O. G. July 10.

Preservative and finish in the nature of a paint or varnish. International Chemical Company. 283,318, renewed May 26, 1951. O. G. July 10.

CLASS 17

Cigarettes. Fleming-Hall Tobacco Co., Inc. 435,287, Dec. 16, 1947. Republished July 10.

Cigars. L. B. Grabosky. 286,824–5, renewed Sept. 8, 1951. O. G. July 10.

CLASS 18

Anaesthetics. Imperial Chemical (Pharmaceuticals) Limited. 544,917, July 10; Serial No. 598,475, published Apr. 10, 1951.

Antacid preparation. A. H. Robins Company, Inc. 544,956, July 10; Serial No. 606,810, published Apr. 24, 1951.

Botanical drugs. Peek and Velsor, Inc. 287,532, renewed Sept. 29, 1951. O. G. July 10.

Deodorizer, Liquid disinfectant. Odorless Disinfectants, Inc. 277,929, Dec. 2, 1930. Republished July 10.

Medicinal bitters and general tonics. Felice Bisleri & C. 177,130, Dec. 11, 1923. New certificate. O. G. July 10. (Formerly in Class 6.)

Medicinal garlic preparations, etc. Sandoz Chemical Works, Inc. 300,570, Jan. 24, 1933. Republished July 10.

Medicinal herbal preparations. Culpeper House Limited. 544,780, July 10; Serial No. 577,565, published Mar. 27, 1951.

Medicinal ointment. H. J. Riemer. 544,781, July 10; Serial No. 577,688, published Apr. 3, 1951.

Medicinal preparation. Eli Lilly and Company. 544,951, July 10; Serial No. 600,896, published Apr. 10, 1951.

Medicinal preparation. Smith, Kline & French Laboratories. 544,921, July 10; Serial No. 598,686, published Apr. 3, 1951.

Medicinal preparation. L. Y. Takaki. 544,939, July 10; Serial No. 600,011, published Apr. 10, 1951

Medicinal preparation. United Drug Company. 283,542, renewed June 2, 1951. O. G. July 10.

Medicinal preparation. The Upjohn Company. 544,901, July 10; Serial No. 597,181, published Mar. 27, 1951.

Medicinal skin formula, medicated talcum powder, etc. Dornol Products, Inc. 544,808, July 10; Serial No. 584,390, published Apr. 10, 1951.

Nutritive and remedial compound, Liquid. The Arlington Chemical Co. 82,746, re-renewed July 25, 1951. O. G. July 10.

Ointment. B. H. Cloud. 544,743, July 10; Serial No. 566,833, published Apr. 10, 1951.

Ointment. L. C. Finlay. 80,907, re-renewed Feb. 14, 1951. O. G. July 10.

Pharmaceutical composition. The Maltine Company. 544,918, July 10; Serial No. 598,535, published Apr. 3, 1951.

Pharmaceutical preparation. J. J. Gladke. 283,817, renewed June 9, 1951. O. G. July 10.

Pharmaceutical preparation. The S. E. Massengill Company. 544,884, July 10; Serial No. 595,898, published Mar. 27, 1951.

Preparation composed of an active glyceric solution of gastric and pancreatic juices. Istituto Nazionale Medico Farmacologico. 544,972, July 10; Serial No. 572,211.

Preparation used as a stimulant of the mammary glands. American Khellin Corporation. 544,914, July 10; Serial No. 598,056, published Apr. 3, 1951.

Procaine penicillin G. Commercial Solvents Corporation. 544,889, July 10; Serial No. 596,264, published Apr. 3, 1951.

Vitamin containing preparation. Sharp & Dohme, Incorporated. 544,742, July 10; Serial No. 566,548, published Apr. 10, 1951.

Vitamin preparation. Smith, Kline & French Laboratories. 544,920, July 10; Serial No. 598,684, published Apr. 3, 1951.

CLASS 19

Aircraft. Chance Vought Corporation. 286,752, renewed Sept. 1, 1951. O. G. July 10.

Bicycles. Arnold, Schwinn & Co. 376,200, Mar. 12, 1940. Canceled June 5, 1951. O. G. July 10.

CLASS 20

Linoleum. Armstrong Cork Company. 282,992, renewed May 12, 1951. O. G. July 10.

CLASS 21

Antennas, Radio and/or television. Telrex, Inc. 545,002, July 10; Serial No. 595,520.

Batteries, Storage "A" and "B". Sears, Roebuck and Co. 283,215, renewed May 19, 1951. O. G. July 10.

Connectors, Electrical. Reliable Electric Company. 545,018, July 10; Serial No. 604,118.

Connectors, Sheathed electrical. National Products Corporation. 545,011, July 10; Serial No. 602,966.

Electrical attachment plugs and attachment-plug receptacles. Pass & Seymour, Inc. 281,955, renewed Apr. 7, 1951. O. G. July 10.

Radio and television receiving apparatus. Zenith Radio Corporation. 545,001, July 10; Serial No. 594,170.

Sockets for gaseous discharge lamps, Electric. Kulka Electric Mfg. Co., Inc. 544,992, July 10; Serial No. 591,091.

Soldering irons, Electric. E. G. Franklin. 544,976, July 10; Serial No. 576,051.

Vent plugs and liquid level indicators, Combination. National Battery Company. 544,964, July 10; Serial No. 553,631.

CLASS 22

Amusement apparatus, Coin-controlled. Williams Manufacturing Company. 544,993. July 10; Serial No. 591,132.

Artificial bait. The Arnold Tackle Corporation. 545,015, July 10; Serial No. 603,710.

Basketball net. The Standard Net Manufacturing Company. 544,989, July 10; Serial No. 588,973.

Dolls. Jaret & Diamond. 544,978, July 10; Serial No. 577,719.

Fishing equipment. Zwicker-Graf Mfg. Co., Inc. 545,019, July 10; Serial No. 604,247.

Fishing tackle boxes. Spiegel, Inc. 544,953, July 10; Serial No. 601,239, published Apr. 17, 1951.

Game, Punch board. H. T. Greene. 544,997–8, July 10; Serial Nos. 593,273–4.

Playing cards. Kotake Company, Limited. 539,022, Mar. 6, 1951. Corrected. O. G. July 10.

Toys. A. Ciffo. 544,950, July 10; Serial No. 600,719, published Apr. 17, 1951.

CLASS 23

Chain sprockets, Roller and silent. Illinois Gear & Machine Company. 539,226–7, Mar. 13, 1951. Corrected. O. G. July 10.

Screens, Sewage and water, parts and accessories, activated sludge plants, etc. Link-Belt Company. 286,793, renewed Sept. 1, 1951. O. G. July 10.

CLASS 24

Collapsible wall racks used for holding hosiery while drying. Donaco Plastics, Inc. 544,966, July 10; Serial No. 559,220.

Laundry folding machines. American Machine and Metals, Inc. 544,957, July 10; Serial No. 607,410, published Apr. 17, 1951.

CLASS 26

Accounting machines and parts thereof. Powers-Samas Accounting Machines Limited. 544,924, July 10; Serial No. 598,864, published Apr. 3, 1951.

Calculating charts, Adjustable. General Mills, Inc. 544,834, July 10; Serial No. 588,575, published Mar. 27, 1951.

Cameras, aero-cameras; motion-picture cameras and projectors; etc. Meopta, Spojene Zavody pro Jemnou Mechaniku a Optiku, Narodni Podnik. 544,727, July 10; Serial No. 551,649, published Mar. 6, 1951.

Cameras and photographic accessories. Universal Camera Corporation. 544,823, July 10; Serial No. 587,153, published Apr. 10, 1951.

Capacitor and resistor analyzers, radio interference locators, etc. Sprague Electric Company. 544,928, July 10; Serial No. 599,198, published Mar. 6, 1951.

Carpenters', plumbers' and millwrights' levels. International Manufacturing Company. 544,806, July 10; Serial No. 584,125, published Mar. 27, 1951.

Cases for gauges. Manning, Maxwell & Moore, Incorporated. 544,827, July 10; Serial No. 587,737, published Apr. 3, 1951.

Electrical liquid concentration control apparatus. Noble Chemical Corporation. 544,789, July 10; Serial No. 579,050, published Mar. 13, 1951.

Electrical thermolytic apparatus. Baker & Company, Incorporated. 544,905, July 10; Serial No. 597,315, published Mar. 20, 1951.

Frames and mountings, Spectacle. Continental Optical Company, Inc. 544,810, July 10; Serial No. 585,156, published Apr. 10, 1951.

Gasoline pumps, Self-measuring. Speedway Petroleum Corporation. 544,948, July 10; Serial No. 600,401, published Mar. 13, 1951.

Goggles. T. V. Paulson. 544,816, July 10; Serial No. 585,881, published Apr. 3, 1951.

Lenses for television sets, Magnifying. Liquid Lens Corporation. 544,980, July 10; Serial No. 580,890.

Lenses, Magnifying. Marvel-Lens Industries, Inc. 544,831, July 10; Serial No. 588,311, published Apr. 3, 1951.

Measuring and dispensing pumps, Gasoline. National Pumps, Inc. 544,830, July 10; Serial No. 588,179, published Mar. 13, 1951.

Motion picture projectors. DeJur-Amsco Corporation. 544,922, July 10; Serial No. 598,713, published Mar. 13, 1951.

Optical instruments. Testrite Instrument Company. 282,928, renewed May 5, 1951. O. G. July 10.

Optical projection viewer. Cleveland Grinding Machine Co. 544,977, July 10; Serial No. 576,630.

Patterns, Paper dress. Advance Pattern Co., Inc. 544,792, July 10; Serial No. 579,777, published Mar. 6, 1951.

Photo-composing apparatus. R. E. Murphy. 544,760, July 10; Serial No. 571,352, published Mar. 27, 1951.

Photographic apparatus. Peerless Camera Stores, Inc. 544,942, July 10; Serial No. 600,225, published Mar. 27, 1951.

Photographic equipment. Arrowhead, Inc. 544,715, July 10; Serial No. 535,214, published Mar. 27, 1951.

Photographic paper, Sensitized. Eastman Kodak Company. 544,815, July 10; Serial No. 585,637, published Mar. 27, 1951.

Photographic papers, Sensitized. Gevaert Photo-Producten N. V. 544,874, July 10; Serial No. 594,066, published Mar. 6, 1951.

Precision equipment. The Challenge Machinery Company. 544,739, July 10; Serial No. 565,477, published Mar. 27, 1951.

Series of motion picture films. D. P. M. Productions, Inc. 544,828, July 10; Serial No. 587,794, published Apr. 3, 1951.

Small or pocket-size apparatus for demonstrating motion pictures. A. Brickman, Inc. 544,814, July 10; Serial No. 585,560, published Apr. 3, 1951.

Sun glasses. Vision Products Co., Inc. 544,746, July 10; Serial No. 567,726, published Apr. 3, 1951.

Sun glasses, Non-prescription. The Tepper Company. 544,766, July 10; Serial No. 573,456, published Mar. 27, 1951.

Test equipment and apparatus, Electrical. Bendix Aviation Corporation. 544,718, July 10; Serial No. 539,257, published Apr. 3, 1951.

Timers, Reset. American Time Corporation. 544,759, July 10; Serial No. 570,998, published Apr. 10, 1951.

Transparent paper, Light-sensitive. The Frederick Post Company. 544,813, July 10; Serial No. 585,525, published Apr. 3, 1951.

Vacuum testing apparatus. Babson Bros. Co. 544,783, July 10; Serial No. 577,932, published Mar. 20, 1951.

Welding helmet. Welding Apparatus Company. 544,799, July 10; Serial No. 582,258, published Mar. 6, 1951.

CLASS 27

Watches. Sears, Roebuck and Co. 281,467, renewed Mar. 17, 1951. O. G. July 10.

CLASS 28

Bracelets. Speidel Corporation. 544,936, July 10; Serial No. 599,664, published Apr. 10, 1951.
Bracelets, Watch. Jacoby-Bender, Inc. 544,943, July 10; Serial No. 600,267, published Apr. 10, 1951.
Bracelets, Watch. Jacoby-Bender, Inc. 544,944–5, July 10; Serial Nos. 600,284–5, published Apr. 10, 1951.
Diamonds, Cut. The Gem-O-Graph Company. 544,835, July 10; Serial No. 588,641, published Apr. 10, 1951.
Imitations of precious stones. Oval Manufacturing Company, Inc. 544,862, July 10; Serial No. 592,930, published Apr. 17, 1951.
Jewelry. Carol-Deb Company. 544,825, July 10; Serial No. 587,178, published Apr. 17, 1951.
Jewelry. Coro, Inc. 544,861, July 10; Serial No. 592,881, published Apr. 17, 1951.
Jewelry. Trifari, Krussman & Fishel, Inc. 544,855, July 10; Serial No. 592,172, published Apr. 10, 1951.
Jewelry, Costume. Vanity Fair Pearls, Inc. 544,812, July 10; Serial No. 585,493, published Apr. 10, 1951.
Necklaces, bracelets and earrings, Simulated and cultured pearl. Lederer Brothers. 544,946, July 10; Serial No. 600,293, published Apr. 17, 1951.
Rings, Finger. J. R. Wood & Sons, Inc. 544,790, July 10; Serial No. 579,466, published Apr. 10, 1951.

CLASS 29

Brushes, Wall, sash and tool, etc. Star Brush Manufacturing Co., Inc. 544,768, July 10; Serial No. 573,987, published Jan. 9, 1951.
Brushes, Wall, sash and tool, and brushes for applying paint, varnish, etc. Whiting-Adams Company, Inc. 544,770, July 10; Serial No. 574,004, published Feb. 27, 1951.

CLASS 30

Pottery and garden ornaments. E. M. Krekorian. 282,463, renewed Apr. 21, 1951. O. G. July 10.

CLASS 32

Mattresses. Superior Sleeprite Corporation. 444,250, Sept. 26, 1950. Republished July 10.

CLASS 34

Furnaces, Gas. International Sales Company. 544,974, July 10; Serial No. 574,621.
Incandescent mantles. S. F. Appliances, Limited. 544,963, July 10; Serial No. 544,781.

CLASS 35

Brake and clutch lining, Molded, woven, woven-molded. Fibre & Metal Products, Inc. 544,841, July 10; Serial No. 589,064, published Apr. 10, 1951.
Canvas pipe. A. E. Quest & Sons. 544,898, July 10; Serial No. 596,865, published Apr. 10, 1951.
Flexible tubing. The Flexible Tubing Corporation. 544,906, July 10; Serial No. 597,392, published Apr. 10, 1951.
Gaskets, Rubber-like. Rieke Metal Products Corporation. 544,797, July 10; Serial No. 580,948, published Apr. 10, 1951.
Hose. Hercules Company. 352,960, Dec. 21, 1937. Canceled June 5, 1951. O. G. July 10.
Hose assemblies, Flexible. Avica Corporation. 544,777, July 10; Serial No. 576,680, published Apr. 3, 1951.
Hose, Pneumatic. Reed Roller Bit Company. 544,755, July 10; Serial No. 570,433, published Apr. 10, 1951.
Hydraulic packing compounds. M. Pierce. 544,842, July 10; Serial No. 589,986, published Apr. 10, 1951.
Rubber pipe. T. R. Finn. 544,888, July 10; Serial No. 596,158, published Apr. 10, 1951.
Tire patches. L. Peterson. 544,819, July 10; Serial No. 586,307, published Apr. 10, 1951.
Tires, Automobile. C. E. Erdman. 544,736, July 10; Serial No. 561,912, published Apr. 10, 1951.
Tires; tubes; accessories, etc. Cities Service Oil Company. 544,761, July 10; Serial No. 571,408, published Apr. 10, 1951.

CLASS 36

Banjo. Bacon Banjo Co., Inc. 286,572, renewed Sept. 1, 1951. O. G. July 10.
Mouth organs, harmonicas, music boxes, etc. Rexon Inc. 430,556, June 17, 1947. Canceled June 5, 1951. O. G. July 10.
Talking-machines. C. Lindstrom. 82,448, June 27, 1911. Canceled May 15, 1951. O. G. July 10.

CLASS 37

Pens, Writing, drawing, and lettering, fountain pens, etc. The Esterbrook Pen Company. 544,959, July 10; Serial No. 533,839.

CLASS 38

Catalogs and circulars. Free Sewing Machine Co. 544,968, July 10; Serial No. 561,666.
Greeting and paper doll cards. Hall Brothers, Inc. 544,970, July 10; Serial No. 565,427.
Magazine, Weekly. Time, Incorporated. 246,868, Sept. 18, 1928. Republished July 10.
Magazines, Monthly. The Builders' Association of Kansas City, Mo. 286,168, renewed Aug. 18, 1951. O. G. July 10.
Newspaper column, Weekly. J. Morrell. 545,005, July 10; Serial No. 597,007.
Periodical. Simmons-Boardman Publishing Corporation. 544,995, July 10; Serial No. 592,104.
Periodicals. L. E. Crist. 544,996, July 10; Serial No. 592,480.
Periodicals. Park Publishing Co. 544,988, July 10; Serial No. 587,745.
Periodicals. Sutton Publishing Company, Inc. 544,986, July 10; Serial No. 585,815.
Publication, Monthly. Tax Foundation, Incorporated. 545,016, July 10; Serial No. 604,059.
Section of a periodical publication. R. H. Park, Inc. 545,008, July 10; Serial No. 600,224.

CLASS 39

Anklets and socks, Women's and girls'. Butler Brothers. 544,987, July 10; Serial No. 587,011.
Apparel, Men's and boys'. Boyd-Richardson Company. 544,879, July 10; Serial No. 595,592, published Apr. 3, 1951.
Apparel, Women's. Seamprufe Incorporated. 544,952, July 10; Serial No. 600,984, published Apr. 17, 1951.
Belts, Apparel. George L. Robbins, Inc. 284,480, renewed June 30, 1951. O. G. July 10.
Belts, Bathing suit, athletic flannel and elastic headbands, bathing girdles, etc. The O-C Manufacturing Company. 287,322, renewed Sept. 22, 1951. O. G. July 10.
Bibs and underwear, Infants'. Earl & Arlington. 544,840, July 10; Serial No. 589,892, published Apr. 10, 1951.
Blouses, skirts, dresses, etc., Junior and teenage girls'. Ro-Nel of California Co. 544,890, July 10; Serial No. 596,442, published Apr. 10, 1951.
Blouses, Ladies' and misses', and ladies' and misses' blouses and skirts. Morlove Inc. 544,885, July 10; Serial No. 596,113, published Apr. 10, 1951.
Boots and shoes, Leather. Heywood Boot & Shoe Company. 82,691, re-renewed July 18, 1951. O. G. July 10.
Brassières. Peter Pan Foundations, Inc. 544,954, July 10; Serial No. 601,277, published Apr. 17, 1951.
Caps, Uniform. Mid City Uniform Cap Company. 544,871, July 10; Serial No. 594,484, published Mar. 20, 1951.
Coats, Mackinaw, sport coats, stag coats, etc. Mendenhall-Graham Company. 280,533, Feb. 17, 1931. Republished July 10.
Corsets, corset belts, and elastic belts; etc. F. Longden & Company Limited. 544,723, July 10; Serial No. 547,640, published Apr. 10, 1951.
Dickeys, Women's. The Shirtcraft Company, Inc. 399,351, Dec. 29, 1942. Republished July 10.
Dresses. C. & K. Manufacturing Company. 544,725, July 10; Serial No. 550,780, published Apr. 17, 1951.
Dresses, Girls'. M. C. Williams. 544,891, July 10; Serial No. 596,545, published Apr. 17, 1951.
Dresses, Ladies', misses', juniors' and children's. B. S. Kahn & Company, Inc. 544,795, July 10; Serial No. 580,484, published Apr. 17, 1951.
Dresses, pinafores, jumpers, etc., Infants' and children's. The Grace Company. 544,745, July 10; Serial No. 567,515, published Apr. 10, 1951.
Garments, Infants' play. Juniors, Inc. 544,807, July 10; Serial No. 584,238, published Apr. 10, 1951.
Garments, Men's, women's, and children's outer wear. Klinkerfues Mfg. Co. 544,751, July 10; Serial No. 568,378, published Apr. 3, 1951.
Girdles, corsets, and foundation garments. Transform, Inc. 544,809, July 10; Serial No. 585,147, published Apr. 17, 1951.
Gloves. Rice Manufacturing Company. 544,932, July 10; Serial No. 599,453, published Apr. 10, 1951.
Gloves and mittens. The Boss Manufacturing Company. 544,847, July 10; Serial No. 590,799, published Apr. 17, 1951.
Gloves; ties, scarfs, etc. G. Fox & Co. Inc. 279,628, Jan. 20, 1931. Republished July 10.
Hair nets. Princess Pat Products Limited. 285,573, renewed July 28, 1951. O. G. July 10.
Hair nets. Weco Products Company. 544,868, July 10; Serial No. 594,006, published Nov. 28, 1950.
Hat bodies. Henry Pollak, Inc. 544,886, July 10; Serial No. 596,119, published Apr. 3, 1951.
Hats and caps. John B. Stetson Company. 544,895, July 10; Serial No. 596,694, published May 1, 1951.
Hats, Men's. Adam Hat Stores, Inc. 544,824, July 10; Serial No. 587,166, published Apr. 3, 1951.
Hose, Children's three-quarter, infants' and children's socks, etc. Arthur Folster & Sons Limited. 544,744, July 10; Serial No. 567,511, published Apr. 10, 1951.
Hosiery. Vogue Manufacturing Corp. 544,769, July 10; Serial No. 574,000, published Oct. 17, 1950.
Hosiery and underwear, Women's. Loveman, Berger and Teitlebaum, Inc. 544,833, July 10; Serial No. 588,500, published Apr. 17, 1951.
Hosiery for women and girls. S. D. Arrowood & Co., Incorporated. 544,999, July 10; Serial No. 593,773.

Hosiery, Ladies'. M. K. M. Hosiery Mills, Inc. 544,782, July 10; Serial No. 577,803, published Apr. 17, 1951.
Hosiery, Ladies' and misses'. Valcort Hosiery Corporation. 544,717, July 10; Serial No. 538,680, published Apr. 17, 1951.
Hosiery, socks, and underwear, Women's, misses', infants', men's, boys', and juveniles'. Walter W. Moyer Company. 544,801, July 10; Serial No. 582,574, published Apr. 17, 1951.
Hosiery, underwear, lingerie, etc. Sunknit, Inc. 544,752, July 10; Serial No. 569,109, published Apr. 10, 1951.
Hosiery, Women's and children's. Blauner's. 544,839, July 10; Serial No. 589,824, published Apr. 17, 1951.
Knitted goods—namely, sweaters, etc. Lord Jeff Knitting Company, Incorporated. 544,776, July 10; Serial No. 575,147, published Apr. 17, 1951.
Nightgowns. N. Grober. 544,994, July 10; Serial No. 591,848.
Outer clothing, Men's, women's, and boys'. E. L. Ward. 285,054, renewed July 14, 1951. O. G. July 10.
Outer clothing, Women's, children's, and infants'. Newage International, Inc. 544,845, July 10; Serial No. 590,615, published Apr. 17, 1951.
Outer dress, sport, and work shirts, etc., Men's and boys'. Phillips-Jones Corporation. 544,866, July 10; Serial No. 593,555, published Apr. 3, 1951.
Pajamas, Ladies' and children's. Princess Peggy, Inc. 544,911, July 10; Serial No. 597,907, published Apr. 17, 1951.
Pajamas, pajama coats, beach coats, etc. Kaylon Incorporated. 544,913, July 10; Serial No. 597,962, published Apr. 10, 1951.
Panties, Ladies' or misses'. Jean Vernon, Inc. 544,854, July 10; Serial No. 592,108, published Apr. 17, 1951.
Pants or trousers. Siegfried-Maltz Pants Manufacturing Company. 112,029, Apr. 15, 1916. Republished July 10.
Scarfs, kerchiefs, neckties, and ascots. Glensder Textile Corp. 544,852, July 10; Serial No. 591,779, published Apr. 3, 1951.
Shoes. The Chisholm Shoe Company. 279,679, renewed Jan. 20, 1951. O. G. July 10.
Sock, Small. Victoria Underwear Company. 544,844, July 10; Serial No. 590,340, published Apr. 10, 1951.
Sweaters. Olympic Knitwear, Inc. 544,838, July 10; Serial No. 589,736, published Apr. 17, 1951.
Trousers and slacks, Men's and boys'. The Middlshade Company, Inc. 544,832, July 10; Serial No. 588,313, published Apr. 3, 1951.
Undergarments, Women's, misses', and junior misses' or girls'. Albert, Inc. 544,811, July 10; Serial No. 585,412, published Apr. 17, 1951.
Wearing apparel. Miller and Rhoads, Incorporated. 544,796, July 10; Serial No. 580,897, published Apr. 3, 1951.
Wearing apparel for women and children. Hattie Carnegie, Inc. 544,722, July 10; Serial No. 546,952, published Apr. 17, 1951.
Wearing apparel, Ladies'. Glenhaven Ltd. 544,851, July 10; Serial No. 591,725, published Apr. 17, 1951.
Wearing apparel, Men's, women's, children's, and infants'. J. B. Lewis & Sons Limited. 544,804, July 10; Serial No. 583,938, published Apr. 17, 1951.

CLASS 42

Combined automobile or stadium robe and carrying case. Faribault Woolen Mill Company. 545,004, July 10; Serial No. 595,833.
Curtains, Shower. Hygiene Shower Curtain Mfg. Co. Inc. 544,982, July 10; Serial No. 582,309.
Fabrics in the piece, Textile. Burlington Mills Corporation. 544,877, July 10; Serial No. 595,357, published Apr. 3, 1951.
Fabrics, Pile. Behr-Manning Corporation. 398,583, Nov. 10, 1942. Canceled May 22, 1951. O. G. July 10.
Fabrics, Textile. Frankly Fabrics Corp. 512,906, July 26, 1949. Canceled June 5, 1951. O. G. July 10.
Fabrics, Textile. D. B. Fuller & Co., Inc. 545,014, July 10; Serial No. 603,522.
Fabrics, Textile. D. B. Fuller & Co., Inc. 545,017, July 10; Serial No. 604,091.
Piece goods. F. Schumacher & Co. 544,975, July 10; Serial No. 574,791.
Piece goods, Woolen and worsted. Anglo Fabrics Company, Inc. 545,003, July 10; Serial No. 595,753.

CLASS 43

Thread. Belding Heminway Company, Inc. 544,870, July 10; Serial No. 594,354, published Apr. 10, 1951.
Thread and twine, Multiple-filament. The Heminway & Bartlett Mfg. Co. 544,786, July 10; Serial No. 578,391, published Apr. 17, 1951.
Yarn, Cotton. Swift Spinning Mills, Inc. 544,741, July 10; Serial No. 566,252, published May 17, 1949.
Yarn, Synthetic. Eastman Kodak Company. 544,787, July 10; Serial No. 578,496, published Apr. 17, 1951.
Yarns. Courtalds Limited. 281,184–5, renewed Mar. 10, 1951. O. G. July 10.

CLASS 44

Applicators for injection of vaginal prophylactic substances, etc. Lanteen Laboratories, Inc. 287,639, renewed Sept. 29, 1951. O. G. July 10.
Artificial dentures. The Toledo Dental Products Co. 544,929, July 10; Serial No. 599,200, published Apr. 17, 1951.
Atomizers, Perfume. Elizabeth Ames, Incorporated. 544,731, July 10; Serial No. 557,716, published Apr. 10, 1951.
Douche instrument. Tech-N-Kal Machine & Engineering. 544,925, July 10; Serial No. 598,970, published Apr. 10, 1951.
First aid kits. E. D. Bullard Company. 544,747, July 10; Serial No. 567,945, published Apr. 10, 1951.
Glass bottles for shipping and dispensing parenteral solutions. Cutter Laboratories. 544,800, July 10; Serial No. 582,389, published Apr. 10, 1951.
Jock straps, suspensories, and athletic supporters, etc. The O-C Manufacturing Company. 286,882, renewed Sept. 8, 1951. O. G. July 10.
Needles and syringes, Hypodermic, and parts thereof. Randall Faichney Corporation. 544,930, July 10; Serial No. 599,232, published Apr. 17, 1951.
Prophylactic membranous articles. Youngs Rubber Corporation. 544,931, July 10; Serial No. 599,358, published Apr. 17, 1951.
Sanitary belts, Ladies', and men's athletic supporters. Sturm & Scheinberg, Inc. 544,719, July 10; Serial No. 540,339, published Apr. 17, 1951.
Sputum cups, sputum cup holders, etc. Burnitol Manufacturing Co. 544,737, July 10; Serial No. 562,026, published Apr. 10, 1951.
Syringes, Hypodermic, and hypodermic needles. Clay-Adams Company, Inc. 544,926, July 10; Serial No. 598,982, published Apr. 17, 1951.

CLASS 45

Ginger beer, Concentrated brewed. Barnett & Foster. 282,155, renewed Apr. 14, 1951. O. G. July 10.

CLASS 46

Apple juice, prune juice, French salad dressing, etc. Macomber's, Inc. 544,867, July 10; Serial No. 593,733, published Mar. 6, 1951.
Bacon. The Rath Packing Company. 544,947, July 10; Serial No. 600,351, published Apr. 10, 1951.
Biscuit. National Biscuit Company. 81,817, re-renewed May 9, 1951. O. G. July 10.
Biscuit. National Biscuit Company. 82,529, re-renewed July 4, 1951. O. G. July 10.
Biscuits, crackers, bread, etc. National Biscuit Company. 36,221, re-renewed Apr. 9, 1951. O. G. July 10.
Bland proteinaceous powder produced from soybean flakes. Allied Mills, Inc. 544,984, July 10; Serial No. 583,019.
Bread. Ark Bakers, Inc. 544,724, July 10; Serial No. 550,769, published Apr. 17, 1951.
Bread. San Joaquin Baking Company. 544,958, July 10; Serial No. 532,961.
Bread, Loaves of, bread rolls, cinnamon rolls, etc. The Mitchell Bakery. 544,733, July 10; Serial No. 558,408, published Apr. 10, 1951.
Butter. American Stores Company. 287,206, renewed Sept. 15, 1951. O. G. July 10.
Butter. Armour and Company. 544,713, July 10; Serial No. 531,980, published Apr. 17, 1951.
Candies. Allied Confections, Inc. 544,779, July 10; Serial No. 577,161, published Mar. 20, 1951.
Candies. Life Savers Corporation. 545,020, July 10; Serial No. 604,787.
Candies. A. S. Wilkin Limited. 544,919, July 10; Serial No. 598,553, published Mar. 13, 1951.
Candy. Blum's. 544,773, July 10; Serial No. 574,888, published Mar. 20, 1951.
Candy. Blum's. 544,971, July 10; Serial No. 569,244.
Candy. E. J. Brach & Sons. 544,749, July 10; Serial No. 568,236, published Mar. 20, 1951.
Candy. Farley Manufacturing Company. 544,710, July 10; Serial No. 529,619, published Mar. 20, 1951.
Candy. Jaffe Candy Co. 545,000, July 10; Serial No. 593,873.
Candy. Jaffe Candy Co. 545,010, July 10; Serial No. 600,679.
Candy. Jaffe Candy Company. 545,009, July 10; Serial No. 600,678.
Candy. C. E. Karambelas. 544,706, July 10; Serial No. 498,147, published Apr. 17, 1951.
Candy. National Licorice Company. 544,822, July 10; Serial No. 587,121, published Feb. 13, 1951.
Candy bars. Candymasters Incorporated. 544,896–7, July 10; Serial Nos. 596,830–1, published Mar. 20, 1951.
Canned and frozen fish, canned caviar, canned fish paste, etc. Reese of California, Inc. 544,981, July 10; Serial No. 580,947.
Canned asparagus, peas, and corn. Owatonna Canning Company. 544,846, July 10; Serial No. 590,756, published Apr. 17, 1951.
Canned cooked ham. Frederick F. Lowenfels & Son. 544,893, July 10; Serial No. 596,576, published Apr. 10, 1951.
Canned, cooked ham, canned pate de foie, canned corn beef, etc. J. Bolgar. 544,960, July 10; Serial No. 534,082.
Canned dog and cat food. Calo Dog Food Company, Inc. 544,791, July 10; Serial No. 579,733, published Mar. 20, 1951.

Canned fish. Italian Food Products Company, Inc. 245,690, Aug. 21, 1928. Republished July 10.
Canned fish. Italian Food Products Company, Inc. 247,682, Oct. 2, 1928. Republished July 10.
Canned fish. Mondial Company, Inc. 544,869, July 10; Serial No. 594,135, published Mar. 6, 1951.
Canned fish and sea food. T. K. Lee. 544,910, July 10; Serial No. 597,832, published Apr. 10, 1951.
Canned foods. Vincennes Packing Corporation. 544,748, July 10; Serial No. 568,129, published Apr. 17, 1951.
Canned fruits. F. M. Ball & Company. 544,720, July 10; Serial No. 540,630, published Feb. 13, 1951.
Canned fruits. Fillce & Perrelli Canning Company, Inc. 544,962, July 10; Serial No. 541,119.
Canned fruits and fish. Pacific Trading Co., Inc. 284,221, renewed June 16, 1951. O. G. July 10.
Canned ham, smoked ham, bulk pure pork sausage, etc. Rose Packing Company, Inc. 544,738, July 10; Serial No. 563,527, published Mar. 20, 1951.
Canned horse meat. Perk Dog Food Co. 544,894, July 10; Serial No. 596,625, published Mar. 20, 1951.
Canned lobster. Catz American Co., Inc. 544,873, July 10; Serial No. 594,950, published Mar. 13, 1951.
Canned peas. Minnesota Valley Canning Company. 285,942–3, renewed Aug. 11, 1951. O. G. July 10.
Canned peas. Minnesota Valley Canning Company. 285,983, renewed Aug. 11, 1951. O. G. July 10.
Canned peas. Minnesota Valley Canning Company. 286,422, renewed Aug. 25, 1951. O. G. July 10.
Canned pineapple. Libby, McNeill & Libby. 283,995, renewed June 9, 1951. O. G. July 10.
Canned salmon. Union Fishermen's Co-Operative Packing Company. 82,382, re-renewed June 20, 1951. O. G. July 10.
Canned sardines. Bath Canning Company. 544,900, July 10; Serial No. 597,120, published Mar. 6, 1951.
Canned shrimp. The Great Atlantic and Pacific Tea Company. 544,729, July 10; Serial No. 551,710, published Feb. 27, 1951.
Canned sliced pineapple, canned crushed pineapple, and canned pineapple juice. Vazquez Francisco, Inc. 544,876, July 10; Serial No. 595,114, published Mar. 6, 1951.
Carcass beef, lamb, and veal; etc. Armour and Company. 544,712, July 10; Serial No. 531,976, published Feb. 27, 1951.
Chewing gum. Frank H. Fleer Corporation. 278,825, renewed Dec. 30, 1950. O. G. July 10.
Chewing gum. Gumakers of America, Inc. 544,969, July 10; Serial No. 564,120.
Coconut, Shredded. Eskimo Pie Corporation. 544,916, July 10; Serial No. 598,462, published Mar. 13, 1951.
Coffee. Southland Coffee Company. 544,716, July 10; Serial No. 536,302, published Feb. 13, 1951.
Coffee and tea. Standard Brands Incorporated. 287,441, renewed Sept. 29, 1951. O. G. July 10.
Coffee and tea. Standard Brands Incorporated. 287,444–5, renewed Sept. 29, 1951. O. G. July 10.
Coffee, tea, and candy. Manning's, Inc. 544,940, July 10; Serial No. 600,062, published Apr. 10, 1951.
Coffee, tea, cocoa. The Old Dutch Mills, Inc. 281,916, renewed Apr. 7, 1951. O. G. July 10.
Compound powder or mix adapted for use in the manufacture of frozen desserts. American Food Laboratories, Inc. 544,803, July 10; Serial No. 583,583, published Mar. 20, 1951.
Corn, Evaporated or dehydrated green sugar. Cope Brothers. 311,807. Apr. 3, 1934. Canceled June 5, 1951. O. G. July 10.
Cucumber pickles, Bottled. Pikle-Rite Company, Inc. 544,774, July 10; Serial No. 575,090, published Apr. 3, 1951.
Dextrine-maltose food preparation. Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken. 544,758, July 10; Serial No. 570,905, published Mar. 27, 1951.
Eggs, Frozen whole, egg whites, and yolks. Ovson Egg Company. 544,726, July 10; Serial No. 550,932, published Apr. 10, 1951.
Feeds, Murphy Products Company. 544,857, July 10; Serial No. 592,510, published Feb. 13, 1951.
Fish, Fresh and salted. Booth Fisheries Corporation. 544,721, July 10; Serial No. 542,529, published Apr. 3, 1951.
Flour, Wheat. General Mills, Inc. 285,170, renewed July 14, 1951. O. G. July 10.
Flour, Wheat. W. J. Jennison Company. 544,730, July 10; Serial No. 553,863, published Feb. 6, 1951.
Flour, Wheat, and corn meal. E. P. Mitchell Company. 544,735, July 10; Serial No. 559,110, published Mar. 28, 1950.
Food colors, freezing mix, etc. Chr. Hansen's Laboratory, Inc. 544,937, July 10; Serial No. 599,707, published Apr. 17, 1951.
Food concentrate for growing calves. D. A. Long. 544,793, July 10; Serial No. 580,197, published Feb. 6, 1951.
Food for cage birds. Kellogg Seed Company. 544,853, July 10; Serial No. 591,932, published Feb. 6, 1951.
Food product, Packaged. W. L. Mayfield. 544,707, July 10; Serial No. 503,193, published Apr. 17, 1951.
Fruits, Fresh citrus, fresh deciduous fruits, and fresh vegetables. E. W. Lins. 544,941, July 10; Serial No. 600,177, published Apr. 10, 1951.
Fruits, Fresh citrus, fresh deciduous fruits, etc. Peppers Fruit Company. 250,060, Nov. 27, 1928. Republished July 10.
Fruits, Frozen fresh deciduous, and frozen fresh vegetables. California Frozen Foods, Inc. 544,753, July 10; Serial No. 569,114, published Mar. 27, 1951.
Grapes, Fresh. Bonnie Brae Vineyards. 545,006, July 10; Serial No. 598,149.
Honey. R. V. Dexter. 544,711, July 10; Serial No. 531,021, published Feb. 27, 1951.
Honey, Extracted, prune juice, etc. W. F. Straub Company. 544,859, July 10; Serial No. 592,674, published Feb. 27, 1951.
Ice cream cones, Empty. S & S Cone Corporation. 544,817, July 10; Serial No. 586,111, published Apr. 17, 1951.
Ice cream powders. H. C. Brill Co., Inc. 544,740, July 10; Serial No. 565,520, published Apr. 17, 1951.
Jellies and fruit preserves. Pfarr Better Foods. 544,973, July 10; Serial No. 573,892.
Juices, Frozen concentrated. Minute Maid Corporation. 544,881–3, July 10; Serial Nos. 595,844–6, published Mar. 13, 1951.
Milk, Evaporated. Northfield Milk Products Company. 544,935, July 10; Serial No. 599,648, published Apr. 3, 1951.
Mustard. Mother Kern's Products, Inc. 544,734, July 10; Serial No. 558,576, published Mar. 20, 1951.
Natural and synthetic organic chemical compounds suitable for use in the production of flavoring extracts. Société Anonyme des Etablissements Roure Bertrand Fils & Justin Dupont. 276,049, renewed Oct. 7, 1950. O. G. July 10.
Nuts, Pistachio. Wm. M. Allison & Co. 544,757, July 10; Serial No. 570,816, published Mar. 20, 1951.
Peanuts and almonds, Toasted. Franklin Foods, Inc. 544,878, July 10; Serial No. 595,373, published Feb. 13, 1951.
Pickles and chili peppers. West Coast Pickle Co. 544,938, July 10; Serial No. 599,855, published Mar. 13, 1951.
Pickles, Bottled candied sweet midget, bottled sweet mixed pickles, etc. Pikle-Rite Company, Inc. 544,775, July 10; Serial No. 575,091, published Feb. 13, 1951.
Potato chips, pretzels and pretzel sticks. L. F. Schreibman. 544,750, July 10; Serial No. 568,328, published Feb. 27, 1951.
Potatoes, Grower-Shipper Potato Company. 544,967, July 10; Serial No. 561,237.
Poultry, Processed. Canton Poultry Company, Inc. 544,983, July 10; Serial No. 582,887.
Preparation for making tomato aspic. Enzo Jel Company. 544,915, July 10; Serial No. 598,174, published Mar. 6, 1951.
Preparation of full cream milk, separated milk, malt extract, etc. for making a food beverage. Bovril, Limited. 544,864, July 10; Serial No. 593,216, published Apr. 17, 1951.
Raw dehydrated chips. Java Food Products, Inc. 544,805, July 10; Serial No. 584,004, published Apr. 3, 1951.
Rice. Rice Growers Association of California. 544,875, July 10; Serial No. 594,993, published Feb. 6, 1951.
Rolls, Sweet. G. W. Shidler. 544,880, July 10; Serial No. 595,746, published Mar. 27, 1951.
Salad oil, Cottonseed. California Bleaching Water Co. 247,580, Oct. 2, 1928. Republished July 10, 1951.
Salt. The Barton Salt Company. 544,961, July 10; Serial No. 535,460.
Sandwiches, Sheeshkebab, and shashlick sandwiches. I. Tirman. 544,872, July 10; Serial No. 594,816, published Feb. 27, 1951.
Sauce, Prepared. T. Ristorcelli. 544,794, July 10; Serial No. 580,204, published Mar. 20, 1951.
Sausage seasoning. The Dan Perkins Company. 544,708, July 10; Serial No. 503,664, published Apr. 17, 1951.
Sea weeds, Dried, used as a food, etc. Modern Food Products Company. 544,763, July 10; Serial No. 571,984, published July 4, 1950.
Shrimp, Frozen fresh. Marine Products Company. 545,007, July 10; Serial No. 600,178.
"Snack" or traveler's lunch, Packaged. E. S. Pitt. 544,848, July 10; Serial No. 590,874, published Feb. 20, 1951.
Snaps, biscuits, crackers, etc. National Biscuit Company. 36,521, re-renewed June 4, 1951. O. G. July 10.
Tomato paste. Italian Food Products Co., Inc. 247,749, Oct. 2, 1928. Republished July 10.
Turkey, Ready-to-eat boneless roasted. M. Laskin. 544,923, July 10; Serial No. 598,802, published Mar. 13, 1951.
Vegetable shortening. E. F. Drew & Co., Inc. 544,965, July 10; Serial No. 555,998.
Vegetables, Fresh, and fresh cantaloupes. Church & Knowlton. 252,204, Jan. 29, 1929. Republished July 10, 1951.
Vegetables, Fresh, and fresh melons. H. B. Murphy Company. 544,899, July 10; Serial No. 596,931, published Feb. 20, 1951.
Vinegar, salad oil, tomato catsup, etc. Wilkinson, Gaddis & Co. 287,098, renewed Sept. 15, 1951. O. G. July 10.
Wheat-flour. Ballard & Ballard Co. 544,865, July 10; Serial No. 593,460, published Feb. 27, 1951.
Yeasts, Compressed and dried; baking powders; vinegars, etc. Standard Brands Incorporated. 544,843, July 10; Serial No. 590,039, published Mar. 6, 1951.

CLASS 49

Gin. P. Hoppe. 284,876, renewed July 7, 1951. O. G. July 10.

CLASS 50

Appliance covers. W. Alberts. 544,754, July 10; Serial No. 570,401, published Apr. 17, 1951.
Canvases. Acritex, Inc. 544,933, July 10; Serial No. 599,544, published Apr. 17, 1951.
Display signs. American Nevlol Sign Company. 544,850, July 10; Serial No. 591,540, published Apr. 17, 1951.
Drinking straws. John Sexton & Co. 544,788, July 10; Serial No. 578,716, published Apr. 17, 1951.
Implements for disabling or killing insects. United States Wire Mat Co. 83,617, re-renewed Sept. 26, 1951. O. G. July 10.
Rubber sheeting, rubber crib sheeting, and rubber blankets. Archer Rubber Company. 544,728, July 10; Serial No. 551,677, published Apr. 17, 1951.
Traps, Insect. W. E. Brown. 544,821, July 10; Serial No. 586,838, published Apr. 17, 1951.

CLASS 51

Astringents, astringent cerates, bleach creams, etc. H. S. Gompes. 282,362, renewed Apr. 21, 1951. O. G. July 10.
Cologne. R. Hudnut. 544,927, July 10; Serial No. 599,098, published Apr. 17, 1951.
Cosmetic cream, All purpose. C. Morris. 544,863, July 10; Serial No. 593,008, published Apr. 17, 1951.
Cosmetics. Belvidere Creations, Inc. 544,860, July 10; Serial No. 592,750, published Apr. 10, 1951.
Cream make-up. Anatole Robbins, Inc. 544,818, July 10; Serial No. 586,194, published Apr. 17, 1951.
Hair coloring creme. "42" Products, Ltd. 544,909, July 10; Serial No. 597,824, published Apr. 17, 1951.
Dental cleanser. Bonafide Laboratory. 544,902, July 10; Serial No. 597,248, published Apr. 10, 1951.
Hairdressing preparations. F. Batchelor. 544,955, July 10; Serial No. 601,531, published Apr. 10, 1951.
Lipsticks. Christy Cosmetics Inc. 519,755, Jan. 10, 1950. Canceled June 5, 1951. O. G. July 10.
Lipsticks. House of Faril, Inc. 544,912, July 10; Serial No. 597,957, published Apr. 17, 1951.
Lipsticks. Lehn & Fink Products Corporation. 544,934, July 10; Serial No. 599,639, published Mar. 27, 1951.
Perfume, lipstick, cream rouge, and compact rouge. Lehn & Fink Products Corporation. 544,836, July 10; Serial No. 588,693, published Mar. 27, 1951.
Perfume, rouge, toilet water, etc. Academie Scientifique de Beaute. 544,908, July 10; Serial No. 597,721, published Apr. 17, 1951.
Perfumes. Marian Bialac, Inc. 544,714, July 10; Serial No. 532,982, published Mar. 21, 1950.
Perfumes and cologne. Maurice Blanchet Parfums de Luxe Societe Anonyme. 544,785, July 10; Serial No. 578,350, published Apr. 17, 1951.
Perfumes, eau de cologne, lipstick, etc. Societe Anonyme Renaud Paris 1817. 544,858, July 10; Serial No. 592,581, published Apr. 10, 1951.
Permanent waving oil and hair curling lotions. The Glemby Company, Inc. 544,849, July 10; Serial No. 591,480, published Apr. 10, 1951.
Preparation for preventing suntan peeling. G. G. Blaisdell. 544,949, July 10; Serial No. 600,643, published Mar. 27, 1951.
Rouge, face cream, hair lotion, etc. E. Schueller. 544,903, July 10; Serial No. 597,297, published Apr. 17, 1951.
Rouge, face cream, hair lotion, etc. E. Schueller. 544,904, July 10; Serial No. 597,301, published Apr. 17, 1951.
Toilet powders. V. L. Lager. 544,837, July 10; Serial No. 589,581, published Apr. 17, 1951.
Toilet preparations. H. Frieden. 544,772, July 10; Serial No. 574,830, published Apr. 17, 1951.
Tooth paste, shampoo, hair tonic, talcum powder, etc. Handy Andy Community Stores, Inc. of Texas. 330,225, Nov. 26, 1935. Canceled June 5, 1951. O. G. July 10. (Formerly in Class 6.)
Tooth powder and mouth wash. S. P. Phalmo Co. 544,756, July 10; Serial No. 570,720, published Apr. 17, 1951.

CLASS 52

Soap, Toilet. Charles of the Ritz, Inc. 544,820, July 10; Serial No. 586,591, published Apr. 3, 1951.

CLASS 101

The preparation of single slugs or bars of multigraph type. J. Sacks. 545,021, July 10; Serial No. 583,948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bell Telephone Laboratories, Incorporated, assignee: *See*— Holden, William H. T., and Lewis.

Du Pont, E. I., de Nemours & Company, assignee: *See*— Lee, Henry R., and Weinmayr.

Holden, William H. T., Woodside, and B. F. Lewis, Bayside, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Line identification circuit for telephone systems. Re. 23,388, July 10.

Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitro-thiophanthraquinones. Re. 23,389, July 10.

Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Amino-thiophanthraquinones. Re. 23,390, July 10.

Lewis, Benjamin F.: *See*— Holden, William H. T., and Lewis.

Weinmayr, Viktor: *See*— Lee, Henry R., and Weinmayr.

LIST OF PLANT PATENTEES

Smith, Henry F., Dover, Ark., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Peach tree. 1,021, July 10.

Stark Bro's Nurseries and Orchards Company, assignee: *See*— Smith, Henry F.

LIST OF DESIGN PATENTEES

Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Combination television and radio-phonograph cabinet. 163,838, July 10.

Adlerberg, Vasili, assignor to Sherneth Corporation, New York, N. Y. Pin-clip or the like. 163,839, July 10.

Adlerberg, Vasili, assignor to Sherneth Corporation, New York, N. Y. Pendant or the like. 163,840, July 10.

Admiral Corporation, assignee: *See*— Adler, Samuel E.

American Seating Company, assignee: *See*— Lindberg, William S.

Andriessen, Jack, Los Angeles, Calif. Advertising display. 163,841, July 10.

Angelus, Kean C., Washington, D. C. Game board. 163,842, July 10.

Autopoint Company, assignee: *See*— Beckstrom, Garfield L.

Barr, Budd, Detroit, Mich. Gasoline door guard. 163,843, July 10.

Bazur, Steve, and G. W. Kaiser, Reno, Nev. Souvenir plaque. 163,844, July 10.

Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Removable cap for mechanical pencil or similar article. 163,845, July 10.

Bloom, Charles, Inc., assignee: *See*— Kent, Rockwell.

Boyd, John B., Santa Monica, Calif. Planter. 163,846, July 10.

Brocken, Karl, Milwaukee, Wis. Drink accessory cabinet. 163,847, July 10.

Brockway, Walter L., Auburn Township, Geauga County, assignor to A. Medert, trustee, Cleveland, Ohio. Combined tractor radiator cover and hood. 163,848, July 10.

Burroughs, Clarence M., Glendale, assignor to Burroughs Manufacturing Corporation, Los Angeles, Calif. Batter bowl. 163,849, July 10.

Burroughs Manufacturing Corporation, assignee: *See*— Burroughs, Clarence M.

Campbell, Edward F., Jeffersonville, Ind. Drafting instrument. 163,850, July 10.

Carr, William J., assignor to Heywood-Wakefield Company, Gardner, Mass. Cabinet with multiple drawers and compartments. 163,851, July 10.

Carr, William J., assignor to Heywood-Wakefield Company, Gardner, Mass. Cabinet with drawer and compartment. 163,852, July 10.

Cerracchio, Enrico, Brooklyn, N. Y. Religious illusion plaque. 163,853, July 10.

Chambers Mfg. Co., assignee: *See*— Moanfeldt, Samuel.

Cone Automatic Machine Company, Inc., assignee: *See*— Ranney, Herbert H.

Day, John F., Englewood, N. J., and H. F. Maschin, assignors to The Westfield Manufacturing Company, Westfield, Mass. Bicycle tank. 163,854, July 10.

Del Riccio, Lorenzo, Los Angeles, Calif., assignor to Wide Vision Optics Inc., Chicago, Ill. Binocular. 163,855, July 10.

Di Addario, Thomas D., Buffalo, N. Y. Clockface. 163,856, July 10.

Doyle, Charles J., assignee: *See*— Silwinski, Eugene T.

Fletcher Aviation Corp., assignee: *See*— Thorp, John W.

Frimerman, Isidore, New York, N. Y. Combination baby formula mixer and dispenser. 163,857, July 10.

Gaster, Myron L., assignor, by mesne assignments, to Mawsaid Products, Inc., Duluth, Minn. Line holder. 163,858, July 10.

General American Transportation Corporation, assignee: *See*— Jones, Charles E.

General Electric Company, assignee: *See*— McFarland, Donald L.

Geoffrion, Arthur J., Manhasset, N. Y. Watchcase. 163,859, July 10.

Geoffrion, Arthur J., Manhasset, N. Y. Watchcase. 163,860, July 10.

Geoffrion, Arthur J., Manhasset, N. Y. Watchcase. 163,861, July 10.

Geoffrion, Arthur J., Manhasset, N. Y. Watchcase. 163,862, July 10.

Geoffrion, Arthur J., Manhasset, N. Y. Watchcase. 163,863, July 10.

Gold, Michael, New York, N. Y. Combination clock, thermometer, and barometer. 163,864, July 10.

Gotham Hosiery Company, Inc., assignee: *See*— Voice, Sidney P.

Griffith Manufacturing Co., Inc., assignee: *See*— Griffith, Vernon D.

Griffith, Vernon D., assignor to Griffith Manufacturing Co., Inc., Omaha, Nebr. Combination cigarette pack and coin container. 163,865, July 10.

Halpert, Myra, St. Albans, N. Y. Figurine or the like. 163,866, July 10.

Hamilton Art Metal Corporation, assignee: *See*— Wedemeyer, Eric.

Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 163,867, July 10.

Heywood-Wakefield Company, assignee: *See*— Carr, William J.

Hickok Manufacturing Co. Inc., assignee: *See*— Spanganberg, Clifford A.

Hillery, Arthur M., Leominster, Mass. Animated toy figure. 163,868, July 10.

Hinman, George R., Sands Point, assignor to Pioneer Scientific Corporation, New York, N. Y. Sunglass. 163,869, July 10.

International Harvester Company, assignee: *See*— Koeber, Theodore H.

Iwanoski, Michael, Newark, N. J. Combined wall bracket and flower holder or the like. 163,870, July 10.

Jones, Charles E., assignor to General American Transportation Corporation, Chicago, Ill. Bottle carrier. 163,871, July 10.

Jones, Charles E., assignor to General American Transportation Corporation, Chicago, Ill. Bottle carrier. 163,872, July 10.

Jones, Charles E., assignor to General American Transportation Corporation, Chicago, Ill. Bottle carrier. 163,873, July 10.

Kaiser, George W.: *See*—
Bazur, Steve, and Kaiser.

Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 163,874, July 10.

Kaupmann, Frederick, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Cigar lighter or similar article. 163,875, July 10.

Kent, Rockwell, Au Sable Forks, assignor to Charles Bloom Inc., New York, N. Y. Textile fabric or similar article. 163,876, July 10.

Kent, Sanford, J. H. Lehman, and D. R. Lippman, assignors to Power Tool Rentals, Inc., Los Angeles, Calif. Portable tool cabinet or similar article. 163,877, July 10.

Koeber, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Centrifugal cream separator. 163,878, July 10.

Koeber, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Centrifugal cream separator. 163,879, July 10.

Kowsky, Henry, Rochester, N. Y. Sectional sandwich plate. 163,880, July 10.

Lehman, Jehiel H.: *See*—
Kent, Sanford, Lehman, and Lippman.

Liberman, Alex J., Los Angeles, Calif. Combination merchandise display case and cashbox. 163,881, July 10.

Lindberg, Albert W., Jr., Bayonne, N. J. Mailbox. 163,882, July 10.

Lindberg, William S., assignor to American Seating Company, Grand Rapids, Mich. Chair end standard. 163,883, July 10.

Lippman, Doris R.: *See*—
Kent, Sanford, Lehman, and Lippman.

Mandt Manufacturing Company, assignee: *See*—
Mandt, Vernon G.

Mandt, Vernon G., assignor to Mandt Manufacturing Company, Columbus, Ohio. Portable loader. 163,884, July 10.

Maschin, Harold F.: *See*—
Day, John F., and Maschin.

Mawsaid Products, Inc., assignee: *See*—
Gaster, Myron L.

McFarland, Donald L., Stratford, Conn., assignor to General Electric Company. Automatic controller or the like. 163,885, July 10.

Medert, Adrian, trustee, assignee: *See*—
Brockway, Walter L.

Mercer, Norman J., Brooklyn, N. Y. Spoon or similar article. 163,886, July 10.

Mercer, Norman J., Brooklyn, N. Y. Spoon or similar article. 163,887, July 10.

Merillat, Harold, New York, N. Y. Cover for cosmetic bottles and the like. 163,888, July 10.

Meyer, Jerry, New York, S. Strauss, Bellport, and S. Stutzel, New York, N. Y. Combined ash tray and holder for coins, game chips, cigarettes, and matches. 163,889, July 10.

Milavec, Joseph J., Cleveland, Ohio. Thermometer support. 163,890, July 10.

Miles, William A., Dallas, Tex. Merchandise display rack or similar article. 163,891, July 10.

Mitchell, David, Jr., Rosemead, Calif. Combined flashlight clamp and mounting bracket therefor. 163,892, July 10.

Moanfeldt, Samuel, assignor to Chambers Mfg. Co., New York, N. Y. Watchband. 163,893, July 10.

Morroni, Peter, Leominster, Mass. Comb. 163,894, July 10.

Motor Products Corporation, assignee: *See*—
Walter, John H.

Murphy, Albert L., Trona, Calif. Badge. 163,895, July 10.

Nichols, Glen R., Chicago, Ill. Grave marker. 163,896, July 10.

Oakes, Harry, Long Island City, assignor to A. L. Siegel Co., Inc., New York, N. Y. Wall-hanging holder for kitchen accessories. 163,897, July 10.

Olson, Ronald J., Pelican Rapids, Minn. Table rack. 163,898, July 10.

Peirce, Charles P., assignee: *See*—
Steinbach, Emil C.

Platti, Sauzio P. V., Milan, Italy. Motor scooter. 163,899, July 10.

Pioneer Scientific Corporation, assignee: *See*—
Hinman, George R.

Pope, Thomas E.: *See*—
Richardson, Louis K., and Pope.

Power Tool Rentals, Inc., assignee: *See*—
Kent, Sanford, Lehman, and Lippman.

Ranney, Herbert H., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt. Single spindle automatic lathe. 163,900, July 10.

Renna, Michele, Los Angeles, Calif. Buffet bar. 163,901, July 10.

Richardson, Louis K., Seattle, Wash., and T. E. Pope, Kodiak, Territory of Alaska. Edible container. 163,902, July 10.

Ronson Art Metal Works, Inc., assignee: *See*—
Kaupmann, Frederick.

Sherneth Corporation, assignee: *See*—
Adlerberg, Vasili.

Siegel, A. L., Co., Inc., assignee: *See*—
Oakes, Harry.

Singer, Hyman, New York, N. Y. Slipper or similar article. 163,903, July 10.

Sliwinski, Eugene T., Chicago, Ill., assignor, by mesne assignments, to C. J. Doyle, Houston, Tex. Gauge mechanism housing. 163,904, July 10.

Spallone, Louis S., Denver, Colo. Whistling whirling toy. 163,905, July 10.

Spanganberg, Clifford A., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Alphabet for forming monograms or the like. 163,906, July 10.

Spanganberg, Clifford A., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Alphabet for forming monograms or the like. 163,907, July 10.

Spanganberg, Clifford A., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Alphabet for forming monograms or the like. 163,908, July 10.

Steinbach, Emil C., Chicago, assignor to C. P. Peirce, Evanston, Ill. Wire magazine. 163,909, July 10.

Steinbach, Emil C., Chicago, assignor to C. P. Peirce, Evanston, Ill. Wire recorder. 163,910, July 10.

Strauss, Siegbert: *See*—
Meyer, Jerry, Strauss, and Stutzel.

Stutzel, Sender: *See*—
Meyer, Jerry, Strauss, and Stutzel.

Sutter, Ernest E., Milwaukee, Wis. Compound tool. 163,911, July 10.

Tapco, Inc., assignee: *See*—
Taylor, Harold F.

Taylor, Harold F., assignor to Tapco, Inc., Springfield, Ohio. Combined container and slicer. 163,912, July 10.

Thorp, John W., Burbank, assignor to Fletcher Aviation Corp., Pasadena, Calif. Airplane. 163,913, July 10.

Voice, Sidney P., Hewlett, assignor to Gotham Hosiery Company, Inc., New York, N. Y. Stocking box. 163,914, July 10.

Wall, Harry L., East St. Louis, Ill. Sugar dispenser. 163,915, July 10.

Walter, John H., Grosse Pointe, assignor to Motor Products Corporation, Detroit, Mich. Refrigerator cabinet. 163,916, July 10.

Wassner, Dorothy K., New York, N. Y. Quilt cover or similar article. 163,917, July 10.

Wedemeyer, Eric, Floral Park, assignor to Hamilton Art Metal Corporation, New York, N. Y. Combined ash tray and snuffer. 163,918, July 10.

Werner, Oscar F., San Bruno, Calif. Container and dispenser for book matches. 163,919, July 10.

Westfield Manufacturing Company, The, assignee: *See*—
Day, John F., and Maschin.

Wide Vision Optics Inc., assignee: *See*—
Del Riccio, Lorenzo.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrahamson, Charles M., Aurora, Ill., assignor to All-Steel Equipment Inc. Drawer locking mechanism. 2,559,579, July 10.

Abrahamson, Charles M., Aurora, Ill., assignor to All-Steel Equipment Inc. Desk. 2,560,400, July 10.

Acme Tank & Welding Co., a Division of United Tool & Die Company, assignee: *See*—
Clark, Stanley J.

Adams, Chester E.: *See*—
Johnson, Carl E., and Adams.

Adler, Charles, Jr., Baltimore, Md. Airplane proximity indicator. 2,560,265, July 10.

Agamaite, Edward, Jr., assignor to Fort Howard Paper Company, Green Bay, Wis. Paper dispenser. 2,560,061, July 10.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Dunning, John W., Frye, and Lathrop.
Houston, David F., and Kester.
Jansen, Eugene F.
Lockwood, Lewis B., and Nelson.
Mehltretter, Charles L.
Rehberg, Chessie E.

Ahlberg, Lars F. B., Ektorp, and S. T. F. Sundberg, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Arrangement for night watchman controls. 2,559,746, July 10.

Aid, Joseph J.: *See*—
Bolton, Philip S., and Aid.

Aiello, Anthony and J., assignors of one-third to Hyman and Harry Landaw, trading and doing business as Landaw Brothers, Pittsburgh, Pa. Automatic machine for sequentially immersing machine parts in successive cleaning liquids. 2,559,921, July 10.

Aiello, Joseph: *See*—
Aiello, Anthony and J.

Aircraft Radio Corporation, assignee: *See*—
Noyes, Atherton, Jr.

Air-Shields, Inc., assignee: *See*—
Grieb, Benjamin C.

Aklin, George H., assignor to Eastman Kodak Company, Rochester, N. Y. High aperture corrected photographic objective comprising five components in axial alignment. 2,559,836, July 10.

Aktiebolaget Håkanssons Industrier, assignee: *See*—
Westin, Johan T.

Aktiebolaget Svenska Elektronror, assignee: *See*—
Bergö-Heineman, Anna M.

Aktiengesellschaft der Eisen-und Stahlwerke vormals Georg Fischer, assignee: *See*—
Künzi, Karl.

Albert, Harry E.: *See*—
Eberly, Kenneth C., Smith, and Albert.

Albert, Harry E., and G. E. P. Smith, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Butadiene-styrene rubbery copolymer stabilized with antimonyl-4,6-dimethyl catecholate. 2,560,029, July 10.

Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Halo-alkylphenol stabilizers for synthetic rubber. 2,560,044, July 10.

Aldeborgh, Erik H., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Snap gauge construction. 2,560,203, July 10.

Alexander, Bruce T., assignor to The Girdler Corporation, Louisville, Ky. Stabilization of aqueous amine solutions against oxidation and corrosion in gas separation processes. 2,559,580, July 10.

Alexander, Everett C., Charlottesville, Va., assignor to Southern Welding & Machine Company. Bulldozer attachment for tractors. 2,559,816, July 10.

Alfreds, Torris H., Park Ridge, Ill., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Egg packing material. 2,560,402, July 10.

Allen, Herbert, and G. E. Nevill, assignors to Cameron Iron Works, Inc., Houston, Tex. Plug type valve and seal therefor. 2,559,695, July 10.

Allen, Raymond W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Airplane landing gear. 2,560,030, July 10.

Allen, Sidney, assignor to Armstrong Siddeley Motors Limited, Coventry, England. Liquid fuel combustion chamber for turbine units. 2,560,401, July 10.

Alliance Manufacturing Company, The, assignee: *See*—
Schneider, Emmor V.

Alliger, Glen, Boston Heights, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Thio-2-furamides. 2,560,035, July 10.

Alliger, Glen, Boston Heights, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Preparation of thioamides. 2,560,046, July 10.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Sealey, William C.

All-Steel Equipment Inc., assignee: *See*—
Abrahamson, Charles M.

Alspaugh, James S., Portsmouth, Ohio. Transmission. 2,559,922, July 10.

Alspaugh, James S., Portsmouth, Ohio. Transmission. 2,559,923, July 10.

Ambelang, Joseph C.: *See*—
Kitchen, Leland J., and Ambelang.

American Can Company, assignee: *See*—
Pottle, Ralph K.

American Cyanamid Company, assignee: *See*—
Day, Harold M., and Wrotnowski.
Lindenfelser, Richard.
Suen, Tzeng-Jiueq.
West, Herbert J., and Enterline.

American Machine and Metals, Inc., assignee: *See*—
Fischer, Otto.

American Metal Company, Limited, The, assignee: *See*—
Kalbach, John C.

American Optical Company, assignee: *See*—
Gradisar, Albin A.

American Viscose Corporation, assignee: *See*—
Bauer, Ernest K.
Little, John W., and Francis.
Roberts, Ingham S.

Ames, B. C., Co., assignee: *See*—
Ames, Warren.

Ames, Butler, Boston, assignor to The Walkabout Company, Lowell, Mass. Portable support for invalids. 2,560,062, July 10.

Ames, Warren, Newton, assignor to B. C. Ames Co., Waltham, Mass. Thickness gauge for compressible material. 2,559,912, July 10.

Amesbury, Robert R., Wellesley, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Friction nut. 2,560,518, July 10.

Anders, Roy, Center Township, Marshall County, Ind. Mason's line holder. 2,559,697, July 10.

Anderson Die Casting & Engineering Corporation, assignee: *See*—
Bennett, James C.

Anderson, John E., Minneapolis, Minn. Trestle bracket. 2,559,696, July 10.

Anderson, Raymond T., Lakewood, assignor to The V. D. Anderson Company, Cleveland, Ohio. Plug drain for solvent extraction plants. 2,560,147, July 10.

Anderson, Thomas F., Huntsville, Ala., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Thermosetting polyester compositions containing dibydroxy diphenyls. 2,559,837, July 10.

Anderson, Thomas F., Huntsville, Ala., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Thermosetting polyester compositions containing thiophenols. 2,559,838, July 10.

Anderson, V. D., Company, The, assignee: *See*—
Anderson, Raymond T.

Andren, Karl H., assignor to Artos Engineering Company, Milwaukee, Wis. Automatic strand feed regulator. 2,560,204, July 10.

Andren, Karl H., Greenfield, assignor to Artos Engineering Company, Milwaukee, Wis. Shoelace packaging. 2,560,205, July 10.

Andrew, William K., Wauwatosa, and A. H. Fotsch, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool positioning mechanism. 2,559,839, July 10.

Anglo-Iranian Oil Company Limited, assignee: *See*—
Jenkins, Gwilym I.

Arabian, Karekin G., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Wax emulsion. 2,560,148, July 10.

Arkell & Smiths, assignee: *See*—
Grupe, William F., and Bamford.

Armacost, Wilbur H., Scarsdale, assignor to Combustion Engineering-Superheater, Inc., New York, N. Y. Support for elements of superheaters and other heat exchangers. 2,560,063, July 10.

Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Positioning mechanism for machine tools. 2,560,149, July 10.

Armstrong, Charles E., Oakwood, Okla. Trap. 2,559,924, July 10.

Armstrong, Charles E., assignor to Electric Controls Inc., Portland, Oreg. Controlling temperature from a plurality of remote points or zones. 2,560,322, July 10.

Armstrong Cork Company, assignee: *See*—
Hill, Ralph M.

Armstrong Siddeley Motors Limited, assignee: *See*—
Allen, Sidney.

Arthur, Richard P.: *See*—
Earle, Edwin L., Arthur, and Bellamy.

Arthur, Robert L., Ramona, Calif. Ice cream dispenser. 2,559,840, July 10.

Artos Engineering Company, assignee: *See*—
Andren, Karl H.

Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Processing carbonaceous solids. 2,560,403, July 10.

Ashkenas, Irving L., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Fully powered airplane control system. 2,559,817, July 10.

Aspenwall, Carl S., assignor to Eagle Industries, Inc., Chicago, Ill. Sun visor for cabriolets. 2,559,841, July 10.

Assmar, Thomas D., Jewett City, Conn. Hiccup treating apparatus. 2,560,404, July 10.

Astry, Perry D., Shaker Heights, Ohio. Adjustable loading dock. 2,560,064, July 10.

Atlantic Refining Company, The, assignee: *See*—
Ramser, John H.

Atlas Powder Company, assignee: *See*—
Barker, George E.

Attorney General of the United States, vested in the, assignee: *See*—
Drouilly, Eugene J.

Auñero, John M., Plandome, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Electric sound horn. 2,560,323, July 10.

Automatic Electric Laboratories, Inc., assignee: *See*—
Grandstaff, Otho D.
Jones, Roy W.

Avrick, Abraham, New York, N. Y. Sealing machine attachment for gummed tape dispensers. 2,560,065, July 10.

Babcock, William S., Jr., Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Switching key with roller actuating means. 2,560,324, July 10.

Babington, Henry M., Lilliwaup, Wash. Bait dispenser. 2,560,381, July 10.

Back, Leonard, assignor to The Interstate Folding Box Company, Middletown, Ohio. Apparatus for setting up cartons. 2,560,405, July 10.

Bacon, Walter M., New York, and E. F. Watson, Larchmont, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communicating system. 2,560,266, July 10.

Bahre, George L., Meriden, Conn. Stereoscopic magnifier. 2,559,698, July 10.

Bailey, Robert S., assignor to International Standard Electric Corporation, New York, N. Y. Transverse traveling wave amplifier. 2,559,581, July 10.

Bailey, Robert S., assignor to International Standard Electric Corporation, New York, N. Y. Microwave generator. 2,559,582, July 10.

Baker, Barbara R., and F. C. Zartman, New York, N. Y. Hairband. 2,560,267, July 10.

Baker, Harold T., Baton Rouge, La., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,560,325, July 10.

Ballam, Harold J., New Orleans, La. Seat mutilation signal system. 2,560,268, July 10.

Bamford, Arthur P.: *See*—
Grupe, William F., and Bamford.

Bannister, Clyde E., Houston, Tex. Shaft-oscillating fluid-actuated motor having spring-and-latch valve-reversing means. 2,559,842, July 10.

Barbetta, Anthony: *See*—
Dunbar, Frank, and Barbetta.

Bard, Ia Lene: *See*—
Bard, Melvin and I. L.

Bard, Melvin and I. L., San Francisco, Calif. Hat holder. 2,559,699, July 10.

Barker, Clemon W., Wichita, Kans., assignor, by mesne assignments, to Wilton Tool Manufacturing Co., Chicago, Ill. Work holder device. 2,559,925, July 10.

Barker, George E., assignor to Atlas Powder Company, Wilmington, Del. Solid compositions containing polyoxyethylene esters. 2,559,583, July 10.

Barker, George E., assignor to Atlas Powder Company, Wilmington, Del. Solid compositions containing polyoxyethylene aliphatic amines and amides. 2,559,584, July 10.

Barr, Francis A., Laureiton, N. Y. Drill jig. 2,560,382, July 10.

Barry, Adelbert, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Clamping device for gravity meters. 2,560,326, July 10.

Bastian-Blessing Company, assignee: *See*—
Thompson, Parke H.

Batchelder, Laurence, Cambridge, Mass., assignor to Raytheon Manufacturing Company. Hydrophone mounting. 2,560,066, July 10.

Batchelor, Clyde S., Upper Stepney, and F. C. Stanley, Fairfield, Conn., assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Production of cone clutch members. 2,559,747, July 10.

Batchelor, Clyde S., Upper Stepney, and E. L. Carey, Bridgeport, Conn., assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Apparatus for bonding brake linings to brake shoes. 2,559,748, July 10.

Bateman, James T., Norfolk, Va. Clothesline prop. 2,560,150, July 10.

Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Fiber cutter. 2,559,700, July 10.

Beach, James E.: *See*—
Patterson, John L., Beach, and Feldbauer.

Beacon Manufacturing Company, assignee: *See*—
Riddle, Jeter H., and Reed.

Beatty, Robert D., Birmingham, Ala. Industrial truck and bunker. 2,560,206, July 10.

Bechle, Rudolph P.: *See*—
Potdevin, Adolph, and Bechle.

Beck, Lloyd W., and A. R. Gilbert, United States Navy, and J. K. Wolfe, Bethesda, Md. Preparation of sulfonic acid compounds. 2,559,585, July 10.

Becker, Irven S., Kelso, Wash., assignor to M and M Wood Working Company, Portland, Oreg. Hog machine having rotary cutter and feed conveyer. 2,559,701, July 10.

Becton Dickinson and Company, assignee: *See*—
Ferguson, Garwood W.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Television system. 2,559,843, July 10.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Shiftable rotary stud fastener. 2,560,519, July 10.

Beebe, John D., Detroit, Mich., assignor of one-half to J. C. Schwartz, New York, N. Y. Anode basket. 2,559,926, July 10.

Beeson, John R., Shepherd, Tex. Tenoning machine. 2,560,068, July 10.

Bell & Howell Company, assignee: *See*—
Johnson, Elmer L.

Bell, Leland J., North Sacramento, Calif. Device for folding the legs of an eviscerated bird. 2,560,067, July 10.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bacon, Walter M., and Watson.
Holdaway, Vivian L.
Kerwien, Arthur E.
Peck, Donald S.
Stieritz, William G.

Bellamy, John I.: *See*—
Earle, Edwin L., Arthur, and Bellamy.

Bellamy, John I., Brookfield, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Selector switching system. 2,559,702, July 10.

Beloungy, James J., Minneapolis, Minn. Sight for archers' bows. 2,559,927, July 10.

Benischek, Victor V., Albuquerque, N. Mex. Apparatus for molding concrete blocks. 2,560,208, July 10.

Bennett, Harold F.: *See*—
Kingslake, Rudolf, and Bennett.

Bennett, Harold F., assignor to Eastman Kodak Company, Rochester, N. Y. Optical objective system comprising a positive member and a negative auxiliary member. 2,559,844, July 10.

Bennett, James C., Inglewood, assignor to Anderson Die Casting & Engineering Corporation, Los Angeles, Calif. Tilting device for Venetian blinds. 2,559,928, July 10.

Benning, Anthony F., Woodstown, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Fluorinated aliphatic phosphates as emulsifying agents for polymerizations. 2,559,749, July 10.

Berggren, Lloyd E., Roseland, and W. C. Schaffer, Fair Lawn, N. J., assignors to Wright Aeronautical Corporation. Annular combustion chamber with circumferentially spaced double air-swirl burners. 2,560,207, July 10.

Bergman, Sam, New Orleans, La. Dispensing machine. 2,560,327, July 10.

Bergman, Stephen A., Mission, Kans., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Pipe laying cradle. 2,559,703, July 10.

Bergö-Helneman, Anna M., assignor to Aktiebolaget Svenska Elektronror, Stockholm, Sweden. Coating electrical contact pins. 2,560,151, July 10.

Bergsland, Einar, Oslo, Norway. Carrying frame for rucksacks. 2,560,406, July 10.

Berkson, Maurice J., Highland Park, assignor to Columbia Fastener Company, Chicago, Ill. Packaging folder for snap fasteners. 2,560,520, July 10.

Berl, Ernst, deceased, Pittsburgh, Pa., by W. G. Berl, executor, Pittsburgh, Pa. Storage of liquid fuels. 2,560,152, July 10.

Berl, Walter G., executor: *See*—
Berl, Ernst, deceased.

Berner, Erling, assignor to Isoleringsaktiebolaget WMB, Goteborg, Sweden. Insulated wall and room. 2,560,269, July 10.

Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyfluoroalkanoic compounds and their preparation. 2,559,629, July 10.

Berry, Kenneth L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous colloidal dispersions of polytetrafluoroethylene and the formation of shaped structures therefrom. 2,559,750, July 10.

Berry, Kenneth L., Hockessin, assignor to E. I. du Pont de Memours and Company, Wilmington, Del. Aqueous colloidal dispersions of polymers. 2,559,752, July 10.

Berry, Kenneth L., Hockessin, and J. A. Bittles, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluoroalkylsulfuric compounds. 2,559,751, July 10.

Bestehorn, Heinrich H., Glen Rock, and W. Schmidt-Nickels, Little York, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Metalliferous monoazo dyestuffs. 2,560,502, July 10.

Bevan, John G., assignor to Guggenheim Brothers, New York, N. Y. Sewage treatment. 2,559,704, July 10.

Bielstein, Walter J., Houston, Tex., assignor, by mesne assignments to Standard Oil Development Company, Elizabeth, N. J. Dull bit indicator. 2,560,328, July 10.

Bing, Herbert A.: *See*—
Mihalyi, Joseph, Pribus, and Bing.

Bingham, Arthur E.: *See*—
Shawbrook, Henry, and Bingham.

Birch, Thomas H., and V. L. Green, Milwaukee, Wis. Adapter means for supporting the air lines of railroad cars. 2,559,753, July 10.

Bird, Geoffrey W., Water Stratford, assignor to Taylor Stoker Company Limited, Euston, London, England. Apparatus for use in glazing earthenware articles. 2,560,270, July 10.

Birdsall, Leslie R.: *See*—
Lermont, Basil, and Birdsall.

Bittles, James A., Jr.: *See*—
Berry, Kenneth L., and Bittles.

Bittles, James A., Jr., and R. M. Joyce, Jr., assignors to E. I. de Pont de Nemours & Company, Wilmington, Del. Fluoroalkanephosphonic compounds. 2,559,754, July 10.

Bjarnason, Bjarni S., assignor to H. T. F. Lundberg, Toronto, Ontario, Canada. Instrument for and method of geophysical exploration. 2,559,586, July 10.

Bjork, Nils, Battle Lake, Minn. Hinged oar lock. 2,559,929, July 10.

Black, Donald H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Automatic gain control circuit. 2,559,587, July 10.

Blattner, Robert F.: *See*—
Kesel, Robert E., and Blattner.

Block, C. F., & Associates, assignee: *See*—
Block, Clarence F.

Block, Clarence F., Barrington, assignor to C. F. Block & Associates, Chicago, Ill. Cutting gauge. 2,560,271, July 10.

Bloomer, Ward J., Westfield, N. J., assignor to The Lummus Company, New York, N. Y. Mixer. 2,560,069, July 10.

Bloomer, Ward J., Westfield, N. J., assignor to The Lummus Company, New York, N. Y. Evaporator. 2,560,070, July 10.

Bloomer, Ward J., Westfield, N. J., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio. Fixed centrifugal device. 2,560,071, July 10.

Bloomer, Ward J., Westfield, N. J., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio. Apparatus for fractionation. 2,560,072, July 10.

Bloomer, Ward J., Westfield, N. J., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio. Fixed centrifugal device. 2,560,073, July 10.

Bloomer, Ward J., Westfield, N. J., assignor to The Lummus Company, New York, N. Y. Method and apparatus for burning fuel. 2,560,074, July 10.

Bloomer, Ward J., Westfield, N. J., assignor to The Lummus Company, New York, N. Y. Evaporator. 2,560,075, July 10.

Bloomer, Ward J., Westfield, N. J., assignor to The Lummus Company, New York, N. Y. Method and apparatus for burning fuel. 2,560,076, July 10.

Bloomer, Ward J., Westfield, N. J., and B. R. Wright, Lakewood, assignors to Centrifix Corporation, Cleveland, Ohio. Apparatus for contacting gases and liquids to effect concentration, fractionation, and the like. 2,560,077, July 10.

Bloomer, Ward J., Westfield, N. J., assignor to The Lummus Company, New York, N. Y. Combustion apparatus and method. 2,560,078, July 10.

Blount, Luther H., Warren, R. I. Ship. 2,560,153, July 10.

Blum, Hosmer L., assignor to Bowser, Inc., Fort Wayne, Ind. Reciprocating plunger type bottle opener. 2,559,845, July 10.

Blum, Paul, Brooklyn, N. Y. Foldable seat and umbrella case. 2,560,079, July 10.

Blumenthal, Emanuel A., Atlantic Beach, N. Y. Tracking system and valve therefor. 2,559,588, July 10.

Boal, Stewart, Winnetka, assignor to Randolph Laboratories, Inc., Chicago, Ill. Fire extinguisher. 2,560,407, July 10.

Boettcher, Justus G.: *See*—
Shugart, Robert B., and Boettcher.

Bolidens Gruvaktiebolag, assignee: *See*—
Gustafsson, Gotthard V. A.

Bolton, Philip S., Newton, Mass., and J. J. Aid, New London, Conn., assignors to Robert Gair Company, Inc., New York, N. Y. Pallet. 2,559,930, July 10.

Borell, George L., Minneapolis, and M. I. Nystuen, assignors to Economics Laboratory, Inc., St. Paul, Minn. Conductivity cell. 2,560,209, July 10.

Borg-Warner Corporation, assignee: *See*—
Hannum, John A.

Borkland, Gustave W., Marion, Ind. Apparatus for drawing thermoplastic sheets. 2,559,705, July 10.

Bosweil, John W., and H. W. Waters, Macon, Ga. Stack cover mechanism. 2,560,272, July 10.

Bottome, Nelson A., Bridgeport, Conn. Set screw with key extension. 2,560,080, July 10.

Boucher, Jacques, Paris, assignor to Compagnie de Pont-a-Mousson, Nancy, France. Concrete pipe mold. 2,559,846, July 10.

Boughter, John R.: *See*—
Miller, John L., and Boughter.

Bowman, George L., assignee: *See*—
Mueller, Herman H.

Bowman, John L., assignee: *See*—
Mueller, Herman H.

Bowser, Inc., assignee: *See*—
Blum, Hosmer L.
De Haven, La Vern H.

Bradley, Stephen D., assignor to Detroit Macoid Corporation, Detroit, Mich. Weatherstrip. 2,560,408, July 10.

Brandon, Richard C., Elizabeth, N. J., assignor to Standard Oil Development Company. Catalytic dehydrogenation of petroleum naphthenes. 2,560,329, July 10.

Brandon, Richard C., Elizabeth, N. J., assignor to Standard Oil Development Company. Refining kerosene with bauxite and sulfur dioxide. 2,560,330, July 10.

Bratz, William G., Easton, Conn. Fender extension. 2,559,755, July 10.

Brickman, Elmer A., Minneapolis, Minn., assignor to Western Electric Company, Incorporated, New York, N. Y. Grommet inserting mechanism. 2,559,847, July 10.

Bridgeport Brass Company, assignee: *See*—
Efford, John T.

Bridgeport Fabrics, Inc., assignee: *See*—
Spraragen, Louis.

Bridger, Grover L.: *See*—
Skolnik, Sol, and Bridger.

Brierly, Ralph C., Narberth, Pa. Fuel and air diffuser burner. 2,559,589, July 10.

Briganti, Anthony H., Dorneyville, and C. E. Buchwald, Bethlehem, Pa., assignors to Western Electric Company, Incorporated, New York, N. Y. Eliminating contamination in vacuum tubes. 2,560,273, July 10.

Briggs, Arthur S. and J. Haworth, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Rubber antioxidants. 2,559,932, July 10.

Briggs Manufacturing Company, assignee: *See*—
Lundberg, Everett E., and Vigmostad, Vigmostad, Trygve.

Bright, Raymond G., El Paso, Tex. Automatically controlled water heater for coffee urns. 2,559,931, July 10.

Briney, Damond E., Natalia, Tex. Fishing rod with resilient pivotal butt end. 2,559,933, July 10.

Briney, Damond E., Natalia, Tex. Fishing rod with integral resilient means. 2,559,934, July 10.

Brinsfield, Alfred G.: *See*—
Pistoles, Lambert R., and Brinsfield.

Briscomb, David W.: *See*—
Marks, Leonard V., and Briscomb.

Bristol Company, The, assignee: *See*—
Peckham, Joseph W.

British Resin Products Limited, assignee: *See*—
Deutsch, Franz S., and Weldon.

Brook, Victor, Rochester, N. Y. Tapping machine. 2,560,081, July 10.

Brooker, Leslie G. S.: *See*—
Van Lare, Earl J., and Brooker.

Brooks, Linzy W., assignor to On-A-Lite Corporation, Portland, Oreg. Decorative lighting fixture. 2,559,706, July 10.

Brown, Arthur E., Salt Lake City, Utah. Rotary fluid mechanism. 2,559,590, July 10.

Brown, Barremore B.: *See*—
Donal, John S., Jr., Cuccia, and Brown.

Brown, Barremore B., Morristown, N. J., assignor to Radio Corporation of America. Electron discharge device of the magnetron type. 2,560,409, July 10.

Brown, George P., Jr.: *See*—
Riethof, George, Montgomery, and Brown.

Brown, John H., Yakima, Wash. Bank robber trap. 2,560,410, July 10.

Brown, Robert J., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Method and apparatus for dispersing pigments. 2,560,082, July 10.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making friction material. 2,560,024, July 10.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Attaching airplane propeller deicer shoes. 2,560,026, July 10.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Friction material lubricant. 2,560,051, July 10.

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Adjustable wheel base tractor. 2,559,935, July 10.

Brown, William, Nottingham, England. Control lever mechanism. 2,560,154, July 10.

Browne, Kenneth A., Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Engine pressure control mechanism having housing containing an evacuated bellows and a vented bellows. 2,560,210, July 10.

Brunetti, Joseph, assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J. Toy house construction. 2,560,155, July 10.

Buchan, Rudolph C., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preventing corrosion in wells. 2,560,331, July 10.

Buchwald, Charles E.: *See*—
Briganti, Anthony H., and Buchwald.

Buck, Homer G., Los Angeles, Calif., assignor to By-Buk Company. Preformed sign unit. 2,559,756, July 10.

Budd Company, The, assignee: *See*—
Dean, Albert G.
Lyon, John C.

Buffle, Jean P., assignor to Services Industriels de Geneve, Geneva, Switzerland. Filtering apparatus for liquids. 2,559,936, July 10.

Bullitt, Orville H., Jr., Swarthmore, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Fluorinated acyl peroxides. 2,559,630, July 10.

Bullock, William S., Atlantic City, N. J. Saxophone. 2,560,083, July 10.

Bulman, Elvah O., Grand Rapids, Mich. Paper roll holder. 2,559,937, July 10.

Burdick, Hugh T., assignor to Illinois Tool Works, Chicago, Ill. Shelf mounting structure. 2,560,211, July 10.

Burdick, Hugh T., assignor to Illinois Tool Works, Chicago, Ill. Sheet metal snap fastener. 2,560,530, July 10.

Burke, Roscoe E., San Jose, M. Periat, San Mateo, and W. Schlichtmann, San Francisco, Calif. Apparatus for dynamically balancing tires, wheel assemblies, and the like. 2,559,707, July 10.

Burkley, Clement J., assignor to Wingfoot Corporation, Akron, Ohio. Making safety tubes. 2,559,591, July 10.

Burns, Leroy H., Cleveland, Ohio, assignor to The National Telephone Supply Company. Making wire connecting devices. 2,560,411, July 10.

Burt Machine Company, The, assignee: *See*—
Neer, Clifford H.

Busch, Floyd H.: *See*—
Sturtevant, George R., and Busch.

Button, Leslie M., Moreno, P. G. Trowbridge, Colton, and J. J. Schrink, Beaumont, Calif. Vapor or fog nozzle. 2,559,592, July 10.

By-Buk Company, assignee: *See*—
Buck, Homer G.

Byrd, John F., Ashland, and P. W. Wildow, Moorestown, N. J., assignors to Radio Corporation of America. Resilient socket assembly. 2,560,212, July 10.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of protein solutions. 2,559,848, July 10.

Calhoun, Ann E., administratrix: *See*—
Calhoun, Taylor P.

Calhoun, Taylor P., deceased, Fall River, Mass.; A. E. Calhoun, administratrix. Laundry apparatus for washing and centrifuging clothes. 2,559,708, July 10.

Calvert, Bert S., Los Angeles, Calif. Boom for excavators or the like. 2,560,412, July 10.

Cameron Iron Works, Inc., assignee: *See*—
Allen, Herbert, and Nevill.

Cameron, Robert T., Knoxville, Tenn. Beverage making apparatus. 2,560,214, July 10.

Camp, Thomas P., Arlington Heights, assignor to United States Gypsum Company, Chicago, Ill. Producing water-repellent gypsum sheathing board. 2,560,521, July 10.

Campbell Engineering Co. Limited, assignee: *See*—
Ludlow, James A.

Canadian Industries Limited, assignee: *See*—
Kerr, Hugh M., and Hall.

Canadian Radium and Uranium Corporation, assignee: *See*—
Pregel, Alexander.

Candee, Zenas P., Watertown, assignor to The Waterbury Farrel Foundry & Machine Company, Inc., Waterbury, Conn. Positive jaw clutch for power presses. 2,559,709, July 10.

Cannon, Wayne D., Hohokus, N. J., assignor to Wright Aeronautical Corporation. Antidetonant injection system. 2,560,213, July 10.

Cantello, Carl J., Brooklyn, N. Y. Sash lock. 2,560,274, July 10.

Cantrell, Troy L.: *See*—
Smith, Herschel G., and Cantrell.

Caplan, Solomon, New York, N. Y., assignor to The Harvel Corporation. Treating raw cashew nut shell liquid. 2,559,593, July 10.

Caplan, Solomon, New York, N. Y., assignor to The Harvel Corporation. Distillation of acid-treated cashew nut shell liquid. 2,559,594, July 10.

Carborundum Company, The, assignee: *See*—
Ries, Kernell G., and Goepfert.
Ries, Kernell G., Robie, and von Doenhoff.

Carding Specialists (Canada) Limited, assignee: *See*—
Varga, Andor.

Carey, Edward L.: *See*—
Batchelor, Clyde S., and Carey.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. Speed governor mechanism for aircraft internal-combustion turbine engines. 2,559,938, July 10.

Carlson, Gustav W., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Dowel. 2,560,413, July 10.

Carlson, Olof, Winter Park, Fla. Cradle rocking spring mechanism. 2,559,939, July 10.

Carr, Edward L.: *See*—
Smith, George E. P., Jr., and Carr.

Carr, Thomas E., Garden City, Tex. Saw package. 2,560,383, July 10.

Carter, Ben and E., Bolton, England. Carrier for braiding and like machines. 2,560,084, July 10.

Carter, Eric: *See*—
Carter, Ben and E.

Cartheuser, William H., assignor of forty-five per cent to S. R. Coleman, Los Angeles, Calif. Comb. 2,559,940, July 10.

Case, J. I., Company, assignee: *See*—
Ferguson, John L.

Casella, Secondo L., Brooklyn, assignor to Morey Machinery Co. Inc., New York, N. Y. Automatic stock feeding mechanism for lathes. 2,559,941, July 10.

Casella, Secondo L., assignor to Morey Machinery Co., Inc., New York, N. Y. Internal collapsible chuck. 2,559,942, July 10.

Cashman, Edward P.: *See*—
Leiber, Eugene, and Cashman.

Cavanaugh, Robert M. and R. H. Weir, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Separating carboxylic acids resulting from the liquid phase oxidation of olelc acid. 2,560,156, July 10.

Celanese Corporation of America, assignee: *See*—
Olpin, Henry C., House, and Wright.
Prichard, John H.

Centrifix Corporation, assignee: *See*—
Bloomer, Ward J.
Bloomer, Ward J., and Wright.

Cerny, Joseph J., Chicago, Ill. Electrical resistor. 2,559,943, July 10.

Chandler, William, assignor of one-half to W. C. Hull, Pittsburg, Tex. Tube cleaning brush. 2,559,757, July 10.

Chaplin Corporation, assignee: *See*—
Chaplin, Merle P.

Chaplin, Merle P., assignor to Chaplin Corporation, South Portland, Maine. Pulp molding machine. 2,559,945, July 10.

Chapp, Stanley, Foley, Minn. Differential gearing. 2,559,944, July 10.

Chase-Shawmut Company, The, assignee: *See*—
Swain, Kenneth W.

Cheney, Ralph G., assignor of one-half to J. M. Detwyler, Seattle, Wash. Golf tee carrier. 2,560,014, July 10.

Chicago Pneumatic Tool Company, assignee: *See*—
O'Farrell, Matthew.

Chicago Roller Skate Company, assignee: *See*—
Ware, Walter.

Christensen, Marinus, Brorup, Denmark. Protection mask against poisonous gases and dust. 2,560,215, July 10.

Christman, John J., Trenton, and F. D. Klapproth, Pennsauken, N. J., assignor to Pennland Printing Company, Philadelphia, Pa. Mold for type casting machines. 2,560,503, July 10.

Chrysler Corporation, assignee: *See*—
Edwards, Arthur H.
Elliott, Clifton M., and Wise.

Clark, John R., Silver Spring, assignor of one-half to T. Somerville, III, Kenwood, Md., trustee. Kiln for bricks. 2,559,595, July 10.

Clark, Stanley J., assignor to Acme Tank & Welding Co., a Division of United Tool & Die Company, Hartford, Conn. Baffle for boiler tubes. 2,560,275, July 10.

Clausing, Leroy M. E., Chicago, Ill. Fluorography. 2,560,085, July 10.

Clement, Alexander L., South Hadley Falls, Mass. Planter. 2,560,086, July 10.

Cleveland Wire Spring Company, assignee: *See*—
Sjolander, John L.

Cline, Delbert C., Silver Lake Village, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rubbery mixture of butadiene-styrene copolymer and polybutadiene. 2,560,031, July 10.

Cochrane Corporation, assignee: *See*—
Joos, Charles E., and Kittredge.

Coffey, Samuel, D. A. W. Fairweather, F. Lodge, and J. Wardleworth, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Halomethyl derivatives of acedianthrones and preparing the same. 2,559,596, July 10.

Coffey, Samuel, F. Lodge, and J. Wardleworth, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Halomethyl derivatives of dibenzanthrone, isodibenzanthrone and chlorodibenzanthrone, and preparing the same. 2,559,597, July 10.

Coffin, Everett D.: *See*—
Rogers, William B., and Coffin.

Cohn, Abraham, Brooklyn, N. Y. Adjustable book cover. 2,560,087, July 10.

Cohn, Jacob V., Detroit, Mich. Stiffened roll collar. 2,560,157, July 10.

Coleman, Stephen R., assignee: *See*—
Cartheuser, William H.

Colgan, Fred R., Jr., Los Angeles, Calif. Pressure operated switch. 2,560,276, July 10.

Columbia Fastener Company, assignee: *See*—
Berkson, Maurice J.

Columbia Protektosite Company, Inc., assignee: *See*—
Brunetti, Joseph.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Armacost, Wilbur H.

Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Tucker, Warren R.

Compagnie de Pont-a-Mousson, assignee: *See*—
Boucher, Jacques.

Compagnie Electro-Mecanique, assignee: *See*—
Dessarzin, Raymond.

Conklin, Roscoe D., Little Falls, N. J., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Adjustable sweep angle windshield wiper. 2,560,088, July 10.

Continental Oil Company, assignee: *See*—
Hinson, Howard H.

Cook, Frank, Leominster, Mass. Spinning indicator amusement device. 2,560,158, July 10.

Cook, Homer C., Spokane, Mo. Halter weapon for cattle. 2,559,598, July 10.

Cook, Wendell S., Houghton, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reclaiming rubbers with reaction product of polyalkylcyclohexanol and sulfur chloride. 2,560,048, July 10.

Cook, Wendell S., Houghton, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Alkylphenol sulfoxides. 2,560,049, July 10.

Cook, Wendell S., Houghton, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reclaiming rubber with phenol sulfoxides. 2,560,050, July 10.

Coover, Harry W.: *See*—
Dickey, Joseph B., and Coover.

Coover, Harry W., Jr.: *See*—
Dickey, Joseph B., and Coover.

Coponat, Antoine C. M. H., Paris, France. Mechanical transmission. 2,560,216, July 10.

Cornell, Paul W., Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Hydrodesulfurization process. 2,560,415, July 10.

Corning Glass Works, assignee: *See*—
Stookey, Stanley D.
Warrick, Earl L.

Cottingham, Henry P., Indianapolis, Ind. Collapsible receptacle. 2,560,089, July 10.

Courtney, John M., Atlanta, Tex. Gas anchor. 2,560,416, July 10.

Coutant, André C. and J. Mathot, Paris, France. Film movement claw arrangement. 2,560,159, July 10.

Covert, Benjamin L., assignor to Universal Oil Products Company, Chicago, Ill. Electronic speed indicator. 2,559,849, July 10.

Craig, Helen C., and W. E. Keen, Miami, Fla. Key case. 2,559,946, July 10.

Crain, Albert H., assignee: *See*—
Crain, John P.

Crain, John P., assignor of one-half to A. H. Crain, Grand Chenier, La. Marsh buggy. 2,560,384, July 10.

Crane, Sigmund, New York, N. Y. Diaper. 2,560,332, July 10.

Creed and Company Limited, assignee: *See*—
Kirchel, Alan A.

Cribben and Sexton Company, assignee: *See*—
Mendel, Leo E., Port, and Turner.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. 1,2-diolefins as modifiers in the alkali-metal-catalyzed polymerization of conjugated diolefins. 2,559,947, July 10.

Crow, Frank D., Thiensville, Wis. Snap action valve mechanism. 2,560,090, July 10.

Croxall, Willard J., Bryn Athyn, and M. F. Fegley, Mont Clare, assignors to Rohm & Hass Company, Philadelphia, Pa. Preparing esters of ether-substituted carboxylic acids. 2,560,277, July 10.

Crump, Lindell L., Kirkwood, and C. A. Fox, Oakland Village, assignors to James R. Kearney Corporation, St. Louis, Mo. Electrical surge arrester. 2,559,599, July 10.

Cuccia, Carmen L.: *See*—
Donal, John S., Jr., Cuccia, and Brown.

Cuming, William R.: *See*—
Emerson, Cherry L., Jr., and Cuming.

Currie, Grover C., assignor to Dacam Corporation, Charlotte, N. C. Carton for cylindrical objects. 2,559,948, July 10.

Curtis, Clarence R., Lombard, assignor to F. H. Smith Manufacturing Company, Chicago, Ill. Adjustable nozzle. 2,560,278, July 10.

Curtis, Clarence R., Lombard, assignor to F. H. Smith Manufacturing Co., Chicago, Ill. Adjustable nozzle. 2,560,279, July 10.

Curtiss-Wright Corporation, assignee: *See*—
Dean, George A.
Goodlett, Edward R., and Wishart.
Meyer, Edward J.
Scarborough, William M.

Dacam Corporation, assignee: *See*—
Currie, Grover C.

Dalton, Joseph B., Spindale, N. C. Double-action stop motion attachment for spinning frames or twisters. 2,559,949, July 10.

Danielsen, August A., Rosedale, assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Stove grill. 2,559,710, July 10.

Dansereau, Edward I., Bluefield, W. Va., assignor to Joy Manufacturing Company. Mining machine. 2,559,711, July 10.

Davis, Bayard C., Rockford, Ill. Triple-tool turning head. 2,559,950, July 10.

Davis, Charles B., Carson City, Nev. Fire control system. 2,560,091, July 10.

Davis, Myrtle L., administratrix: *See*—
Davis, William L.

Davis, Wiley V., Azusa, Calif. Cartridge holding box. 2,560,417, July 10.

Davis, William L., deceased, assignor of one-fourth to C. T. Saunders, Norfolk, Va.; M. L. Davis, administratrix. Hydraulic brake twin-cylinder compressor. 2,559,850, July 10.

Day, Harold M., Cos Cob, and A. C. Wrotnowski, Jr., Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Demineralization of sucrose solutions by ion exchange. 2,560,504, July 10.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Coupling device. 2,559,600, July 10.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Automatic selector control system. 2,559,601, July 10.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Equalizer beam for railway trucks. 2,560,505, July 10.

Dean, George A., Radburn, N. J., assignor to Curtiss-Wright Corporation. Temperature responsive coupling means for relatively rotatable conduit sections. 2,559,851, July 10.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. Bis-quaternary ammonium compounds. 2,560,280, July 10.

Deere & Company, assignee: *See*—
Brown, Theophilus.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,560,333, July 10.

De Haven, La Vern H., assignor to Bowser, Inc., Fort Wayne, Ind. Filter element. 2,559,852, July 10.

Dehmel, Richard C., Short Hills, N. J. Apparatus for simulating radio navigation aids. 2,560,527, July 10.

Dehmel, Richard C., Short Hills, N. J. Training means for blind navigating systems. 2,560,528, July 10.

Deinet, Joseph: *See*—
Schroeder, Herman E., and Deinet.

De Jouëtte, Albert, Toulon, France. Powered agricultural tractor and wheel adjusting mechanism therefor. 2,559,758, July 10.

De La Mater, Robert G., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Sealing means for bolted storage tanks. 2,560,092, July 10.

Denman, Stephen A., assignor to Piqua Engineering, Inc., Piqua, Ohio. Vibratory motor. 2,559,602, July 10.

Dennison Manufacturing Company, assignee: *See*—
Ogden, Floyd H.

Derjavitch, Boris, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Electrical pulse train selecting system. 2,559,603, July 10.

Des Champs, Olivia S., conservatrix: *See*—
Suhre, Henry E.

Despard, Victor R., Syracuse, assignor to Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y. Mounting strap for interchangeable wiring devices. 2,560,506, July 10.

Despard, Victor R., Syracuse, assignor to Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y. Mounting strap for interchangeable wiring devices. 2,560,507, July 10.

Dessarzin, Raymond, Le Havre, assignor to Compagnie Electro-Mecanique, Paris, France. Autotransformer. 2,560,385, July 10.

De Swart, Jan, Los Angeles, Calif., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill. Grommet. 2,559,759, July 10.

Detienne, Adolphe, executor: *See*—
France, Antoine.

Detroit Macoid Corporation, assignee: *See*—
Bradley, Stephen D.

Detwiler, Merle C., New Enterprise, Pa., assignor to The Fate-Root-Heath Company, Plymouth, Ohio. Tractor seat mounting. 2,559,853, July 10.

Detwyler, John M., assignee: *See*—
Cheney, Ralph G.

Deutsch, Franz S., Richmond, and L. H. P. Weldon, Hughenden, Cart Bridge, Send, assignors to British Resin Prducts Limited, London, England. Stabilization of polymeric resins with bismuth salts. 2,560,160, July 10.

Dewey, Clyde G., Philadelphia, Pa., assignor to General Electric Company. Grounded phase selector. 2,560,217, July 10.

Dickey, Joseph B., and H. W. Coover, assignors to Eastman Kodak Company, Rochester, N. Y. Acrylic acid esters containing a dialkylphosphono group and polymers prepared therefrom. 2,559,854, July 10.

Dickey, Joseph B., and H. W. Coover, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Polymerization with organic tertiary amine catalysts. 2,559,855, July 10.

Diefenbach, Dorothy S., assignee: *See*— Straith, Claire L.

Diehl, John A., Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Castor wheel tire construction. 2,560,036, July 10.

Di Palma, Dominick, assignee: *See*— Di Palma, Joseph.

Di Palma, Joseph, Westport, Fairfield County, Conn., assignor to D. Di Palma, Brooklyn, N. Y. Split cable grip. 2,560,418, July 10.

Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Laterally movable car door. 2,560,419, July 10.

Doane, Leroy C., Essex, Conn., assignor to The Sight Light Corporation. Luminaire with glare shielding means for producing an optimum distribution of light on a work surface. 2,560,281, July 10.

Dobbs, Richard H., Winfield, Kans. Holder for vehicle loading skids. 2,559,712, July 10.

Doble, Ralph N., Hingham, Mass. Lawn seeder. 2,560,093, July 10.

Dodge, Arthur B., assignor to The Dodge Cork Company, Incorporated, Lancaster, Pa. Laminar product of polymerized vinyl chloride resin and comminuted cork and manufacturing the same. 2,560,420, July 10.

Dodge Cork Company, Incorporated, The, assignee: *See*— Dodge, Arthur B.

Dodge, Donn L., Los Angeles, Calif. Starter motor control system. 2,560,094, July 10.

Dole Refrigerating Company, assignee: *See*— Kleist, Herman W.

Dole Valve Company, The, assignee: *See*— Kempton, Leslie A.

Dolphin, Inez V., Chicago, Ill. Twisted bow hair ribbon. 2,560,095, July 10.

Donal, John S., Jr., and C. L. Cuccia, Princeton, N. J., and B. B. Brown, Lancaster, Pa., assignors to Radio Corporation of America. Electron discharge device. 2,559,604, July 10.

Donovan, Cornelius J.: *See*— Fay, Harold C., and Donovan.

Dorey, George B., Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper car door frame. 2,559,760, July 10.

Dossey, Carl H.: *See*— Lucas, James E., and Dossey.

Dow Chemical Company, The, assignee: *See*— Pelton, Earl L., and Holzschuh.

Dowty Equipment Limited, assignee: *See*— Carey, Frederick H.
Shawbrook, Henry, and Bingham.

Draman, Rexford E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Dispersions of pigments in synthetic latices of rubberlike materials. 2,560,041, July 10.

Draper, Frank H., assignee: *See*— Pease, Lionel.

Drouilly, Eugene J., Paris, France, vested in the Attorney General of the United States. Fuel mixture for internal-combustion engines. 2,559,605, July 10.

Dubin, Lester, Brooklyn, assignor to International Standard Electric Corporation, New York, N. Y. Pulse widener and marker separator. 2,559,606, July 10.

Dumoulin, Louis J.: *See*— Peyrot, Pierre P., and Dumoulin.

Dunbar, Frank, and A. Barbetta, Syracuse, N. Y. Foldable golf bag stand. 2,559,951, July 10.

Dunbrook, Raymond F.: *See*— Street, John N., and Dunbrook.

Duncan, Gordon W.: *See*— Zimmer, John C., Duncan, and Paxton.

Dunlap, Orrin E., Jr., Great Neck, N. Y., assignor to Radio Corporation of America. Submarine antenna structure. 2,560,218, July 10.

Dunning, John W., C. F. Frye, and E. C. Lathrop, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Production of furfural from pentose liquors. 2,559,607, July 10.

Dunski, Chaim V., Liege, and G. M. Regout, Heusy, Belgium. Method and apparatus for drying and tentering-drying with radiant heaters and automatic control means. 2,559,713, July 10.

Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun turret. 2,559,714, July 10.

Du Pont, E. I., de Nemours and Company, assignee: *See*— Benning, Anthony F.
Berry, Kenneth L.
Berry, Kenneth L., and Bittles.
Bittles, James A., Jr., and Joyce.
Bullitt, Orville H., Jr.
Cavanaugh, Robert M., and Weir.
Ham, William C., Hitt, and Kiachif.
Jelinek, Arthur G.
Joyce, Robert M., Jr.
Krchma, Ignace J., and Schaumann.
Schroeder, Herman E., and Deinet.
Schroeder, Herman E., and Ringrose.
Webb, Myron Q.

Duschinsky, Robert, Essex Fells, assignor to Hoffmann-La Roche Inc., Nutley, N. J. 1-benzhydryl-3-acylureas and producing same. 2,560,522, July 10.

E. A. Laboratories, Inc., assignee: *See*— Auñero, John M.

Eagle Industries, Inc., assignee: *See*— Aspenwall, Carl S.

Eakland, Edward H., Sherman Oaks, Calif., assignor to Hat Corporation of America, Norwalk, Conn. Hat manufacture. 2,560,508, July 10.

Earle, Edwin L., and R. P. Arthur, Chicago, and J. I. Bellamy, Wheaton, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Compression-connecting terminal member. 2,559,715, July 10.

Eastern Metals Research Co., Inc., assignee: *See*— Lermont, Basil, and Birdsall.

Eastman Kodak Company, assignee: *See*— Aklin, George H.
Bennett, Harold F.
Caldwell, John R.
Dickey, Joseph B., and Coover.
Elle, Bruce L., and Haelen.
Fay, Howard G.
Herzberger, Maximilian J.
Kenyon, William O., Laakso, and Unruh.
Kesel, Robert E., and Blattner.
Kingslake, Rudolf, and Bennett.
Mihalyi, Joseph, Pribus, and Bing.
Nadeau, Gale F., and Hoyt.
Patterson, John L., Beach, and Feldbauer.
Van Lare, Earl J., and Brooker.
White, William M.
Wittel, Otto.

Eastwold, Esther E.: *See*— Oace, Ralph J., Snell, and Eastwold.

Eaton Manufacturing Company, assignee: *See*— Carlson, Gustav W.

Eberly, Kenneth C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Conversion of liquid to solid tetrachlorobutane. 2,560,019, July 10.

Eberly, Kenneth C., Akron, and R. J. Reid, Canal Fulton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Conversion of liquid to solid tetrachlorobutane. 2,560,025, July 10.

Eberly, Kenneth C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Preparation of alkyltin carboxylates. 2,560,034, July 10.

Eberly, Kenneth C., G. E. P. Smith, Jr., and H. E. Albert, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Preparation of butyltin chlorides. 2,560,042, July 10.

Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Halogenated tertiary alkyl sulfides and polysulfides. 2,560,421, July 10.

Economics Laboratory, Inc.: *See*— Borell, George L., and Nystuen.

Edlund, Leslie J., St. Paul, Minn., assignor to Western Electric Company, Incorporated, New York, N. Y. Retractile roller assemblage. 2,559,856, July 10.

Edwards, Arthur H., Farmington, assignor to Chrysler Corporation, Highland Park, Mich. Seal. 2,559,857, July 10.

Edwards, Thomas, Bilbrook, near Wolverhampton, assignor to H. M. Hobson Limited, London, England. Variable stroke pump. 2,559,952, July 10.

Efford, John T., Stratford, assignor to Bridgeport Brass Company, Bridgeport, Conn. Thermally actuated sprayer. 2,560,523, July 10.

Ehrlich, Joseph R., New York, N. Y. Multicolor carbon paper. 2,559,608, July 10.

Electric and Musical Industries Limited, assignee: *See*— White, Eric L. C.

Electric Controls Inc., assignee: *See*— Armstrong, Charles E.

Electrical Products Corporation, assignee: *See*— Owen, Harold R.

Electro Manganese Corporation, assignee: *See*— Hammerquist, William L.

Electronic Distributors Inc., assignee: *See*— Wenger, Frank J.

Elle, Bruce L., and J. C. Haelen, assignors to Eastman Kodak Company, Rochester, N. Y. Microcard holder for viewers. 2,559,858, July 10.

Elliott, Clifton M., and E. P. Wise, Birmingham, assignors to Chrysler Corporation, Highland Park, Mich. Supercharged engine control. 2,559,859, July 10.

Elliott, Joseph B., Longview, Tex. Transport device for lawn mowers. 2,560,422, July 10.

Elterman, Adolph, deceased, Belmar, and H. P. Peshkin, Asbury Park, N. J.; J. Elterman, administratrix of said A. Elterman. Fruit juice machine. 2,560,096, July 10.

Elterman, Jennie, administratrix: *See*— Elterman, Adolph, and Peshkin.

Emerson, Cherry L., Jr., Newton Highlands, and W. R. Cuming, Boston, assignors to L. L. Witter, as trustee. Hand cleaning tablet. 2,560,097, July 10.

Emery's, Thos. Sons, Incorporated, assignee: *See*— Rega, Fred L., and Hartmann.

Emulsol Corporation, The, assignee: *See*— Harris, Benjamin R., and Joffe.

Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser-foot mechanism for rug sewing. 2,560,334, July 10.

Enterline, Henry M.: *See*— West, Herbert J., and Enterline.

Enterprise Railway Equipment Company, assignee: *See*— Dorey, George B.

Ericson, Elmer W., Chicago, Ill. Combined carrying case and screen for picture projectors. 2,560,335, July 10.

Espenschied, Helmut, Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Purification of titanium tetrachloride. 2,560,423, July 10.

Espenschied, Helmut, Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Titanium tetrachloride treatment process. 2,560,424, July 10.

Evans, Adele H., Hollywood, Fla. Separable garment. 2,559,953, July 10.

Evans, James E.: *See*— Lassiat, Raymond C., and Evans.

Eversole, Larken A.: *See*— Kunkel, Gustave A., and Eversole.

Fafnir Bearing Company, The, assignee: *See*— Noe, Frank.

Fairweather, David A. W.: *See*— Coffey, Samuel, Fairweather, Lodge, and Wardleworth.

Falk Corporation, The, assignee: *See*— Nyl, John R.

Falls Stamping & Welding Company, The, assignee: *See*— Lange, John J., and Maranville.

Fancher, Otis E., assignor to Miles Laboratories, Inc., Elkhart, Ind. Beta-tetrahydrofluoranthoyl propionic acid and salts thereof. 2,560,425, July 10.

Fansteel Metallurgical Corporation, assignee: *See*— Hunter, Frederick L.

Farnsworth Research Corporation, assignee: *See*— Halstead, William S.

Farrel-Birmingham Company, Incorporated, assignee: *See*— Kemp, Arthur W.

Fate-Root-Heath Company, The, assignee: *See*— Detwiler, Merle C.

Fay, Harold C., Floral Park, and C. J. Donovan, Bronxville, N. Y. Rack or tray for shelves. 2,560,161, July 10.

Fay, Howard G., assignor to Eastman Kodak Company, Rochester, N. Y. Mold for centering lenses in plastic mountings. 2,559,860, July 10.

Fay, Howard G., assignor to Eastman Kodak Company, Rochester, N. Y. Mold for centering relatively large uncentered lenses in plastic mountings. 2,559,861, July 10.

Federal Products Corporation, assignee: *See*— Miller, Raymond H.

Federal Telephone and Radio Corporation, assignee: *See*— Babcock, William S., Jr.
Garmany, William J., Jr.

Fegley, Marian F.: *See*— Croxall, Willard J., and Fegley.

Feldbauer, George F., Jr.: *See*— Patterson, John L., Beach, and Feldbauer.

Ferguson, Garwood W., Paterson, assignor to Becton Dickinson and Company, Rutherford, N. J. Needle structure. 2,560,162, July 10.

Ferguson, John L., Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis. Apparatus for treating windrows. 2,559,862, July 10.

Fernstrum, Robert W., assignor to Gray Marine Motor Company, Detroit, Mich. Cushion mounting device. 2,560,098, July 10.

Ferro Enamel Corporation, assignee: *See*— Skinner, Robert E., and McIntyre.

Filer & Stowell Co., The, assignee: *See*— Kahr, Martin, and Noll.

Fillman, Paul J., Louisville, Ky. Toothbrush holder. 2,559,863, July 10.

Film 'n File, Inc., assignee: *See*— Morrison, Nathan H.

Firestone Tire & Rubber Company, The, assignee: *See*— Albert, Harry E.
Albert, Harry E., and Smith.
Allen, Raymond W.
Alliger, Glen.
Brown, Roy W.
Cline, Delbert C.
Cook, Wendell S.
Draman, Rexford E.
Diehl, John A.
Eberly, Kenneth C.

Firestone Tire & Rubber Company, The, assignee: *See*— Continued.
Eberly, Kenneth C., and Reid.
Eberly, Kenneth C., Smith, and Albert.
Formaz, Conrad G.
Harlow, Samuel L., Jr.
Kitchen, Leland J.
Kitchen, Leland J., and Ambelang.
Miller, John L., and Boughter.
Nanfeldt, William J.
Schmidt, Ernst.
Smith, George E. P., Jr.
Smith, George E. P., Jr., and Carr.
Street, John N., and Dunbrook.
Trainer, James E.
Warner, Lewis E.
Whipple, Robert P.
Workman, Clarence E.
York, Emerson W., and Smith.

Firth, Francis G., New York, N. Y. Production of high-frequency waves in a liquid medium. 2,559,864, July 10.

Fisch, Richard A., Kew Gardens, N. Y. Shield for television tubes. 2,560,336, July 10.

Fischer, Otto, Corona, assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y. Air relay device for pressure controlled systems. 2,560,163, July 10.

Fitzpatrick, Frank L., East Malvern, Victoria, Australia. Machine for forming concrete pipes. 2,560,426, July 10.

Fleishman, Myron, New York, N. Y. Wheeled toy device and inclined support. 2,559,865, July 10.

Ford, Samuel: *See*— Warner, Robert B., and Ford.

Ford Warner Manufacturing Company, assignee: *See*— Warner, Robert B., and Ford.

Formaz, Conrad G., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Readily adjustable extrusion device. 2,560,022, July 10.

Fort Howard Paper Company, assignee: *See*— Agamaite, Edward, Jr.

Fortenberry, William W., assignee: *See*— Meek, Samuel W.

Fosberg, Henry C., assignor to The Watson Manufacturing Company, Inc., Jamestown, N. Y. Follower for filing drawers. 2,560,428, July 10.

Foshee, Frank T., Fort Worth, Tex. Overcurrent protective system for motor circuits. 2,559,913, July 10.

Foss, Ferdinand H. H., assignor, by mesne assignments, to Kerns Industrial Corporation, Chicago, Ill. Slip cushion coupling. 2,560,427, July 10.

Fotsch, Arthur H.: *See*— Andrew, William K., and Fotsch.

Fouassin, Marcel, Liege, Belgium. Three-channel fine-coarse control system. 2,560,337, July 10.

Foust, Orville N., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe and making the same. 2,559,609, July 10.

Fox, Charles A.: *See*— Crump, Lindell L., and Fox.

France, Antoine, deceased, Liege, Belgium, by A. Detienne, executor, assignor to Rheo-France Compagnie Internationale des Rheolaveurs A. France, Societe Anonyme, Liege, Belgium. Apparatus for the washing in bulk of particles of coal and ores by alluviation in washing chutes. 2,560,429, July 10.

Francis, Carleton S., Jr.: *See*— Little, John W., and Francis

Frank, Georges, Brussels, Belgium. Production of cellulose sulfuric acid esters. 2,559,914, July 10.

Frank, Stanley L., Beaver, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Liquid tight indication light. 2,560,099, July 10.

Frayne, Clifford G., Washington, N. J., assignor to C. K. Williams & Co., East St. Louis, Ill. Chromic oxide production particularly for pigment purposes. 2,560,338, July 10.

Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix delivery means for typographical line composing machines. 2,560,517, July 10.

Friden Calculating Machine Co., Inc., assignee: *See*— Hopkins, George W.

Friend, Albert W., Lawrenceville, N. J., assignor to Radio Corporation of America. Magneto-optical transducer system. 2,560,430, July 10.

Frigid Fluid Company, assignee: *See*— Kaiser, Ernest H.

Frost, Frederick H., Portland, Maine, assignor to S. D. Warren Company, Boston, Mass. Planographic printing plate and treatment thereof. 2,559,610, July 10.

Frye, Charles F.: *See*— Dunning, John W., Frye, and Lathrop.

Fulton Company, The, assignee: *See*— Riemann, Howard C.

Fulton, Frank F., Plevna, Mont. Tractor sight. 2,559,761, July 10.

Furr, Asa C., Sedgwick, Colo. Hemorrhoid truss. 2,559,762, July 10.

G & G Glove Co., assignee: *See*— Ginsberg, Helen.

Gaebel, Arthur H., Larchmont, N. Y. Half-tone screen determiner. 2,559,915, July 10.

Gair, Robert, Company, Inc., assignee: *See*— Bolton, Philip S., and Aid.

Gambrill, Richard D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Cutter. 2,559,866, July 10.

Garber, Clark A., St. Paris, Ohio. Seeder attachment for tractors. 2,560,431, July 10.

Garber, John D., Cranford, N. J., assignor to Standard Oil Development Company. Friedel-Crafts treatment of unsaturated polymers. 2,560,164, July 10.

Garman, Raymond L., and J. K. McKendry, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Carbon arc feed. 2,560,165, July 10.

Garmany, William J., Jr., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Power regulator. 2,559,611, July 10.

Garofalo, Charles J., Brooklyn, N. Y. Sheathed hair comb. 2,559,867, July 10.

Garrett Corporation, The, assignee: *See*—
Ramsaur, Walter R., and Jensen.

Gaudreau, Alfred E., Springfield, Mass. Clamp. 2,559,716, July 10.

Gausch, Kenneth F., St. Louis, Mo. Runway marker light. 2,560,432, July 10.

Gay, Frazer W., Metuchen, N. J. House structure adapted for interior temperature controls. 2,559,868, July 10.

Gay, Frazer W., Metuchen, N. J. House structure and heating system therefor. 2,559,869, July 10.

Gay, Frazer W., Metuchen, N. J. House heating system. 2,559,870, July 10.

Gay, Frazer W., Metuchen, N. J. House structure and heating system therefor. 2,559,871, July 10.

Geisseler, Josef, Thalwil, Switzerland, assignor to Landis & Gyr, A-G. Device for automatic regulation of room temperature in buildings. 2,560,282, July 10.

Geller, Harold H., Milwaukee, Wis. Stabilizing the foam of malt beverages. 2,559,612, July 10.

General American Transportation Corporation, assignee: *See*—
Stebbins, Harry Y.

General Aniline & Film Corporation, assignee: *See*—
Bestehorn, Heinrich H., and Schmidt-Nickels.
Glickman, Samuel A.
Kleinschmidt, Roger F.
Sargent, Donald E.
Slifkin, Sam C.

General Bronze Corporation, assignee: *See*—
Danielsen, August A.

General Electric Company, assignee: *See*—
Dewey, Clyde G.
Hayes, Charles P.
Rich, Theodore A.
Sias, Frederick R.
Sturtevant, George R., and Busch.

General Motors Corporation, assignee: *See*—
Jagen, Theodore A.
Klopak, Joseph.

General Precision Laboratory Incorporated, assignee: *See*—
Garman, Raymond L., and McKendry.
Gray, John W.

George, Frank W., Spokane, Wash. Vehicle signal switching means. 2,559,717, July 10.

Gessler, Albert M., Cranford, N. J., assignor to Standard Oil Development Company. Hydrocarbon plasticizers for oil-resistant polymers. 2,560,339, July 10.

Giesey, Boyd Y., Ferndale, assignor to Progressive Welder Company, Detroit, Mich. Fluid control system for flash welders. 2,560,283, July 10.

Gilbert, Alfred R.: *See*—
Beck, Lloyd W., Gilbert, and Wolfe.

Gilbert, William I.: *See*—
Montgomery, Charles W., Gilbert, and Kline.

Gilbert, William I., and W. A. Horne, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Desulfurization of hydrocarbon oils. 2,560,433, July 10.

Ginder, John C. S., Etna, and J. M. Walsh, Jr., Clairton, Pa., assignors to United States Steel Company. Protective covering for blast furnace bells. 2,559,763, July 10.

Ginsberg, Helen, assignor to G & G Glove Co., New York, N. Y. Machine for making double-stitched gloves. 2,560,100, July 10.

Girdler Corporation, The, assignee: *See*—
Alexander, Bruce T.

Gleasman, Vernon E., Elmira, N. Y. Differential. 2,559,916, July 10.

Glenn, William E., Jr., Birmingham, Ala., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse analyzer. 2,560,166, July 10.

Glenn, William E., Jr., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse shaping circuit. 2,560,167, July 10.

Glickman, Samuel A., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of 1-halo-3-trihalopropyl ethers. 2,560,219, July 10.

Gloess, Paul F. M., and L. J. Libois, Paris, France. Device for translating duration or time modulated pulses into coded pulses. 2,560,434, July 10.

Goepfert, George J.: *See*—
Ries, Kernell G., and Goepfert.

Goldberg, Ralph, Denver, Colo. Window frame and sash. 2,559,764, July 10.

Golden, Harold: *See*—
Smith, Cornelius W., and Golden.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Color television system. 2,560,168, July 10.

Gomersall, John R., assignor to McGraw Electric Company, Elgin, Ill. Automatic electric toaster. 2,560,386, July 10.

Goodlett, Edward R., Ferguson, and H. W. Wishart, University City, Mo., assignors to Curtiss-Wright Corporation. Weight and center of gravity indicator. 2,559,718, July 10.

Goodman-Kleiner Co., Inc., assignee: *See*—
Marco, John L.

Goodrich, B. F., Company, The, assignee: *See*—
Harper, Thomas C.
Loweke, Erwin F.
Shearer, Ross.
Slemmons, Charles O.

Gradisar, Albin A., Buffalo, N. Y., assignor to American Optical Compnay, Southbridge, Mass. Microscope adjustment mechanism. 2,560,169, July 10.

Gradsten, Marcel: *See*—
Zerner, Ernst, Gradsten, and West.

Grand Specialties Company, assignee: *See*—
Sasgen, Anthony M., and Hopfeld.

Grandnom, René, Troyes, assignor to Mrs. R. Lebocey, born Belleuvre, B. J. E., J. H. J., and A. L. S. Lebocey, Troyes, France. Circular looping machine. 2,560,435, July 10.

Grandstaff, Otho D., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Voltage regulating system. 2,560,284, July 10.

Gravina, Michel, and M. Hawadier, Paris, France; said Hawadier assignor to said Gravina. Clutch and brake pilot mechanism. 2,559,765, July 10.

Gray, John W., White Plains, N. Y., assignor to General Precision Laboratory Incorporated. Voltage dividing circuit. 2,560,170, July 10.

Gray Marine Motor Company, assignee: *See*—
Fernstrum, Robert W.

Graziano, Joseph, Newburgh, N. Y. Fuel vaporizer. 2,560,220, July 10.

Green, Arthur D., and E. T. Marshall, Cranford, N. J., assignors to Standard Oil Development Company. Polymerization process. 2,560,340, July 10.

Green, Martin, Mahwah, N. J. Ridable amusement and exercising device. 2,560,436, July 10.

Green, Vernon L.: *See*—
Birch, Thomas H., and Green.

Gresham, Paul J., Austin, Tex. Centrifuge bowl with reciprocating valve for discharging solids from the bowl. 2,559,917, July 10.

Grieb, Benjamin C., Chestnut Hill, assignor to Air-Shields, Inc., Hatboro, Pa. Marker buoy for air or surface craft. 2,559,918, July 10.

Griffin, John E., Muskegon, Mich. Photographic contact printing apparatus. 2,559,766, July 10.

Grigoteit Company, The, assignee: *See*—
Howie, John L., Jr.

Grohman, Sanford H.: *See*—
Grohman, Walter G. and S. H.

Grohman, Walter G. and S. H., New York, N. Y. Batting means for mechanical baseball games. 2,559,872, July 10.

Gruenhut, Alfred, assignor to Mills Industries, Incorporated, Chicago, Ill. Light projector for displaying images carried by an intermittently rotatable wheel. 2,560,390, July 10.

Grupe, William F., Lyndhurst, and A. P. Bamford, Irvington, N. J., assignors to Arkell & Smiths, Canajoharie, N. Y. Machine for and method of manufacturing valve bags. 2,559,873, July 10.

Guenther, George G.: *See*—
Guenther, Henry J. and G. G.

Guenther, Henry J. and G. G., New York, N. Y. Slide fastener brief case. 2,560,437, July 10.

Guggenheim Brothers, assignee: *See*—
Bevan, John G.

Guillemette, Arthur J., Washington, R. I. Vehicle tire spreader. 2,560,101, July 10.

Guinn, J. Edwin, Ithaca, N. Y. Sander. 2,560,102, July 10.

Guinot, Henri M., Versailles, assignor to Les Usines de Melle (Société Anonyme), Saint-Leger-les-Melle, France. Manufacture of nonsaturated aldehydes. 2,560,103, July 10.

Gulf Oil Corporation, assignee: *See*—
Cornell, Paul W.
Smith, Herschel G., and Cantrell.

Gulf Research & Development Company, assignee: *See*—
Gilbert, William I., and Horne.
Montgomery, Charles W., Gilbert, and Kline.
Riethof, George, Montgomery, and Brown.

Gunn, Radford B., Jr., Meridian, Miss. Load gripper for vehicles such as lift trucks. 2,560,438, July 10.

Gustafsson, Gotthard V. A., Hoglandstorget, assignor to Bolidens Gruvaktiebolag, Skelleftehamn, Sweden. Apparatus for measuring forces, especially the force of gravity. 2,559,919, July 10.

Guyton, Frank, Sperry, Okla. Automatic oil tank switch. 2,560,104, July 10.

Habenicht, August F., Tinley Park, Ill. Hydraulic power unit. 2,560,285, July 10.

Haelen, John C.: *See*—
Elle, Bruce L., and Haelen.

Hainke, Paul, Mower Corporation, Inc., The, assignee: *See*—
Hainke, Paul W.

Hainke, Paul W., assignor to The Paul Hainke Mower Corporation, Inc., Hutchinson, Kans. Platform for lawn mowers. 2,559,920, July 10.

Hall, Cecil R. L.: *See*—
Kerr, Hugh M., and Hall.

Hall, John L., Jr., and T. D. Whidden, Sr., Jacksonville, Fla. Electric steam boiler. 2,559,954, July 10.

Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation. Televiison distribution system. 2,559,613, July 10.

Ham, William C., Chesterfield County Courthouse, O. A. Hitt and M. Klachif, Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hot tube drying. 2,560,341, July 10.

Hamblin, Jack L., assignor of one-half to J. C. Walbright, Portsmouth, Ohio. Snow and ice melting device for vehicles. 2,560,221, July 10.

Hammerquist, William L., assignor to Electro Manganese Corporation, Knoxville, Tenn. Manganese electrowinning process. 2,559,874, July 10.

Hanger, James E., III, assignor to Metal Limb Manufacturers, Inc., Washington, D. C. Knee lock for artificial limbs. 2,560,286, July 10.

Hanmer, Robert S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of alkyl benzenes. 2,559,818, July 10.

Hannum, John A., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Liquid explosive consisting of a nitroparaffin and N-dodecane. 2,560,439, July 10.

Hansen, Joseph F., Sheboygan, Wis. Detachable tooth and blade in mower bar assembly. 2,560,222, July 10.

Hanson, Alfred H., Garrison, N. Y. Combination ladder and hand truck. 2,560,342, July 10.

Hanzalek, William V., New York, N. Y., assignor to Wright Aeronautical Corporation. Double air-swirl baffle construction for fuel burners. 2,560,223, July 10.

Hapman, Hannah J., assignee: *See*—
Hapman, Henry W.

Hapman, Henry W., assignor of forty per cent to H. J. Hapman, Detroit, Mich. Apparatus for conditioning, cleaning, and circulating cooling liquids. 2,559,614, July 10.

Hapman, Henry W., assignor, by mesne assignments, of forty per cent to H. J. Hapman, Detroit, Mich. Conveyer bucket. 2,559,615, July 10.

Hapman, Henry W., assignor of forty per cent to H. J. Hapman, Detroit, Mich. Pressure-sealing apparatus for flight conveyers. 2,559,616, July 10.

Harlow, Samuel L., Jr., Memphis, Tenn., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Expander roll. 2,560,039, July 10.

Harper, Thomas C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protective covering to prevent ice accumulations. 2,560,287, July 10.

Harris, Benjamin R., and M. H. Joffe, assignors to The Emulsol Corporation, Chicago, Ill. Nut butters. 2,560,509, July 10.

Hart, Henry W., Idabel, Okla. Hydraulic brake system. 2,560,105, July 10.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Rinia, Herre, and Leblans.
Van Urk, Arend T.

Hartigan, Raymond H., assignor to Koppers Company, Inc., Pittsburgh, Pa. Manufacture of melamine. 2,559,617, July 10.

Hartmann, William E.: *See*—
Rega, Fred L., and Hartmann.

Hartwell, Harlow H., Waterloo, N. Y. Projectile. 2,559,955, July 10.

Harvel Corporation, The, assignee: *See*—
Caplan, Solomon.

Harvey, Valentine P., and G. F. W. Powell, assignors to Molins Machine Company Limited, London, England. Dynamic braking for electrically driven machines. 2,560,288, July 10.

Hasbrook, Arthur F., assignor to O. S. Petty, San Antonio, Tex. Pulsed distance measuring instrument. 2,560,289, July 10.

Hat Corporation of America, assignee: *See*—
Eakland, Edward H.
Rickus, George M.

Hatcher, Ernest C., Northwood, assignor to J. Stone & Company Limited, Deptford, England. Variable pitch propeller. 2,559,767, July 10.

Hawadier, Marcel: *See*—
Gravina, Michel, and Hawadier.

Haworth, James: *See*—
Briggs, Arthur S., and Haworth.

Hay, Alexarena, Glace Bay, and S. R. McLeod, Sydney, Nova Scotia, Canada. Compressible sectional mattress. 2,559,956, July 10.

Hayes, Charles P., Fort Wayne, Ind., assignor to General Electric Company. Laminated magnetic core. 2,560,224, July 10.

Hayes, Harvey C., Washington, D. C. Supersonic apparatus. 2,559,618, July 10.

Head, Wrightson & Company Limited, assignee: *See*—
Wrightson, Thomas G., and Lake.

Hearing, Elmer E., assignee: *See*—
Warren, Lawrence N.

Heeren, Luitjen H., Westmount, Quebec, Canada. Window roller screen. 2,560,440, July 10.

Helberg, Vernon C., Evergreen Park, Ill. Headed axle or rod and making same. 2,560,290, July 10.

Held, John W., Fairview, assignor to Tube Craft, Inc., Cleveland, Ohio. Safety partition. 2,560,106, July 10.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Catalytic conversion process. 2,560,343, July 10.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Two stage hydrocarbon synthesis operation. 2,560,344, July 10.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Pretreatment of catalyst for hydrocarbon synthesis. 2,560,345, July 10.

Henderson, Rufus J., Dyersburg, Tenn. Mechanical gap gear for textile roving frames. 2,559,619, July 10.

Hendry, Robert S.: *See*—
Snyder, Francis P., and Hendry.

Hepp, Harold J., and M. O. Kilpatrick, Bartlesville, Okla., assignors to Phillips Petroleum Company. Pebble heater. 2,559,957, July 10.

Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Frequency-stabilizing method and system. 2,559,719, July 10.

Herts, Jack H. B., and J. E. McPhee, assignors to John Widdicomb Company, Grand Rapids, Mich. Bedrail finishing carrier. 2,559,958, July 10.

Herzberger, Maximilian J., assignor to Eastman Kodak Company, Rochester, N. Y. Wide angle corrected photographic objective comprising four meniscus components in axial alignment. 2,559,875, July 10.

Hettinger, Charles, West Englewood, N. J. Machine for automatically packaging articles. 2,559,819, July 10.

Hewson, Thomas A., Dover, assignor to Lessells and Associates, Inc., Boston, Mass. Automatic chemical testing apparatus. 2,560,107, July 10.

Hieb, Herbert, assignor to R. J. Newell, Des Moines, Iowa. Folding high chair. 2,560,108, July 10.

High, Jurjen S., deceased, late of Philadelphia, Pa., by R. High, executrix, Philadelphia, Pa. Air driven shaker. 2,559,620, July 10.

High, Ric, executrix: *See*—
High Jurjen S.

Hildyard, Joseph M., United States Army, Arlington County, Va. Electrical apparatus. 2,559,622, July 10.

Hill, Luther R., Ridgewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,560,171, July 10.

Hill, Ralph M., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Forming tubular bodies with peripheral projections. 2,559,621, July 10.

Hillyer, John C.: *See*—
McCaslin, John W., and Hillyer.

Hines, Gail H., Lansing, Mich. Adjustable pole. 2,560,109, July 10.

Hinson, Howard H., assignor to Continental Oil Company, Ponca City, Okla. Determining path, rate of flow, etc., in subsurface strata. 2,560,510, July 10.

Hipps, Thomas B., Fort Worth, Tex. Automatic cutoff for radio receivers. 2,559,959, July 10.

Hitt, Otha A.: *See*—
Ham, William C., Hitt, and Klachif.

Hobson, H. M., Limited, assignee: *See*—
Edwards, Thomas.

Hoekstra, James, assignor to Universal Oil Products Company, Chicago, Ill. Device for controlling the level of subdivided solid particles within a contacting chamber. 2,559,876, July 10.

Hoffmann-La Roche Inc., assignee: *See*—
Duschinsky, Robert.

Hofmann, Alfred, & Co., assignee: *See*—
Schoenster, Peter, and Schmollinger.

Holdaway, Vivian L., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glow discharge voltage control device. 2,560,346, July 10.

Holl, James W. F., Long Beach, Calif. Hydraulic pumping system. 2,560,441, July 10.

Holmes, Gifford I., Garden City, N. Y., assignor to The Sperry Corporation. Turbo-supercharger system having controlled inlet and exhaust waste gate. 2,559,623, July 10.

Holston, Eugene L.: *See*—
McVicker, Graham D., and Holston.

Holzschuh, Andrew A.: *See*—
Pelton, Earl L., and Holzschuh.

Hoosier Crown Corporation, The, assignee: *See*—
Smith, Robert P., and James.

Hopfeld, Fred P.: *See*—
Sasgen, Anthony M., and Hopfeld.

Hopkins, George W., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Keyboard sealing means. 2,559,820, July 10.

Horn, Henry S., South Orange, assignor to W. C. Horn Bros. & Co., Newark, N. J. Temporary binder. 2,560,110, July 10.

Horn, W. C., Bros. & Co., assignee: *See*—
Horn, Henry S.

Horne, William A.: *See*—
Gilbert, William I., and Horne.

Horne, William R., Los Angeles, Calif. Animal trap. 2,560,442, July 10.

Hosford, Clarence X., Red Oak, Tex. Weeding and cultivating attachment for tractors. 2,560,443, July 10.

Houdry Process Corporation, assignee: *See*—
Lassiat, Raymond C., and Evans.

Houghtaling, Lester R.: *See*—
Scholfield, Richard P., and Houghtaling.

Houplain, René B., Paris, France. Self-locking mechanism. 2,559,960, July 10.

House, Kenneth R.: *See*—
Olpin, Henry C., House, and Wright.

Houston, David F., El Cerrito, and E. B. Kester, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of 7-hydroxyphenothiazone-3. 2,559,624, July 10.

Howard, Ira, assignee: *See*—
Howard, Ira F.

Howard, Ira F., assignor of one-third to R. Rimes and one-third to I. Howard, Marco, Fla. Vertical and horizontal axes roundabout. 2,559,768, July 10.

Howell, Argus A., Ontario, Calif. Jointed flexible level. 2,559,961, July 10.

Howie, John L., Jr., assignor to The Grigolelt Company, Decatur, Ill. Apparatus for molding threaded articles. 2,560,291, July 10.

Hoyt, Fred W.: *See*—
Nadeau, Gale F., and Hoyt.

Hudson Motor Car Company, assignee: *See*—
Spring, Frank S.

Hudson, Neal, Phoenix, Ariz. Vehicular coupler. 2,559,962, July 10.

Hull, W. Clyde, assignee: *See*—
Chandler, William.

Hullegård, Erik W., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Gaseous discharge tube with arc discharge. 2,559,769, July 10.

Hulse, John, assignor of one-half to R. T. Levine, Danbury, Conn. Buffing chuck. 2,560,111, July 10.

Hunter, Frederick L., Lake Bluff, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Apparatus for treating gases. 2,559,720, July 10.

Hutt, Milton H., Morrestown, N. J., assignor to Radio Corporation of America. Reel spindle adapter knob. 2,560,225, July 10.

Ihle Manufacturing Company, assignee: *See*—
Ihle, Orden E., and Kapteyn.

Ihle, Orden E., Glendale, and E. J. Kapteyn, Los Angeles, assignors to O. E. Ihle, doing business as Ihle Manufacturing Company, Glendale, Calif. Combined container and dispenser for liquids. 2,559,877, July 10.

Illinois Tool Works, assignee: *See*—
Burdick, Hugh T.
De Swart, Jan.

Imperial Chemical Industries Limited, assignee: *See*—
Briggs, Arthur S., and Haworth.
Coffey, Samuel, Fairweather, Lodge, and Wardleworth.
Coffey, Samuel, Lodge, and Wardleworth.
Kerr, Hugh M., and Hall.
Topham, Arthur.

Inglis, Norman R., Youngstown, Ohio. Air conditioner. 2,560,349, July 10.

Innes, George, Altadena, Calif. Tuber digger and separator. 2,559,965, July 10.

International Business Machines Corporation, assignee: *See*—
Johnson, Reynold B.

International Chemical Extinguisher Corporation, assignee: *See*—
Keefe, Michael E., Jr., and I. K.

International Standard Electric Corporation, assignee: *See*—
Bailey, Robert S.
Black, Donald H.
Deakin, Gerald.
Derjavitch, Boris.
Dublin, Lester.
Kruithof, Jakob, and Jochem.
McLarn, Ernest S.
Reeves, Alec H.
Rheingold, Michael, and Van Mierlo.
Richardson, Avery G.
Secker, Ben.
Willoughby, Eric O.

Interstate Folding Box Company, The, assignee: *See*—
Back, Leonard.

Intertype Corporation, assignee: *See*—
Freund, Herman R.

Iowa State College Research Foundation, assignee: *See*—
Nelson, Frank E., and Peters.

Irving Air Chute Co., Inc., assignee: *See*—
Jackson, John M.

Isoleringsaktiebolaget WMB, assignee: *See*—
Berner, Erling.

Jackson, Frank W., and H. M. Nacey, Chicago, Ill. Alarm bell and vibrator element therefor. 2,560,444, July 10.

Jackson, John M., East Finchley, London, England, assignor to Irving Air Chute Co., Inc., Buffalo, N. Y. Safety lowering device, including rocket decelerator. 2,560,445, July 10.

Jagen, Theodore A., Harrison, N. J., assignor to General Motors Corporation, Detroit, Mich. Gauging machine. 2,560,446, July 10.

James, Fred E.: *See*—
Smith, Robert P., and James.

Jansen, Eugene F., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Isolation of an organic sulfur compound from asparagus. 2,559,625, July 10.

Jansen, Eugene F., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Dithiane carboxylic acids. 2,559,626, July 10.

Jansen, Victor, Los Angeles, Calif. Folding seat which can be carried as a cane. 2,560,447, July 10.

Jeffery, Richard E.: *See*—
Warshaw, Nathaniel, and Jeffery.

Jeffries, Virginia S., assignee: *See*—
Straith, Claire L.

Jelinek, Arthur G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 2,2-bis-(para-allyloxyphenyl) propane miticidal compositions. 2,560,350, July 10.

Jenkins, Gwilym I., Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company Limited, London, England. Catalytic cracking of heavy hydrocarbons in two stages. 2,560,511, July 10.

Jensen, Hans, Arlington Heights, assignor, by mesne assignments, to Rotary Seal Company, Chicago, Ill. Bearing seal. 2,559,963, July 10.

Jensen, Hans, Arlington Heights, assignor, by mesne assignments, to Rotary Seal Company, Chicago, Ill. Bearing seal. 2,559,964, July 10.

Jensen, Raymond W.: *See*—
Ramsaur, Walter R., and Jensen.

Jochem, Marinus: *See*—
Kruithof, Jakob, and Jochem.

Joffe, Morris H.: *See*—
Harris, Benjamin R., and Joffe.

Johns-Manville Corporation, assignee: *See*—
Kalin, John B.

Johnson, Carl E., Hammond, and C. E. Adams, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Condensation of alkyl aryl ethers with alpha-halogen alkanals. 2,560,173, July 10.

Johnson, Donald M., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Zinc and cadmium passivating bath. 2,559,878, July 10.

Johnson, Elmer L., assignor to Bell & Howell Company, Chicago, Ill. Photographic copying apparatus. 2,559,770, July 10.

Johnson, Gordon, Company, assignee: *See*—
Johnson, Gordon W.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Poultry picking machine. 2,560,524, July 10.

Johnson, Paul W., Bloomfield, Conn. Gauge of pivoted gauge member type with end indicator. 2,559,771, July 10.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Mark tester. 2,559,627, July 10.

Johnson, S. C., & Son, Inc., assignee: *See*—
Brown, Robert J.

Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Binary binomial sequential analyzer. 2,560,172, July 10.

Jones, William C., Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Recovery of lubricating oil from solvent extracts. 2,560,448, July 10.

Joos, Charles E., Wyncote, Pa., and A. E. Kittredge, Audubon, N. J., assignors to Cochrane Corporation, Philadelphia, Pa. Heating, deaerating, and purifying water. 2,560,226, July 10.

Jorsch, George R., Rhinelander, Wis. Rotary cutter head with multiple blade clamping disk. 2,560,174, July 10.

Joseph, John W., Bronx, N. Y. Layout vernier. 2,559,966, July 10.

Joy Manufacturing Company, assignee: *See*—
Dansereau, Edward I.
Overturf, William E.

Joyce, Robert M., Jr.: *See*—
Bittles, James A., Jr., and Joyce.

Joyce, Robert M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorine-containing alcohols and preparing the same. 2,559,628, July 10.

Jupiter Steam Appliances, Inc., assignee: *See*—
Kupka, John J.

Kagan, William, University City, Mo. Trailer ice truck and cooling apparatus for buildings. 2,559,821, July 10.

Kahr, Martin, and V. R. Noll, assignors to The Filer & Stowell Co., Milwaukee, Wis. Free piston engine. 2,560,449, July 10.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Mooney, Cloise L.

Kaiser, Ernest H., Chicago, Ill., assignor to Frigid Fluid Company. Casket lowering device. 2,560,450, July 10.

Kalbach, John C., assignor to The American Metal Company Limited, New York, N. Y. Stagewise fluidizing reduction of zinc compounds. 2,559,631, July 10.

Kalbach, John C., assignor to The American Metal Company, Limited, New York, N. Y. Fluidizing reduction of zinc compounds with stagewise feeding of solids. 2,560,175, July 10.

Kalin, John B., South Gate, Calif., assignor to Johns-Manville Corporation, New York, N. Y. Making asphalt covering units. 2,559,879, July 10.

Kapteyn, Edwin J.: *See*—
Ihle, Orden E., and Kapteyn.

Katz, Maurice, Neuilly-sur-Seine, France. Hydraulic device for damping oscillations for spring suspensions of vehicles and the like. 2,559,632, July 10.

Katz, Maurice, Neuilly-sur-Seine, France. Hydraulic device for damping oscillations for spring suspensions of vehicles and the like. 2,559,633, July 10.

Katz, Maurice, Coulouse, France. Retractable shock absorber, particularly for aircraft landing gears. 2,559,967, July 10.

Katz, Maurice, Neuilly-sur-Seine, France. Shock absorbing device for vehicles. 2,559,968, July 10.

Kauch, Robert, Alexandria, Va. Gas piston operated revolver. 2,560,292, July 10.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,560,512, July 10.

Kearney, James R., Corporation, assignee: *See*—
Crump, Lindell L., and Fox.

Kearney & Trecker Corporation, assignee: *See*—
Andrew, William K., and Fotsch.
Armitage, Joseph B.

Keefe, Ida K.: *See*—
Keefe, Michael E., Jr., and I. K.

Keefe, Michael E., Jr., and I. K., assignors to International Extinguisher Corporation, Atlanta, Ga. Dry powder fire-extinguisher apparatus. 2,559,634, July 10.

Keen, William E.: *See*—
Craig, Helen C., and Keen.

Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.

Kell, Ray D., and G. C. Sziklai, Princeton, N. J., assignors to Radio Corporation of America. Simultaneous color television. 2,560,351, July 10.

Kellogg, M. W., Company, The, assignee: *See*—
Hill, Luther R.

Kellogg Switchboard and Supply Company, assignee: *See*—
Bellamy, John I.
Earle, Edwin L., Arthur, and Bellamy.

Kelly, Robert L., Baltimore, Md. Resilient clamp newspaper and magazine holder. 2,559,822, July 10.

Kelsey, Cadwallader W., Troy, N. Y. Scarifier. 2,560,352, July 10.

Kemp, Arthur W., Woodbridge, assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Lubricant control for journal boxes or the like. 2,560,451, July 10.

Kempton, Leslie A., St. Petersburg, Fla., assignor to The Dole Valve Company, Chicago, Ill. Thermostatic fluid mixing valve. 2,560,293, July 10.

Kempton, Leslie A., St. Petersburg, Fla., assignor to The Dole Valve Company, Chicago, Ill. Piston seal boot. 2,560,294, July 10.

Kendall, Ray, and J. D. Williams, Tulsa, Okla., said Williams assignor to said Kendall. Three-control system for aircraft. 2,560,112, July 10.

Kennedy, Douglas H., Corpus Christi, Tex., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Applying a masking composition to a glass base. 2,559,969, July 10.

Kennedy, Leo I., Lemoyne, Pa. Standpipe turning device. 2,560,113, July 10.

Kennon, Lorenzo, Burbank, assignor of one-half to W. S. Schwartz, Glendale, Calif. Pipe fitting. 2,560,114, July 10.

Kenyon, William O., T. T. M. Laakso, and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Polymers of alkyl α-acyloxyacrylates. 2,559,635, July 10.

Kerns Industrial Corporation, assignee: *See*—
Foss, Ferdinand H. H.

Kerr, Hugh M., Brownsburg, Quebec, Canada, and C. R. L. Hall, Saltcoats, Scotland, assignors to Canadian Industries Limited, Montreal, Quebec, Canada, and Imperial Chemical Industries Limited, London, England. Delay compositions for electric blasting caps. 2,560,452, July 10.

Kerwien, Arthur E., Ocean Township Monmouth County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cavity resonator. 2,560,353, July 10.

Kesel, Robert E., and R. E. Blattner, assignors to Eastman Kodak Company, Rochester, N. Y. Film measuring and double-exposure prevention device. 2,559,880, July 10.

Kessler, Frederick W., Springfield, Mass. Chamfer gauge. 2,560,176, July 10.

Kessler, Frederick W., Springfield, Mass. Flush pin gauge. 2,560,177, July 10.

Kester, Ernest B.: *See*—
Houston, David F., and Kester.

Kettler, Alfred H., Collingswood, N. J., assignor to Radio Corporation of America. Close talking microphone. 2,560,354, July 10.

Kiachif, Messoud: *See*—
Hnin, William C., Hitt, and Kiachif.

Kiedish, Anita: *See*—
Miller, Harold, and Kiedish.

Kilpatrick, Myron O.: *See*—
Hepp, Harold J., and Kilpatrick.

Kinetic Mixer Company, Inc., The, assignee: *See*—
Pullar, Harold B.

King, Inez T.: *See*—
King, Paul W., and I. T.

King, Paul W., and I. T. King, Falls Church, Va. Safety scissors box. 2,559,636, July 10.

King, Roland M., Salisbury, N. C. Internal-combustion engine with energy storing means. 2,559,970, July 10.

Kingslake, Rudolf, and H. F. Bennett, assignors to Eastman Kodak Company, Rochester, N. Y. Optical system comprising a positive member and a weak auxiliary member. 2,559,881, July 10.

Kirby, Herbert H., and C. B. Thorington, Long Beach, Calif. Collapsible telescope stand. 2,559,971, July 10.

Kirchel, Alan A., assignor to Creed and Company Limited, Croydon, England. Keyboard controlled telegraph apparatus. 2,559,637, July 10.

Kirkpatrick, Paul H., Stanford University, Calif., assignor to Research Corporation, New York, N. Y., Formation of X-ray images by refractive focusing. 2,559,972, July 10.

Kitchen, Leland J., and J. C. Ambelang, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Nondiscoloring antioxidants for natural rubber and synthetic rubbers. 2,560,028, July 10.

Kitchen, Leland J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Stabilization of rubbery compositions. 2,560,037, July 10.

Kittredge, Arthur E.: *See*—
Joos, Charles E., and Kittredge.

Klapproth, Frederick D.: *See*—
Christman, John J., and Klapproth.

Kleinert, Theodor, Vienna, Austria, assignor to Lenzinger Zellwolle- und Papierfabrik Aktiengesellschaft, Lenzing-Agerzell, Upper-Austria. Treating of cellulose material. 2,560,391, July 10.

Kleinschmidt, Roger F., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of malonaldehyde oximes. 2,560,227, July 10.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Heat exchange unit for refrigeration. 2,560,453, July 10.

Kline, Robert E.: *See*—
Montgomery, Charles W., Gilbert, and Kline.

Klopak, Joseph, Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Apparatus for dressing convex surfaces on grinding wheels. 2,560,454, July 10.

Klose, Alfred J., Rolling Hills, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Rudder for tailless airplanes. 2,559,823, July 10.

Knight, Thomas H., Phillips, Tex., assignor to Phillips Petroleum Company. Thermocouple return bend and well. 2,560,455, July 10.

Kobler, Victor, and W., Zurich, Switzerland. Multihead dry shaving apparatus. 2,559,772, July 10.

Kobler, Werner: *See*—
Kobler, Victor, and W.

Koenig, William R., Sr., Madison, Wis. Closet collar adapter. 2,559,773, July 10.

Kompass, Frank O., New York, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Toaster. 2,560,115, July 10.

Koppers Company, Inc., assignee: *See*—
Hartigan, Raymond H.

Kosorok, Joseph L., Red Lodge, Mont. Brush holder and scraper attachment for paint cans. 2,560,228, July 10.

Krause, Jack H., and T. B. Tom, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Regenerating mercaptan solvent. 2,560,178, July 10.

Krchma, Ignace J., Wilmington, and H. H. Schaumann, Newark, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of titanium dioxide. 2,559,638, July 10.

Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Strip for fluorescent lamps. 2,559,639, July 10.

Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Connecting means for lighting fixture louver frames. 2,559,640, July 10.

Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Combination light distributor and wiring conduit for elongated tubular lamps. 2,559,641, July 10.

Kruithof, Jakob, and M. Jochem, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Ribbon cable. 2,559,642, July 10.

Kruse, John J., Waterbury, Conn. Ice gripper for vehicle wheels. 2,559,721, July 10.

Kunkel, Gustave A., and L. A. Eversole, Needville, Tex. Cotton and corn roller. 2,559,774, July 10.

Kunz, Bernard P., Aurora, Colo. Pivoted jaw wrench. 2,559,973, July 10.

Kunz, Bernard P., Englewood, Colo. Wrench having a pivoted outer jaw. 2,559,974, July 10.

Künsi, Karl, assignor to Aktiengesellschaft der Eisen-und Stahlwerke vormals Georg Fischer, Schaffhausen, Switzerland. Screw-threading machine. 2,559,775, July 10.

Kuoni, Xaver, Zurich, Switzerland. Strap tensioning and sealing device. 2,560,456, July 10.

Kupka, John J., Gladstone, N. J., assignor to Jupiter Steam Appliances, Inc., New York, N. Y. Pressure fluid engine. 2,560,295, July 10.

Laakso, Thomas T. M.: *See*—
Kenyon, William O., Laakso, and Unruh.

Lacy, Roane M., assignee: *See*—
McAllister, Clyde M.

Lake, Norman C.: *See*—
Wrightson, Thomas G., and Lake.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product and process. 2,559,643, July 10.

Landaw Brothers, assignee: *See*—
Aiello, Anthony and J.

Landaw, Harry, assignee: *See*—
Aiello, Anthony and J.

Landaw, Hyman, assignee: *See*—
Aiello, Anthony and J.

Landis & Gyr, A-G., assignee: *See*—
Geisseler, Josef.

Landon, Vernon D., Princeton, N. J., assignor to Radio Corporation of America. Pulse multiplex system. 2,559,644, July 10.

Lange, John J., Cuyahoga Falls, and A. G. Maranville, Akron, assignors to The Falls Stamping & Welding Company, Cuyahoga Falls, Ohio. Wheel. 2,559,975, July 10.

Lanier, William H., Glendale, Calif. Nose construction for model airplanes. 2,559,882, July 10.

Larsen, Robert G., Albany, Calif., and A. A. Schaerer, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Blending polyethylene-amorphous petroleum wax compositions. 2,559,645, July 10.

Larzelere, Samuel R., Laurel Springs, N. J. Combined letter sheet and return postal card or envelope. 2,559,776, July 10.

La Salle Steel Company, assignee: *See*—
See, Theodore S.

Lassiat, Raymond C., Swarthmore, and J. E. Evans, Wallingford, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Conversion apparatus and associated arrangement for controlling distribution of gases passing therethrough. 2,559,646, July 10.

Lathrop, Elbert C.: *See*—
Dinning, John W., Frye, and Lathrop.

Latrobe, Pierre M. L., Paris, France. Variably illumined plate. 2,560,392, July 10.

Leavens, Robert E., Houston, Tex. Slicing machine with vertically reciprocating cutter. 2,560,229, July 10.

Leblans, Leopold M. L. J.: *See*—
Rinia, Herre, and Leblans.

Lebocey, Annick L. S., assignee: *See*—
Grandnom, René.

Lebocey, Bernard J. E., assignee: *See*—
Grandnom, René.

Lebocey, Jacqueline H. J., assignee: *See*—
Grandnom, René.

Lebocey, Mrs. Raymonde (born Belleuvre), assignee: *See*—
Grandnom, René.

Legat, Robert C., New Britain, assignor to The G. E. Prentice Mfg. Co., Kensington, Conn. Adjustable fastening device. 2,559,883, July 10.

Legere, John, assignee: *See*—
Legere, Joseph L.

Legere, Joseph L., Oshawa, assignor of twenty-five per cent to John Legere, Brantford, Ontario, Canada. Molding machine. 2,559,647, July 10.

Lehmann, Herbert G., Bridgeport, Conn. Eraser. 2,559,884, July 10.

Leitz, Ernst, G. m. b. H., assignee: *See*—
Schreiber, Eduard.

Leland, George H., Dayton, Ohio. Winding layer wound magnet coils. 2,559,824, July 10.

Lenihan, Robert E.: *See*—
Westfall, Robert W., and Lenihan.

Lenzinger Zellwolle- und Papierfabrik Aktiengesellschaft, assignee: *See*—
Kleinert, Theodor.

Lermont, Basil, New York, and L. R. Birdsall, Sloatsburg, assignors, by mesne assignments, to Eastern Metals Research Co., Inc., New York, N. Y. Window actuating mechanism. 2,560,179, July 10.

Les Usines de Melle (Société Anonyme), assignee: *See*—
Guinot, Henri M.

Lessells and Associates, Inc., assignee: *See*—
Hewson, Thomas A.

Lesuenr, Jules, Sevres, France. Change-speed device. 2,560,180, July 10.

Levesque, Charles L., Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparation of thioamides. 2,560,296, July 10.

Levine, Raymond T., assignee: *See*—
Hulse, John.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Anderson, Thomas F.
Meyer, Leonard S.

Libois, Louis J.: *See*—
Gloess, Paul F. M., and Libois.

Lieber, Eugene, Chicago, Ill., and E. P. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Condensation products of silicon halides with chlorwax-naphthalene and chlorwax-phenol. 2,560,355, July 10.

Liedholm, George E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Fluidized powder flow and control. 2,560,356, July 10.

Lifton, Samuel H., New York, N. Y. Brief case. 2,560,207, July 10.

Lindenfelser, Richard, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Resinous reaction product of aromatic amine and melamine-formaldehyde. 2,559,976, July 10.

Lindhe, Eric G., Hastings on Hudson, assignor to Sweets Laboratories, Inc., New York, N. Y. Coated candy chewing gum and making same. 2,559,648, July 10.

Lindorfer, William E., Detroit, Mich. Pipe for smoking tobacco. 2,560,231, July 10.

Lindstrom, Harry E., assignor to Zephyr Manufacturing Co., Sedalia, Mo. Mop head holder. 2,559,722, July 10.

Links, Julian A., San Francisco, Calif. Child's musical instrument. 2,559,777, July 10.

Linnard, Irvin R., Montclair, N. J. Smoker's accessory. 2,560,230, July 10.

Linscott, Chester E.: *See*—
McGavack, John, and Linscott.

Litrell, Anthony R., Grant City, N. Y. Signaling counter. 2,559,723, July 10.

Litten, Edwin W., Pittsburgh, Pa. Safety escape ladder. 2,560,457, July 10.

Little, John W., Scarsdale, N. Y., and C. S. Francis, Jr., West Harwich, Mass., assignors, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Process and apparatus for transfer coating. 2,559,649, July 10.

Llewelyn, Arthur I.: *See*—
Williams, Frederic C., and Llewelyn.

Lobosco, Roscoe R., Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Electrical regulating system. 2,559,724, July 10.

Locke, Harry H., Wilkinsburg, Pa., assignor to United States Steel Company. Apparatus for determining temperatures of molten metal. 2,560,232, July 10.

Locke Steel Chain Company, The, assignee: *See*—
Stegeman, Henry J.

Lockwood, Lewis B., and G. E. N. Nelson, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of D-tartaric acid. 2,559,650, July 10.

Lodge, Frank: *See*—
Coffey, Samuel, Fairweather, Lodge, and Wardleworth.
Coffey, Samuel, Lodge, and Wardleworth.

Long, Betty R.: *See*—
Long, Walter H. and B. R.

Long, Walter H. and B. R., San Luis Obispo, Calif. Auxiliary seat for baby buggies and fastening means therefor. 2,560,458, July 10.

Loroco Industries Incorporated, assignee: *See*—
Tomarin, Harry A.

Loweke, Erwin F., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Disk brake. 2,559,885, July 10.

Loweke, Erwin F., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake valve assembly. 2,559,886, July 10.

Lucas, James E., Fort Worth, Tex., and C. H. Dossey, Chandler, Ariz. Starting device for rodeo contestants. 2,560,116, July 10.

Ludlow, James A., assignor to Campbell Engineering Co. Limited, Bromley, England. Ironing board with foldable legs and a sleeveboard attachment. 2,559,887, July 10.

Lummus Company, The, assignee: *See*—
Bloomer, Ward J.

Lundberg, Everett E., and T. Vigmostad, assignors to Briggs Manufacturing Company, Detroit, Mich. Locking mechanism for convertible tops. 2,560,459, July 10.

Lundberg, Hans T. F., assignee: *See*—
Bjarnason, Bjarni S.

Lundborg, Gustav L., Norristown, Pa. Water ski. 2,559,977, July 10.

Lyon, John C., Upper Darby, assignor to The Budd Company, Philadelphia, Pa. Support for sleeping car berth or the like. 2,560,513, July 10.

M and M Wood Working Company, assignee: *See*—
Becker, Irven S.

Mack Manufacturing Corporation, assignee: *See*—
Webster, Robert M., Jr., and Thomas.

Mackey, Augustus R., Newark, N. J. Reinforced clip and lingual or palatal bar for dentures. 2,560,460, July 10.

Maier, August R., Oil City, Pa., assignor to Oil Well Supply Company. Lubrication system. 2,560,233, July 10.

Makepeace, Ronald A., assignor, by mesne assignments, to Northern Electric Company, Limited, Montreal, Quebec, Canada. High and low frequency control for amplifier circuits. 2,559,888, July 10.

Mallary, Robert W., Los Angeles, Calif. Sign. 2,560,117, July 10.

Malone, James L., Swarthmore, and M. McKinnell, Chester, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Fuel feeding apparatus for gas-driven turbines. 2,560,118, July 10.

Mangels, Erwin G., Davenport, Iowa. Lubricating system. 2,560,461, July 10.

Mannervik, Carl O. L., Oskarshamn, Sweden. Shirt holder. 2,560,298, July 10.

Mansperger, Richard C., North Kansas City, Mo. Trimming device. 2,559,725, July 10.

Mapes Consolidated Manufacturing Company, assignee: *See*—
Alfreds, Torris H.

Maranville, Alger G.: *See*—
Lange, John J., and Maranville.

Marco, John L., Flushing, assignor to Goodman-Kleiner Co., Inc., New York, N. Y. Tongs. 2,559,978, July 10.

Market Forge Company, assignee: *See*—
Warshaw, Nathaniel, and Jeffery.

Marks, Leonard V., and D. W. Briscomb, Willesden, England, assignors to Modern Telephone Corporation, New York, N. Y. Intercommunication telephone system. 2,559,778, July 10.

Marquette Metal Products Company, The, assignee: *See*—
Sacchini, Columbus R.

Marschalk, Charles, and J. P. Niederhauser, Creil, assignors to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France. Water-soluble tetracene dyestuffs and dyeing employing them. 2,560,462, July 10.

Marshall, Edward T.: *See*—
Green, Arthur D., and Marshall.

Martin, Homer Z., Roselle, and K. J. Nelson, Cranford, N. J., assignors to Standard Oil Development Company. Production of solid fuel agglomerates. 2,560,357, July 10.

Martin, J. E., Equipment Corporation, assignee: *See*—
Mueller, Theodore G.

Martin, William O., Fort Smith, Ark. Railroad brake slack adjuster. 2,559,779, July 10.

Martinson, Peter, Tacoma, Wash. Artificial lure and leader protector and holder. 2,559,780, July 10.

Martola, Arthur E., Torrance, Calif. Multiple gas burner. 2,559,979, July 10.

Masterson, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Mass production method of, and apparatus for, making reclable magnetic phonograph records. 2,560,234, July 10.

Masterson, Earl E., Palmyra, N. J., assignor to Radio Corporation of America. Magnetic phonograph pickup. 2,560,358, July 10.

Mathot, Jacques: *See*—
Coutant, André C., and Mathot.

Matson, Finis F., Butte, Mont. Truck loader. 2,560,463, July 10.

Matthews, Richard F., Huntington Park, Calif. Lipstick holder. 2,559,889, July 10.

Matthews, W. N., Corporation, assignee: *See*—
Pollock, John A., and Turner.

Mauriell, Ralph, Sr., Little Silver, N. J. Aerauto parking system. 2,560,393, July 10.

McAllister, Clyde M., assignor, by mesne assignments, to R. M. Lacy, Waco, Tex. Pump. 2,559,980, July 10.

McAteer, Ira W.: *See*—
Parrigin, Homer P., and McAteer.

McBride, Robert H., Denver, Colo. Towing device for golf bag carts and the like. 2,559,981, July 10.

McCardell, Edmund A., assignor to Winpower Mfg. Company, Newton, Iowa. Rotary hoe wheel. 2,560,359, July 10.

McCaslin, John W., and J. C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company. Tetrahydrophthalic anhydride resins. 2,560,119, July 10.

McDowell, Thomas, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Attachment for cutting tables. 2,559,982, July 10.

McElhinney, Thomas R., Lockport, La., assignors to Valite Corporation, New Orleans, La. Synthetic resin and making same. 2,560,299, July 10.

McGavack, John, Leonia, and C. E. Linscott, Ridgewood, N. J., assignors to United States Rubber Company, New York, N. Y. Rubber and carbon black mixes directly from natural rubber latex. 2,560,235, July 10.

McGraw Electric Company, assignee: *See*—
Gomersall, John R.
Olving, Bror G.
Van Ryan, Anthony, and Schindler.

McIntyre, Glenn H.: *See*—
Skinner, Robert E., and McIntyre.

McKendry, John K.: *See*—
Garman, Raymond L., and McKendry.

McKinnell, Matthew: *See*—
Malone, James L., and McKinnell.

McKinney, Ansel, Jr.: *See*—
McKinney, Ansel, Sr. and Ansel, Jr.

McKinney, Ansel, Jr., Berkeley, Calif. Nail polish brush guide. 2,559,825, July 10.

McKinney, Ansel, Sr., and A. McKinney, Jr., Berkeley, Calif. Hairpin dispenser. 2,559,826, July 10.

McLarn, Ernest S., Manhasset, assignor to International Standard Electric Corporation, New York, N. Y. Telephone subset. 2,559,651, July 10.

McLeod, Starr R., assignee: *See*—
Hay, Alexarena, and McLeod.

McMahon, Howard E., Delafield, Wis. Bird calling device. 2,559,781, July 10.

McNatt, Eugene M., Tulsa, Okla., assignor to Standard Oil Development Company. Magnetic compass compensation device. 2,560,464, July 10.

McNinch, James N., and L. E. Myers, assignors to Sterling Electronic Door Control Corporation, Sterling, Ill. Electric overhead door opening and closing device. 2,560,236, July 10.

McPhee, John E.: *See*—
Herts, Jack H. B., and McPhee.

McPherson, Donald R., Portland, Oreg. Music page and hinged corner tab therefor. 2,559,726, July 10.

McVicker, Graham D., and E. L. Holston, San Diego, Calif. Hand or power-operated mechanism. 2,560,465, July 10.

Meador, Duis W.: *See*—
Wiegand, Francis J., and Meador.

Meagher, John J.: *See*—
Pilgrim, Daniel D., and Meagher.

Meek, Samuel W., assignor of one-half to W. W. Fortenberry, Odessa, Tex. Pipe wiper with improved central passage arrangement and seal section assembly. 2,559,782, July 10.

Mehltretter, Charles L., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Preparation of D-glucuronic acid. 2,559,652, July 10.

Meinke, Victor E., Norfolk, Va. Collapsible rack. 2,560,466, July 10.

Mendel, Leo E., and F. J. Port, Chicago, and C. L. Turner, Oak Park, assignors to Cribben and Sexton Company, Chicago, Ill. Range structure. 2,559,890, July 10.

Mertzweiller, Joseph K., and J. J. Owen, Baton Rouge, La., assignors to Standard Oil Development Company. Synthesis of oxygenated organic compounds. 2,560,360, July 10.

Metal Limb Manufacturers, Inc., assignee: *See*—
Hanger, James E. III.

Meyer, Edward J., Normandy, Mo., assignor to Curtiss-Wright Corporation. Aircraft armament assembly. 2,559,727, July 10.

Meyer, Leonard S., Newark, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of urea-formaldehyde hardened foam. 2,559,891, July 10.

Mihalyi, Joseph, C. W. Pribus, and H. A. Bing, assignors to Eastman Kodak Company, Rochester, N. Y. Film winding control for cameras. 2,559,892, July 10.

Miles Laboratories, Inc., assignee: *See*—
Fancher, Otis E.

Miller, Guy O., Oak Park, Ill. Leg locking latch for ironing tables. 2,560,300, July 10.

Miller, Harold, Bronx, and A. Kiedish, New York, N. Y. Shoe insole with moisture absorbing agent. 2,560,120, July 10.

Miller, Howard H., Havertown, Pa. Vacuum cleaner for motor vehicles. 2,559,983, July 10.

Miller, John L., and J. R. Boughter, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Making tire molds. 2,560,052, July 10.

Miller, Raymond H., Riverside, assignor to Federal Products Corporation, Providence, R. I. Sphygmomanometer. 2,560,237, July 10.

Mills Industries, Incorporated, assignee: *See*—
Gruenhut, Alfred.

Miner, W. H., Inc., assignee: *See*—
Olander, Roland J.
Withall, William E.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Oace, Ralph, Jr., Snell, and Eastwold.

Minor, Burt S.: *See*—
Regan, Louis M., and Minor.

Mitchell, Donald H., assignor to Motorola, Inc., Chicago, Ill. Radio receiver for multiple signals. 2,560,121, July 10.

Moats, Scott M., Columbus, Ohio. Window scaffold. 2,560,122, July 10.

Moats, Scott M., Columbus, Ohio. Window scaffold. 2,560,123, July 10.

Modern Telephone Corporation, assignee: *See*—
Marks, Leonard V., and Briscomb.

Mofenson, Jack, Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Interval measuring system. 2,560,124, July 10.

Molins Machine Company, Limited, assignee: *See*—
Harvey, Valentine P., and Powell.

Montgomery, Charles W.: *See*—
Riethof, George, Montgomery, and Brown.

Montgomery, Charles W., and W. I. Gilbert, Oakmont, and R. E. Kline, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Preparing polymeric lubricating oils. 2,559,984, July 10.

Moon, John M., Evanston, assignor to Signode Steel Strapping Company, Chicago, Ill. Load retaining strip. 2,559,783, July 10.

Mooney, Cloise L., Baton Rouge, La., assignor to Kaiser Aluminum & Chemical Corporation. Recovery of alumina from alumina-containing ores. 2,559,653, July 10.

Moore, Paul B., assignor to York Corporation, York, Pa. Mounting assembly for refrigerative air conditioners. 2,560,467, July 10.

Moore, Richard P., Roodekop, Germiston, Transvaal, Union of South Africa. Back washing filter. 2,559,784, July 10.

Morey Machinery Co. Inc., assignee: *See*—
Casella, Secondo L.

Morgan, Fred P., Delray Beach, Fla. Irrigation and drainage pump. 2,559,785, July 10.

Morrell, Charles E., Westfield, R. F. Robey, Cranford, and L. M. Welch, Madison, N. J., assignors to Standard Oil Development Company. Production of 3,3,5-trimethyl cyclohexanone. 2,560,361, July 10.

Morrell Charles E., Westfield, and R. F. Robey, Cranford, N. J., assignor to Standard Oil Development Company. Acid extraction of mixed olefin hydrocarbons. 2,560,362, July 10.

Morris, Lloyd C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Air-blowing clay tower polymer. 2,559,985, July 10.

Morrison, Nathan H., Lowell, Mass., assignor, by mesne assignments, to Film 'n File, Inc., New York, N. Y. Cover sheet stripping mechanism. 2,560,301, July 10.

Morrison, Willard L., Jr., Chicago, Ill., assignor to West Bend Aluminum Co., West Bend, Wis. Pressure cooker. 2,559,728, July 10.

Morton, Charles R., Summit, N. J. Fire extinguisher. 2,560,468, July 10.

Morvice, Edward M., Rockford, Ill. Resilient back support for reclining lounge chairs. 2,560,181, July 10.

Motorola, Inc.: See—
Mitchell, Donald H.

Motorola, Inc., assignee: *See*—
Winkler, Marion R.

Mueller, Herman H., assignor of one-quarter to G. L. Bowman, Ephrata, one-eighth to J. L. Bowman, Denver, and one-sixteenth to S. A. Radzay, Ephrata, Pa. Interlocking phonograph turntable cover. 2,559,786, July 10.

Mueller, Theodore G., assignor to J. E. Martin Equipment Corporation, Buffalo, N. Y. Timing apparatus. 2,560,516, July 10.

Musser, David M., Clemson, S. C., assignor to Pacific Mills, Boston, Mass. Bacteriostatic cellulosic textile reacted with derivatives of dihydroxy hexachloro diphenyl methane. 2,559,986, July 10.

Myers, Lawrence E.: *See*—
McNinch, James N., and Myers.

Nacey, Harry M.: *See*—
Jackson, Frank W., and Nacey.

Nadeau, Gale F., and F. W. Hoyt, assignors to Eastman Kodak Company, Rochester, N. Y. Coating cellulose ester films. 2,559,893, July 10.

Nanfeldt, William J., New Castle, Ind., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Friction element bonding film. 2,560,033, July 10.

National Lead Company, assignee: *See*—
Espenschied, Helmut.

National Pneumatic Co., Inc., assignee: *See*—
Conklin, Roscoe D.

National Telephone Supply Company, The, assignee: *See*—
Burns, Leroy H.

Navasky, Bernard, assignor to Charles Navasky & Co., Inc., Phillipsburg, Pa. Waistband construction. 2,560,363, July 10.

Navasky, Charles, & Co., Inc., assignee: *See*—
Navasky, Bernard.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Malone, James L., and McKinnell, Schmitt, Otto H.

Neer, Clifford H., assignor to The Burt Machine Company, Baltimore, Md. Case filling machine. 2,559,655, July 10.

Nelson, Frank E., and I. I. Peters, assignors to Iowa State College Research Foundation, Ames, Iowa. Preperation of blue-veined cheese. 2,560,182, July 10.

Nelson, George E. N.: *See*—
Lockwood, Lewis B., and Nelson.

Nelson, John: *See*—
Rehnberg, Axel F., and Nelson.

Nelson, John W., assignee: *See*—
Rakos, Joseph F.

Nelson, Karl J.: *See*—
Martin, Homer Z., and Nelson.

Nemeth, Steffen P., Chicago, Ill. Liquid fuel burner. 2,560,364, July 10.

Netteland, Loyal G., Minneapolis, Minn. Air-conditioned baby crib. 2,559,654, July 10.

Nevill, Gale E.: *See*—
Allen, Herbert, and Nevill.

Newell, Russell J., assignee: *See*—
Hieb, Herbert.

Niccolls, Leslie N., Eugene, Oreg. Groove cutting or inletting tool. 2,559,987, July 10.

Niederhauser, Jean P.: *See*—
Marschaik, Charles, and Niederhauser.

Nielsen, Alfred, Soro, assignor to Universal Oilgas Heating A/S, Copenhagen, Denmark. Regenerative gas combustion furnace for liquid fuels. 2,559,729, July 10.

Noe, Frank, Plainville, assignor to The Fafnir Bearing Company, New Britain, Conn. Journal box. 2,560,183, July 10.

Noll, Vincent R.: *See*—
Kahr, Martin, and Noll.

Nordell, Carl H., Palm Springs, Calif. Shower head. 2,559,894, July 10.

Norlander, Helge G., Stockholm, Sweden. Toolholder. 2,559,895, July 10.

Norman, Edward A., Jr., assignor to Norman Products Company, Columbus, Ohio. Gas-fired conversion burner. 2,560,184, July 10.

Norman Products Company, assignee: *See*—
Norman, Edward A., Jr.

Northern Electric Company, Limited, assignee: *See*—
Makepeace, Ronald A.

Northrop Aircraft, Inc., assignee: *See*—
Ashkenas, Irving L.
Klose, Alfred J.
Northrup, John K.

Northrup, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Stabilization of airplanes having highly swept-back wings. 2,559,827, July 10.

Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Method of and systems for stabilizing microwave oscillations. 2,559,730, July 10.

Norton, Lowell E., Princeton, N. J., assignor to Radio Corporation of America. Frequency-stabilization of oscillators. 2,560,365, July 10.

Nouzák, Vladimír, assignor of one-half to United Machine Tools Factories, National Corporation, Prague, Czechoslovakia. Arrangement for automatically disengaging a mechanism by stop action. 2,560,238, July 10.

Noyes, Atherton, Jr., Mountain Lakes, assignor to Aircraft Radio Corporation, Boonton, N. J. Terminal structure for coil forms. 2,559,988, July 10.

Nyl, John R., assignor to The Falk Corporation, Milwaukee, Wis. Anchor stud. 2,560,525, July 10.

Nyrop, Johan E., Copenhagen, Denmark. Spray drier. 2,559,989, July 10.

Nystuen, Marcus I.: *See*—
Borell, George L., and Nystuen.

O. & S. Bearing Company, assignee: *See*—
Schroeter, Bruno.

Oace, Ralph J., New Canada Township, Ramsey County, R. B. Snell, and E. E. Eastwold, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Insulating tape. 2,559,990, July 10.

Oberwegner, Alfred R., Los Angeles, Calif. Testing machine for washing machine wringers and the like. 2,560,185, July 10.

O'Farrell, Matthew, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Air-line oiler. 2,560,239, July 10.

Ogden, Floyd H., Arlington, assignor to Dennison Manufacturing Company, Framingham, Mass. Machine for attaching tickets. 2,559,828, July 10.

Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Oxygen process. 2,560,469, July 10.

Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Reduction and melting of ores with gaseous fuel. 2,560,470, July 10.

Oil Well Supply Company, assignee: *See*—
Maier, August R.
Redman, William J.

Okazaki, Miyoji, Mesa, Ariz. Window mount for concrete structures. 2,559,656, July 10.

Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car truck springs. 2,559,731, July 10.

Olpin, Henry C., K. R. House, and J. Wright, Spondon, near Derby, England, assignors to Celanese Corporation of America. Colored cellulose esters and ethers. 2,559,787, July 10.

Olving Bror G., assignor to McGraw Electric Company, Elgin, Ill. Automatic electric toaster. 2,560,387, July 10.

Olving, Bror G., assignor to McGraw Electric Company, Elgin, Ill. Automatic electric toaster. 2,560,388, July 10.

Olving Bror G., assignor to McGraw Electric Company, Elgin, Ill. Automatic electric toaster. 2,560,389, July 10.

On-A-Lite Corporation, assignee: *See*—
Brooks, Linzy W.

Oppenauer, Rupert, Buenos Aires, Argentina. Preparing sulfonamides. 2,560,240, July 10.

Overturf, William E., Washington, Pa., assignor to Joy Manufacturing Company. Gearing for material loading apparatus. 2,559,829, July 10.

Owen, Harold R., Playa del Rey, assignor to Electrical Products Corporation, Los Angeles, Calif. Deck sign. 2,559,991, July 10.

Owen, Herbert E., Tulsa, Okla., assignor to Standard Oil Development Company. Clamping device for force responsive elements. 2,560,366, July 10.

Owen, John J.: *See*—
Mertzweiller, Joseph K., and Owen.

Pacific Mills, assignee: *See*—
Musser, David M.

Padgett, Wright J., Wichita, Kans. Airplane anchor screw kit. 2,559,732, July 10.

Page, Robert M., Washington, D. C. Sweep generation. 2,559,657, July 10.

Painter, John L., Jr., West Newton, Pa. Extension ladder. 2,559,992, July 10.

Paludan, Dan H., Copenhagen, Denmark. Pipe bowl cleaner. 2,559,994, July 10.

Pangburn, Kenneth R., and E. T. Skomars, Duluth, Minn. Tape applicator. 2,560,241, July 10.

Panhandle Eastern Pipe Line Company, assignee: *See*—
Bergman, Stephen A.

Parkersburg Rig & Reel Company, The, assignee: *See*—
De La Mater, Robert G.

Parrigin, Homer P., and I. W. McAteer, Dallas, Tex. Handle with recess for pivoted blades. 2,559,993, July 10.

Pass & Seymour, Inc., assignee: *See*—
Despard, Victor R.

Patterson, Edward H., Jr., Menands, N. Y. Golf glove. 2,559,788, July 10.

Patterson, John L., J. E. Beach, and G. F. Feldbauer, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Purifying N-methyl-p-aminophenol. 2,559,896, July 10.

Paul, Joseph H., Providence, R. I. Hair curler. 2,559,995, July 10.

Paxton, Charles E.: *See*—
Zimmer, John C., Duncan, and Paxton.

Pearson, Erman A., Bothell, Wash., assignor to Research Corporation, New York, N. Y. Treatment of sugar process water. 2,560,125, July 10.

Pease, Lionel, assignor to F. H. Draper, Seattle, Wash. Reversible variable-speed and variable-torque transmission mechanism. 2,560,126, July 10.

Peck, Donald S., Allentown, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode structure for glow discharge tubes. 2,560,347, July 10.

Peckham, Joseph W., Cheshire, assignor to The Bristol Company, Waterbury, Conn. Dilatometer. 2,559,789, July 10.

Peeples, Maurice E., Kingsland, Ga. Combined square and compass. 2,560,127, July 10.

Pejsek, Antonin, assignee: *See*—
Stolle, Frantisek, and Herman.

Pelton, Earl L., and A. A. Holzschuh, assignors to The Dow Chemical Company, Midland, Mich. Alpha-alkyl,4-alkyl cyclohexylbutyric acids. 2,560,242, July 10.

Penninger, Luther S., Raleigh, N. C. Bait hook and complemental gaff hooks. 2,560,302, July 10.

Pennland Printing Company, assignee: *See*—
Christman, John J., and Klapproth.

Pentz, Albert D., Staten Island, N. Y. Centrifugal clutch. 2,560,515, July 10.

Periat, Marcel: *See*—
Burke, Roscoe E., Periat, and Schlichtmann.

Peshkin, Hyman P.: *See*—
Elterman, Adolph, and Peshkin.

Peter, Gustave C., Wauwatosa, Wis. Vaporizing type liquid fuel burner. 2,560,367, July 10.

Peters, Carl F., assignor to Velsicol Corporation, Chicago, Ill. Cyclopentadiene-vinyl acetate polymers. 2,559,790, July 10.

Peters, Isaac I.: *See*—
Nelson, Frank E., and Peters.

Peterson, Mary C., Nampa, Idaho. Shoulder rest double-arm sling. 2,560,243, July 10.

Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.

Pettman, Albert V., Epson, New Zealand. Rotary cutterhead. 2,559,996, July 10.

Petty, Olive S., assignee: *See*—
Hasbrook, Arthur F.

Peyrot, Pierre P., Lyon, and L. J. Dumoulin, La Terrasse-sur-Dorley, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Electrical insulating materials. 2,559,791, July 10.

Phelps, William H., Ralston, Nebr. Power mower. 2,559,897, July 10.

Philco Corporation, assignee: *See*—
Tellier, Joseph C.

Phillips, Joseph S., Fort Worth, Tex. Awning with adjustable louvers. 2,560,303, July 10.

Phillips Petroleum Company, assignee: *See*—
Crouch, Willie W.
Hanmer, Robert S.
Hepp, Harold J., and Kilpatrick.
Knight, Thomas H.
McCaslin, John W., and Hillyer.
Morris, Lloyd C.

Pierce, Erold F.: *See*—
Wiegand, Francis J., and Pierce.

Pietri, Francois, Aubagne, France. Rotary atomizing liquid fuel burner. 2,559,792, July 10.

Pilgrim, Daniel D., and J. J. Meagher, Bakersfield, Calif. Dual pack-off socket. 2,559,997, July 10.

Piqua Engineering, Inc., assignee: *See*—
Denman, Stephen A.

Pirie, Ronald A., Isle of Wight, assignor to Saunders-Roe Limited, Osborne, East Cowes, Isle of Wight, England. Indicating device. 2,560,304, July 10.

Pistoles, Lambert R., and A. G. Brinsfield, Wilmington, Del. Brake adjusting means. 2,559,830, July 10.

Pitman, Raymond F.: *See*—
Pitman, Raymond O. and R. F.

Pitman, Raymond O. and R. F., Kansas City, Mo. Load hoisting device. 2,559,733, July 10.

Pitts, Charles N., Paterson, and H. Shauger, Fair Lawn, N. J., assignors to Wright Aeronautical Corporation. Rocker arm thrust bearing. 2,560,244, July 10.

Pittsburgh Plate Glass Company, assignee: *See*—
Kennedy, Douglas H.
McDowell, Thomas.

Plachter, Abe: *See*—
Schwartz, Fay, and Plachter.

Platon, Jean G., Paris, France. Manufacture of cast iron. 2,560,471, July 10.

Plawczyk, Owsiej, London, England. Radio and intercommunication apparatus and system. 2,559,898, July 10.

Plopper, George J., Utica, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Label feeding and molding means for sewing machines. 2,560,186, July 10.

Polaroid Corporation, assignee: *See*—
Land, Edwin H.

Polk Development Company, assignee: *See*—
Polk, Ralph, Sr., and Ralph, Jr.

Polk, Ralph, Jr.: *See*—
Polk, Ralph, Sr., and Ralph, Jr.

Polk, Ralph, Sr., and Ralph, Jr., assignors to Polk Development Company, Tampa, Fla. Apparatus for sectionizing citrus fruit. 2,560,128, July 10.

Pollock, John A., Bainbridge, Ga., and J. L. Turner, East St. Louis, Ill., assignors to W. N. Matthews Corporation, St. Louis, Mo. Line switching device. 2,560,472, July 10.

Pollock, Mark W.: *See*—
Zerner, Ernst, and Pollock.

Port, Frederick J.: *See*—
Mendel, Leo E., Port, and Turner.

Post, Durrel E., Gates Mills, Ohio. Combination card and dice game. 2,560,187, July 10.

Potdevin, Adolph, Garden City, and R. P. Bechle, Yonkers, assignors to Potdevin Machine Company, Brooklyn, N. Y. Mechanism for successively producing bag lengths from continuously advancing tubular webs. 2,560,473, July 10.

Potdevin Machine Company, assignee: *See*—
Potdevin, Adolph, and Bechle.

Pottle, Ralph K., assignor to American Can Company, New York, N. Y. Container. 2,559,658, July 10.

Potts, Louis M., deceased, Evanston, Ill., by M. W. C. Potts, executrix, Evanston, assignor to Teletype Corporation, Chicago, Ill. Keyboard operated magnetic recorder. 2,560,474, July 10.

Potts, Martha W. C., executrix: *See*—
Potts, Louis M.

Powell, Gordon F. W.: *See*—
Harvey, Valentine P., and Powell.

Power Jets (Research & Development) Limited, assignee: *See*—
Whittle, Frank.

Pregel, Alexander, assignor to Canadian Radium and Uranium Corporation, New York, N. Y. Beta irradiation method and means. 2,559,793, July 10.

Prentice, G. E., Mfg. Co., The, assignee: *See*—
Legat, Robert C.

Pribus, Clarence W.: *See*—
Mihalyi, Joseph, Pribus, and Bing.

Prichard, John H., Springfield, N. J., assignor to Celanese Corporation of America. Casting solution of cellulose propionate. 2,559,794, July 10.

Progressive Welder Company, assignee: *See*—
Giesey, Boyd V.

Pullar, Harold B., assignor to The Kinetic Mixer Company, Inc., Chicago, Ill. Apparatus for treating solids and/or liquids. 2,559,899, July 10.

Pulp Reproduction Company, assignee: *See*—
Risch, Arthur H.

Radio Corporation of America, assignee: *See*—
Bedford, Alda V.
Brown, Barremore B.
Byrd, John F., and Wildow.
Donal, John S., Jr., Cuccia, and Brown.
Dunlap, Orrin E., Jr.
Friend, Albert W.
Goldsmith, Alfred N.
Hershberger, William D.
Hutt, Milton H.
Kelly, Ray D., and Sziklai.
Kettler, Alfred H.
Landon, Vernon D.
Masterson, Earl E.
Norton, Lowell E.
Shickel, James B.
Schoemehl, Henry F.
Sharp, Thomas C.
Shrader, Ross E.
Witchey, Albert L.

Radzay, Stanley A., assignee: *See*—
Mueller, Herman H.

Rakos, Joseph F., assignor of one-half to J. W. Nelson, Cleveland, Ohio. Head shield for welders. 2,559,795, July 10.

Ramain, Michel H. M. L., Saint Ingbert, Territory of the Sarre, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain Chauny & Cirey, Paris, France. Process and apparatus for automatic severing of sheets from a band of glass. 2,560,305, July 10.

Ramsaur, Walter R., and R. W. Jensen, assignors to The Garrett Corporation, Los Angeles, Calif. Two-port cooler. 2,560,245, July 10.

Ramser, John H., Chester, assignor to The Atlantic Refining Company, Philadelphia, Pa. Metering method and means. 2,559,900, July 10.

Randolph Laboratories, Inc., assignee: *See*—
Boal, Stewart.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Accessory system operable by either of two suction sources. 2,560,306, July 10.

Rath, Walter, Dorset, Vt. Automatic timing device. 2,559,796, July 10.

Raybestos-Manhattan, Inc., assignee: *See*—
Batchelor, Clyde S., and Carey.
Batchelor, Clyde S., and Stanley.

Raytheon Manufacturing Company, assignee: *See*—
Batchelder, Laurence.
Mofenson, Jack.
Turner, Edwin E., Jr.

Ream, Vincent A., Greenville, Ohio. Warm air radiant heated brooder system. 2,560,246, July 10.

Recordgraph Corporation, assignee: *See*—
Steed, Edgar L.

Reed, James B.: *See*—
Sokoloff, Boris T., and Redd.

Redman, William J., Pittsburgh, Pa., assignor to Oil Well Supply Company. Pump valve. 2,559,659, July 10.

Reed, Walter G.: *See*—
Riddle, Jeter H., and Reed.

Reeves, Alec H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Multichannel electrical pulse communication system. 2,559,661, July 10.

Rega, Fred L., New York, N. Y., and W. E. Hartmann, Millburn, N. J., assignors to Thos. Emery's Sons, Incorporated, Cincinnati, Ohio. Bed structure. 2,559,998, July 10.

Regan Forge and Engineering Company, assignee: *See*—
Regan, Louis M., and Minor.

Regan, Louis M., Wilmington, and B. S. Minor, Whittier, assignors to Regan Forge and Engineering Company, San Pedro, Calif. Pivoted snap hook. 2,559,999, July 10.

Regout, Georges M.: *See*—
Dunski, Chaim V., and Regout.

Rehberg, Chessie E., Glenside, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Cyanoethylation of alkyl lactates. 2,559,660, July 10.

Rehnberg, Axel F., and J. Nelson, assignors to Rehnberg-Jacobson Mfg. Co., Inc., Rockford, Ill. Indexing mechanism. 2,560,475, July 10.

Rehnberg-Jacobson Mfg. Co., assignee: *See*—
Rehnberg, Axel F., and Nelson.

Reid, Edward S., Hartsville, S. C., assignor to Sonoco Products Company. Spinning device. 2,559,734, July 10.

Reid, Robert J.: *See*—
Eberly, Kenneth C., and Reid.

Renstrom, Carl W., assignor to Tip-Top Products Company, Omaha, Nebr. Hairpin clip. 2,559,797, July 10.

Research Corporation, assignee: *See*—
Kirkpatrick, Paul H.
Pearson, Erman A.

Reynolds, Ben C., and C. A. Reynolds, Kane, Pa. Hobby-horse having changeable gait. 2,559,798, July 10.

Reynolds, Clayton A.: *See*—
Reynolds, Ben C. and C. A.

Rheingold, Michael, and S. Van Mierlo, Zurich, Switzerland, assignors to International Standard Electric Corporation, New York, N. Y. Multiple reaction circuit amplifier. 2,559,662, July 10.

Rheo-France Compagnie Internationale des Rheolaveurs A. France, Societe Anonyme, assignee: *See*—
France, Antoine.

Rhotehamel, Ralph L., Dayton, Ohio. Fishing float. 2,560,129, July 10.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Sparks recorder apparatus. 2,560,247, July 10.

Richards, Leonard J., Wirral, and K. R. Williams, London, England, assignors to Shell Development Company, San Francisco, Calif. Inhibition of ice formation in fuels. 2,560,368, July 10.

Richardson, Avery G., Boonton, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Direction finding system. 2,559,663, July 10.

Rickus, George M., assignor to Hat Corporation of America, Norwalk, Conn. Producing fur felt strips. 2,560,514, July 10.

Riddle, Jeter H., Black Mountain, and W. G. Reed, Swannanoa, N. C., assignors to Beacon Manufacturing Company. Attachment for spinning frames. 2,560,476, July 10.

Riemann, Howard C., assignor to The Fulton Company, West Allis, Wis. Variable width rigid awning. 2,560,248, July 10.

Ries, Kernell G., Niagara Falls, N. P. Robie, Lewiston, and P. von Doenhoff, assignors to The Carborundum Company, Niagara Falls, N. Y. Resin bonded abrasive article and manufacturing the same. 2,559,664, July 10.

Ries, Kernell G., and G. J. Goepfert, assignors to The Carborundum Company, Niagara Falls, N. Y. Making resin bonded abrasive articles. 2,559,665, July 10.

Riethof, George, Pittsburgh, C. W. Montgomery, Oakmont, and G. P. Brown, Jr., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Production of lubricating oils. 2,560,479, July 10.

Rimes, Roy, assignee: *See*—
Howard, Ira F.

Ringrose, Lorraine A.: *See*—
Schroeder, Herman E., and Ringrose.

Rinia, Herre, and L. M. L. J. Leblans, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Optical system and alignment means therefor. 2,559,799, July 10.

Risch, Arthur H., Wauwatosa, assignor to Pulp Reproduction Company, Milwaukee, Wis. Molded pulp corner protector. 2,560,249, July 10.

Roberts, Fred T., Ridgefield, Conn. Apparatus for applying covers to balls. 2,560,370, July 10.

Roberts, Ingham S., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Strand twisting machine. 2,559,735, July 10.

Roberts, Robert E., Ridgefield, Conn. Making flexible tubes. 2,560,369, July 10.

Robey, Richard F.: *See*—
Morrell, Charles E., and Robey.
Morrell, Charles E., Robey, and Welch.

Robie, Norman P.: *See*—
Ries, Kernell G., Robie, and von Doenhoff.

Roethel Engineering Corporation, assignee: *See*—
Roethel, John H.

Roethel, John H., assignor to Roethel Engineering Corporation, Detroit, Mich. Door lock control. 2,560,477, July 10.

Roethel, Bruno E., Cranford, N. J., assignor to Standard Oil Development Company. Mild oxidation of carbonaceous solids. 2,560,478, July 10.

Roffy, Joseph T., Los Angeles, Calif. Fan construction. 2,559,831, July 10.

Rogers, John B., assignee: *See*—
Rogers, William B., and Coffin.

Rogers, William B., and E. D. Coffin, Baltimore, assignors to J. B. Rogers, Pasadena, Md. Hopper shaker plate and comb assembly. 2,560,480, July 10.

Rohm & Hass Company, assignee: *See*—
Croxall, Willard J.
De Benneville, Peter L.
Levesque, Charles L.

Rosenthal, Daniel, Brooklyn, N. Y. Ceramic compositions. 2,560,188, July 10.

Rotary Seal Company, assignee: *See*—
Jensen, Hans.

Roučka, Erich, and F. Streit, Brunn, Czechoslovakia. Spring hammer. 2,560,250, July 10.

Rouse, Calvin, Jamaica, N. Y. Animated bird toy. 2,560,481, July 10.

Royston, Worley G., Logan, W. Va. Coil forming press. 2,560,189, July 10.

Rudel, Harry W., Roselle Park, N. J., assignor to Standard Oil Development Company. Sulfur-halogen compound. 2,560,371, July 10.

Ruebensaal, Clayton F., Baltimore, and E. H. Sorg, Hydes, Md., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Dipped vinyl resin article, composition, and method. 2,560,482, July 10.

Russo, Matthew J., Falls Church, Va. Device for teaching arithmetic. 2,560,130, July 10.

Ryan, James J., Jr., St. Paul, Minn. Tensiometer. 2,559,800, July 10.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Electric windshield wiper with dynamic brake parking. 2,560,000, July 10.

Saiklai, George C.: *See*—
Kell, Ray D., and Sziklai.

Samson United Corporation, assignee: *See*—
Thomas, William.

Sanchis, Jose, Newark, N. J. Air conditioning device. 2,560,372, July 10.

Sarchet, Thomas H., Spokane, Wash. Baking apparatus. 2,559,801, July 10.

Sargent, Donald E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polymerization of N-vinyl compounds. 2,560,251, July 10.

Sasgen, Anthony M., Chicago, and F. P. Hopfeld, Elmwood Park, assignors to Grand Specialties Company, Chicago, Ill. Hand truck with elevator platform. 2,560,131, July 10.

Saunders, C. T., assignee: *See*—
Davis, William L.

Saunders-Roe Limited, assignee: *See*—
Pirie, Ronald A.

Scarborough, William M., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Latch. 2,559,736, July 10.

Schaefer Equipment Company, assignee: *See*—
Schaefer, Frederic.

Schaefer, Frederic, assignor to Schaefer Equipment Company, Pittsburgh, Pa. Self-locking cotter key. 2,559,737, July 10.

Schaerer, August A.: *See*—
Larsen, Robert G., and Schaerer.

Schaffer, William C.: *See*—
Berggren, Lloyd E., and Schaffer.

Schaumann, Holger H.: *See*—
Krchma, Ignace J., and Schaumann.

Schefe, Frederick K., Gary, Ind., assignor to United States Steel Company. Sheet piler. 2,560,252, July 10.

Scheid, Louis J., assignor to Watervliet Paper Company, Watervliet, Mich. Coating for paper and production. 2,559,901, July 10.

Schindler, Carl: *See*—
Van Ryan, Anthony, and Schindler.

Schlichtmann, Walter: *See*—
Burke, Roscoe E., Periat, and Schlichtmann.

Schmidt, Ernst, Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Reenforcing rubberlike materials. 2,560,043, July 10.

Schmidt, Francis M., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Dividing and amplifier circuit for electronic organs. 2,559,802, July 10.

Schmidt-Nickels, Wilhelm: *See*—
Bestehorn, Heinrich H., and Schmidt-Nickels.

Schmitt, Otto H., Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Unbalanced magnetometer. 2,560,132, July 10.

Schmollinger, Richard: *See*—
Schoenster, Peter, and Schmollinger.

Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Insulator for coils. 2,559,803, July 10.

Schoemehl, Henry F., Seelyville, Ind., assignor to Radio Corporation of America. Erasing system for magnetic recorders. 2,560,483, July 10.

Schoenster, Peter, Teaneck, and R. Schmollinger, Ridgefield, assignors to Alfred Hofmann & Co., West New York, N. J. Holding yarn ends. 2,560,484, July 10.

Scholfield, Richard P., White Plains, and L. R. Houghtaling, Yonkers, N. Y., said Houghtaling assignor to said Scholfield. Filing chair. 2,560,001, July 10.

Schooley, Allen H., Washington, D. C. Double aperture generator. 2,559,666, July 10.

Schreiber, Eduard, assignor to E. Leitz, G. m. b. H., Wetzlar, Germany. Apparatus for clamping a copy board on the base plate of a photographic enlarging apparatus. 2,560,190, July 10.

Schrink, John J.: *See*—
Button, Leslie M., Trowbridge, and Schrink.

Schroeder, Herman E., Wilmington, Del., and J. Deinet, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye intermediates of the anthraquinone series. 2,559,667, July 10.

Schroeder, Herman E., Wilmington, Del., and J. Deinet, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo anthraquinone vat dyes and intermediates. 2,559,668, July 10.

Schroeder, Herman E., Wilmington, Del., and J. Deinet, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyes of the azo anthraquinone oxazole series. 2,559,669, July 10.

Schroeder, Herman E., and L. A. Ringrose, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo compounds of the thiophanthraquinone series. 2,559,670, July 10.

Schroeder, Herman E., and L. A. Ringrose, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo Compounds of the thiophanthraquinone series. 2,559,671, July 10.

Schroeder, Herman E., and L. A. Ringrose, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo compounds of the thiophanthraquinone series. 2,559,672, July 10.

Schroeder, Herman E., and L. A. Ringrose, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes of the thiophanthraquinone series. 2,559,673, July 10.

Schroeder, Herman E., and L. A. Ringrose, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyes of the thiophanthraquinone series. 2,559,674, July 10.

Schroeder, Herman E., Wilmington, Del., and J. Deinet, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyes of the azo anthraquinone series. 2,559,675, July 10.

Schroeder, Herman E., and L. A. Ringrose, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone vat dyestuffs. 2,559,676, July 10.

Schroeder, Herman E., Kennett Square, Pa., and L. A. Ringrose, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Amino-halogen-thiophanthraquinones. 2,559,677, July 10.

Schroeter, George A., Briar Cliff Manor, N. Y. Therapeutic bath fluid circulating apparatus. 2,559,678, July 10.

Schroeter, Bruno, assignor to O. & S. Bearing Company, Detroit, Mich. Bearing. 2,560,133, July 10.

Schroeter, Bruno, assignor to O. & S. Bearing Company, Detroit, Mich. Self-lubricating bearing. 2,560,134, July 10.

Schwartz, Fay, and A. Plachter, New York, N. Y. Combined animal-like figure and lamp. 2,560,191, July 10.

Schwartz, John C., assignee: *See*—
Beebe, John D.

Schwartz, William S., assignee: *See*—
Kennon, Lorenzo.

Schweitzer, Edmund O., Jr., Northbrook, Ill. Synchronous electric motor construction. 2,559,738, July 10.

Scott, Hermon H., Lincoln, Mass. Bias blocking means to cutoff amplifier during record changing operation. 2,559,902, July 10.

Sealey, William C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Voltage regulating control and apparatus. 2,560,002, July 10.

Sealey, William C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Magnetic core comprising leg, yoke, and corner laminations. 2,560,003, July 10.

Secker, Ben, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Frequency measuring apparatus. 2,559,680, July 10.

See, Theodore S., Hammond, Ind., assignor to La Salle Steel Company, Chicago, Ill. Die assembly. 2,559,679, July 10.

Seidner, David, New York, N. Y. Swimming trunks. 2,560,192, July 10.

Senseman, Ronald S., Takoma Park, Md. Locking latch handle. 2,559,681, July 10.

Services Industriels de Geneve, assignee: *See*—
Buffle, Jean P.

Shannon, Howell F., Richmond, Va. Safety razor. 2,560,004, July 10.

Sharp, Robert E., Kansas City, Mo. Piston for internal-combustion engines. 2,560,253, July 10.

Sharp, Thomas C., North Hollywood, Calif., assignor to Radio Corporation of America. Synchronized motor drive. 2,560,485, July 10.

Shauger, Harold: *See*—
Pitts, Charles N., and Shauger.

Shawbrook, Henry, New York, N. Y., and A. E. Bingham, assignors to Dowty Equipment Limited, Cheltenham, England. Resilient telescopic device. 2,560,005, July 10.

Shearer, Ross, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Testing apparatus for indicating and recording elongation. 2,560,135, July 10.

Shears, Stuart T., Arlington, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Spring fastening device. 2,560,486, July 10.

Shell Development Company, assignee: *See*—
Arabian, Karekin G.
Larsen, Robert G., and Schaerer
Liedholm, George E.
Richards, Leonard J., and Williams.

Sherman, Sidney H., Chicago, Ill. Instrument holder. 2,559,739, July 10.

Shickel, James B., Baldwinsville, N. Y., assignor to Radio Corporation of America. Device for separating the magnetic transducer and record member during rewind. 2,560,254, July 10.

Shirley, Henry W., Childress, Tex. Bottle vending machine. 2,560,255, July 10.

Shmidl, Albert J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Recovery and purification of durene. 2,560,373, July 10.

Shmidl, Albert J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of sour petroleum distillates. 2,560,374, July 10.

Shoemaker, Bernard H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Dehazing hydrocarbon oils. 2,560,193, July 10.

Shrader, Ross E., Princeton, N. J., assignor to Radio Corporation of America. Recording voltmeter. 2,560,256, July 10.

Shugart, Robert B., and J. G. Boettcher, Orlando, Fla. Fruit coating apparatus. 2,560,487, July 10.

Sias, Frederick R., Marblehead, Mass., assignor to General Electric Company. Instrument damping system. 2,560,257, July 10.

Sidenmark, Nils O. H., Danderyd, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Surge arrester for air lines. 2,560,136, July 10.

Sight Light Corporation, The, assignee: *See*—
Doane, Leroy C.

Signode Steel Strapping Company, assignee: *See*—
Moon, John M.

Simkus, John A., Chicago, Ill. Pneumatic type opposed contact gauge. 2,560,194, July 10.

Sinclair, Harold, London, England. Power-transmission mechanism. 2,559,740, July 10.

Singer Manufacturing Company, The, assignee: *See*—
Enos, John P.
Plopper, George J.

Sipkin, George, Washington, D. C. Raft holding and release apparatus. 2,559,682, July 10.

Sjolander, John L., assignor to Cleveland Wire Spring Company, Cleveland, Ohio. Spring dampener. 2,559,903, July 10.

Skinner, Robert E., Lakewood, and G. H. McIntyre, Cleveland Heights, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Electric enamel furnace. 2,559,683, July 10.

Skolnik, Sol, Inyokern, Calif., and G. L. Bridger, Ames, Iowa, assignors to Tennessee Valley Authority. Stabilizing red phosphorus. 2,559,684, July 10.

Skomars, Emanuel T.: *See*—
Pangburn, Kenneth R., and Skomars.

Slater, Alexander, West Saint Kilda, Victoria, Australia. Ship hoist. 2,559,832, July 10.

Slemmons, Charles O., South Bend, Ind., assignor to The B. F. Goodrich Company, New York, N. Y. Band and pulley structure. 2,560,307, July 10.

Slezak, Vincent F., Berwyn, Ill. Dispensing device for adhesive tape rolls. 2,560,394, July 10.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype photoprinting material. 2,560,137, July 10.

Smith, A. L., Iron Company, assignee: *See*—
Kruger, Michael H.

Smith, Arthur K., Gloucester, Mass. Combination soda fountain and ice-cream cabinet. 2,560,488, July 10.

Smith, Cornelius W., Grosse Pointe Farms, and H. Golden, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Composition for marking rubber and using composition. 2,560,195, July 10.

Smith, F. H., Manufacturing Co., assignee: *See*—
Curtis, Clarence R.

Smith, Fay C.: *See*—
York, Emerson W., and Smith.

Smith, George E. P., Jr.: *See*—
Albert, Harry E., and Smith.

Smith, George E. P., Jr.: *See*—
Eberly, Kenneth C., Smith, and Albert.

Smith, George E. P., Jr., and E. L. Carr, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Making N-aryl thiazylsulfenamides. 2,560,020, July 10.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. N-isobutenyl-2-benzothiazole sulfenamide. 2,560,021, July 10.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. N,N'-piperazino bis-sulenamides. 2,560,032, July 10.

Smith, George E. P., Jr., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber vulcanization. 2,560,045, July 10.

Smith, George T., assignor to George T. Smith, Inc., Lansing, Mich. Work distributing platform. 2,560,490, July 10.

Smith, George T., Inc., assignee: *See*—
Smith, George T.

Smith, Herschel G., Wallingford, and T. L. Cantrell, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Stabilized leaded gasolines. 2,560,489, July 10.

Smith, Prevost F., San Diego, Calif. Parachute. 2,559,804, July 10.

Smith, Reginald H., St. Albans, N. Y. Rotatable window structure. 2,560,196, July 10.

Smith, Robert P., and F. E. James, assignors to The Hoosier Crown Corporation, Crawfordsville, Ind. Cork rod forming machine and method. 2,560,491, July 10.

Snell, Robert B.: *See*—
Oace, Ralph J., Snell, and Eastwold.

Snyder, Francis P., Davenport, and R. S. Hendry, Bettendorf, Iowa. Mold chaplet. 2,560,258, July 10.

Snyder, Myron J., Flint, Mich. Automatic humidity regulating means for rooms. 2,560,006, July 10.

Societe Anonyme des Manufacturers des Glaces et Produits Chimiques de Saint-Gobain Chauny & Cirey, assignee: *See*—
Ramain, Michel H. M. L.

Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, assignee: *See*—
Marschalk, Charles, and Niederhauser.

Société Anonyme Minimax, assignee: *See*—
Vanmalcot, Gustaaf A.

Societe des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Peyrot, Pierre P., and Dumoulin.

Sokoloff, Boris T., and J. B. Redd, Lakeland, Fla. Treating citrus fruit pulp liquor. 2,559,685, July 10.

Somerville, Thomas, III, assignee, trustee: *See*—
Clark, John R.

Sonoco Products Company, assignee: *See*—
Reid, Edward S.

Sorg, Earl H.: *See*—
Ruebensaal, Clayton F., and Sorg.

Southern Welding & Machinery Company, assignee: *See*—
Alexander, Everett C.

Sparks, William J., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Copolymers of substituted styrenes and polyolefins. 2,560,492, July 10.

Sperry Corporation, The, assignee: *See*—
Holmes, Gifford I.

Spillane, Paul X., Ashfield, Sydney, assignor to K. Williams, Sydney, New South Wales, Australia. Operating internal-combustion engines and means for the performance of that method. 2,560,197, July 10.

Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Sealing door. 2,560,308, July 10.

Spring, Frank S., Grosse Pointe, assignor to Hudson Motor Car Company, Detroit, Mich. Rear window for convertible bodies. 2,560,493, July 10.

Standard Gage Company, Inc., assignee: *See*—
Aldeborgh, Erik H.

Standard Oil Company, assignee: *See*—
Arveson, Maurice H.
Johnson, Carl E., and Adams.
Krause, Jack H. and Tom.
Shoemaker, Bernard H.

Standard Oil Development Company, assignee: *See*—
Baker, Harold T.
Barry, Adelbert.
Bielstein, Walter J.
Brandon, Richard C.
Buchan, Rudolph C.
Eby, Lawrence T.
Garber, John D.
Gessler, Albert M.
Green, Arthur D., and Marshall.
Hemminger, Charles E.
Jones, William C., Jr.
Lieber, Eugene, and Cashman.
Martin, Homzer Z., and Nelson.
McNatt, Eugene M.
Mertzweiller, Joseph K., and Owen.
Morrell, Charles E., and Robey.
Morrell, Charles E., Robey, and Welch.
Ogorzaly, Henry J.
Owen, Herbert E.
Roethell, Bruno E.
Rudel, Harry W.
Shmidl, Albert J.
Sparks, William J., and Young.
Wrightsman, Gilbert G.
Zimmer, John C., Duncan, and Paxton.

Stanley, Frederick C.: *See*—
Batchelor, Clyde S., and Stanley.

Stebbins, Harry Y., Los Angeles, Calif., assignor to General American Transportation Corporation, Chicago, Ill. Refrigerator system for produce stands. 2,560,309, July 10.

Steed, Edgar L., Poughkeepsie, N. Y., assignor, by mesne assignments, to Recordgraph Corporation. Indexing control means. 2,560,395, July 10.

Steel Heddle Manufacturing Company, assignee: *See*—
Kaufmann, John J.

Steele, Arthur, Barlaston, England. Apparatus for securing a handle to a cup or other hollow ware articles made of earthenware or china. 2,560,007, July 10.

Stegeman, Henry J., Fairfield, assignor to The Locke Steel Chain Company, Bridgeport, Conn. Take-up device. 2,560,310, July 10.

Steingruber, George, Atlanta, Ga. Anchor for tapes, bands, cables, and the like. 2,560,396, July 10.

Stellin, Domnic V., Chicago, Ill. Lock washer. 2,559,833, July 10.

Sterling Electronic Door Control Corporation, assignee: *See*—
McNinch, James N., and Myers.

Stevens, Adolph K., Buffalo, N. Y. Antiskid device. 2,560,198, July 10.

Steward, Don C., Phoenix, Ariz. Grease mop for griddles. 2,560,008, July 10.

Stewart, Patterson O., Bronxville, N. Y. Testing automotive distributors. 2,560,259, July 10.

Stewart-Warner Corporation, assignee: *See*—
Tramontini, Vernon N.

Stieritz, William G., Allentown, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glow discharge device. 2,560,348, July 10.

Stolle, Frantisek and H., Varnsdorf, assignors of one-third to A. Pejsek, Prague, Czechoslovakia. Mechanism for the manufacture of elastic shape-knitted articles. 2,560,311, July 10.

Stolle, Herman: *See*—
Stolle, Frantisek and H.

Stone, J., & Company Limited, assignee: *See*—
Hatcher, Ernest C.

Stookey, Stanley D., assignor to Corning Glass Works, Corning, N. Y. Opal glass composition. 2,559,805, July 10.

Straith, Claire L., Detroit, Mich., assignor to V. S. Jeffries, R. E. Straith, D. S. Diefenbach, and W. M. Straith. Automobile crash pad. 2,560,009, July 10.

Straith, Richard E., assignee: *See*—
Straith, Claire L.

Straith, William M., assignee: *See*—
Straith, Claire L.

Street, John N., and R. F. Dunbrook, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Continuous polymerization of butadiene and styrene. 2,560,027, July 10.

Streit, Frantisěk: *See*—
Roučka, Erich, and Streit.

Strobosch, Jan, assignor to Talens & Zoon N. V., Apeldoorn, Netherlands. Machine for testing the quality of carbon paper, inking ribbons, and the like. 2,560,010, July 10.

Sturtevant, George R., Swampscott, and F. H. Busch, Saugus, Mass., assignors to General Electric Company. Temperature compensated magnetic suspension. 2,560,260, July 10.

Suen, Tzeng-Jiueq, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Resinous compositions and making same. 2,559,578, July 10.

Suhre, Henry E., Pueblo, Colo.; O. S. Des Champs, conservatrix. Extensible hack saw frame. 2,559,686, July 10.

Sun Chemical Corporation, assignee: *See*—
Zerner, Ernst, Gradsten, and West.
Zerner, Ernst, and Pollock.

Sundberg, Sven T. F.: *See*—
Ahlberg, Lars F. B., and Sundberg.

Swain, Kenneth W., Hampton, N. H., assignor to The Chase-Shawmut Company, Newburyport, Mass. Renewable fuse. 2,560,138, July 10.

Swanson, Nils H., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for crimping condenser cans having leads. 2,559,904, July 10.

Sweets Laboratories, Inc., assignee: *See*—
Lindhe, Eric G.

Swift & Company, assignee: *See*—
Williams, Beverly E.

Talens & Zoon N. V., assignee: *See*—
Strobosch, Jan.

Tarvin, Joe L., North Little Rock, Ark. Clothes hanger and bed tag for hospital beds. 2,560,494, July 10.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of polyolefinic 2-alkenyl olefinic alcohol esters with crotonaldehyde. 2,560,495, July 10.

Taxin, Theodore, Washington, D. C. Window frame and sash assembly. 2,560,139, July 10.

Taylor Stoker Company Limited, assignee: *See*—
Bird, Geoffrey W.

Telefonaktiebolaget L M Ericsson, assignee: *See*—
Ahlberg, Lars F. B., and Sundberg.
Hullegård, Erik W.
Sidenmark, Nils O. H.

Teletype Corporation, assignee: *See*—
Potts, Louis M.

Tellier, Joseph C., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Tuning aid for radio receivers. 2,560,312, July 10.

Tellier, Joseph C., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Manual tuning system for radio receivers. 2,560,313, July 10.

Tennessee Coal, Iron and Railroad Company, assignee: *See*—
Watson, Charles T.

Tennessee Valley Authority, assignee: *See*—
Skolnik, Sol, and Bridger.

Thayer, Horace B., Farmington, N. Mex. Dry wash ore separator. 2,560,140, July 10.

Thomas, Gerald B., Jr., U. S. Navy, Berkeley, Calif. Apparatus for gun perforating well casing and surrounding unconsolidated formations. 2,559,687, July 10.

Thomas, John: *See*—
Webster, Robert M., Jr., and Thomas.

Thomas, William, assignor to Samson United Corporation, Rochester, N. Y. Automatic toaster mechanism. 2,560,261, July 10.

Thompson, John, Cleveland, Ohio. Threaded juncture and making it. 2,559,806, July 10.

Thompson, Parke H., Kirkwood, Mo., assignor, by mesne assignments, to Bastian-Blessing Company, Chicago, Ill. Gas dissolving apparatus. 2,560,526, July 10.

Thorington, Charles B.: *See*—
Kirby, Herbert H., and Thorington.

Tims, Tony C., Hyattsville, Md. Combination transparent awning and shade. 2,560,397, July 10.

Tims, Tony C., Hyattsville, Md. Paintbrush wiper. 2,560,398, July 10.

Tipps, James F., Memphis, Tenn. Cooling and drying grain and seed. 2,560,141, July 10.

Tip-Top Products Company, assignee: *See*—
Renstrom, Carl W.

Tom, Theodore B.: *See*—
Krause, Jack H., and Tom.

Tomarin, Harry A., Cincinnati, assignor to Loroco Industries Incorporated, Reading, Ohio. Shield for shoe racks. 2,560,314, July 10.

Topham, Arthur, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Dyestuff preparations. 2,559,807, July 10.

Topham, Arthur, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Dyestuff preparations for printing. 2,559,808, July 10.

Topham, Arthur, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Dyestuff preparations for printing. 2,559,809, July 10.

Touvet, Guy A. D., Orleans, France. Absorption spectrometry with use of radio-frequency modulated light source. 2,559,688, July 10.

Trainer, James E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Process and apparatus for continuously stretching plastic sheets. 2,560,038, July 10.

Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heating system control. 2,559,810, July 10.

Traylor Engineering & Manufacturing Company, assignee: *See*—
Walker, Robert S.

Trichel, Dick C.: *See*—
Trichel, Edith E. and D. C.

Trichel, Edith E. and D. C., Pineville, La. Specimen receptacle holder. 2,560,199, July 10.

Trico Products Corporation, assignee: *See*—
Rappl, Anton.

Triolo, Louis, Brooklyn, N. Y. Machine for assembling box blanks. 2,560,315, July 10.

Trowbridge, Perrin G.: *See*—
Button, Leslie M., Trowbridge, and Schrink.

Trudel, Marcel, Montreal, Quebec, Canada. Raw fish treating process. 2,560,011, July 10.

Truesdell, John G., Colorado Springs, Colo. Sheathed knife. 2,559,689, July 10.

Tube Craft, Inc., assignee: *See*—
Held, John W.

Tucker, Warren R., assignor, by mesne assignments, to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Filter. 2,560,142, July 10.

Turner, Charles L.: *See*—
Mendel, Leo E., Port, and Turner.

Turner, Edwin E., Jr., West Roxbury, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company. Electric impulse handling system. 2,559,905, July 10.

Turner, John L.: *See*—
Pollock, John A., and Turner.

Tursky, Charles M., Englewood, N. J. Cosmetic pencil holder. 2,559,906, July 10.

Union Carbide and Carbon Corporation, assignee: *See*—
Lobosco, Roscoe R.

United-Carr Fastener Corporation, assignee: *See*—
Amesbury, Robert R.
Bedford, William A., Jr.
Shears, Stuart T.

United Machine Tools Factories, National Corporation, assignee: *See*—
Nouzák, Vladimír.

United Shoe Machinery Corporation, assignee: *See*—
Duplessis, René E.
Foust, Orville N.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Glenn, William E., Jr.

United States Gypsum Company, assignee: *See*—
Camp, Thomas P.

United States Rubber Company, assignee: *See*—
McGavack, John, and Linscott.
Ruebensaal, Clayton F., and Sorg.
Smith, Cornelius W., and Golden.
Tawney, Pliny O.

United States Steel Company, assignee: *See*—
Ginder, John C. S., and Walsh.
Locke, Harry H.
Schefe, Frederick K.

Universal Oilgas Heating A/S, assignee: *See*—
Nielsen, Alfred.

Universal Oil Products Company, assignee: *See*—
Covert, Benjamin L.
Hoekstra, James.

Unruh, Cornelius C.: *See*—
Kenyon, William O., Laakso, and Unruh.

Valite Corporation, assignee: *See*—
McElhinney, Thomas R.

Valvano, Ralph A., Los Angeles, Calif. Universal stud puller and driver. 2,560,012, July 10.

Van Lare, Earl J., and L. G. S. Brooker, assignors to Eastman Kodak Company, Rochester, N. Y. Producing hydroxy cyclammonium quaternary salts. 2,559,907, July 10.

Vanmalcot, Gustaaf A., Schaerbeek-Brussels, assignor to Société Anonyme Minimax, Brussels, Belgium. Mechanical device for producing a progressively decreasing force the initial value of which is considerable. 2,560,399, July 10.

Van Mierlo, Stanislas: *See*—
Rheingold, Michael, and Van Mierlo.

Van Ryan, Anthony, South Milwaukee, and C. Schindler, Wauwatosa, Wis., assignors to McGraw Electric Company. Automatic reclosing circuit breaker. 2,560,529, July 10.

Van Urk, Arend T., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coreless moving coil system for measuring instruments. 2,560,375, July 10.

Varga, Andor, now by change of name André Varga, Ilkley, England, assignor to Carding Specialists (Canada) Limited, Toronto, Ontario, Canada. Carding engine. 2,560,013, July 10.

Varga, André: *See*—
Varga, Andor.

Velsicol Corporation, assignee: *See*—
Peters, Carl F.

Vietti, Battista A., Reno, Nev. Trip unit for automatic baling machines. 2,560,143, July 10.

Vigmostad, Trygve: *See*—
Lundberg, Everett E., and Vigmostad.

Vigmostad, Trygve, assignor to Briggs Manufacturing Company, Detroit, Mich. Foldable top for vehicle bodies. 2,560,496, July 10.

Von Doenhoff, Phyllis: *See*—
Ries, Kernell G., Robie, and von Doenhoff.

Von Stoeser, Walter, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Cup dispensing mechanism. 2,559,690, July 10.

Voorhees, Daniel W., Quincy, Ill. Bolster construction for vehicle undercarriages. 2,560,144, July 10.

Wachsmann, Konrad, assignor of one-quarter to C. Wohlstetter and one-quarter to A. Wohlstetter, New York, N. Y. Building structure. 2,559,741, July 10.

Wadsworth, Gordon H., Des Moines, Iowa. Picket fence. 2,560,014, July 10.

Walbright, James C., assignee: *See*—
Hamblin, Jack L.

Waldron, Walter J., Pomona, Calif. Control operating device. 2,560,015, July 10.

Walkabout Company, The, assignee: *See*—
Ames, Butler.

Walker, Robert S., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Apparatus for producing milk of lime. 2,559,691, July 10.

Walker, Robert S., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Method of and means for producing milk of lime and for causticizing green liquor. 2,560,016, July 10.

Walker, Robert S., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Apparatus for slaking lime. 2,560,316, July 10.

Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Determining the concentration of a chemical constituent of a fluid. 2,560,317, July 10.

Wallace & Tiernan Products, Inc., assignee: *See*—
Wallace, Charles F.

Wallin, Edwin A., Bayside, N. Y. Drier. 2,560,497, July 10.

Walsh, John M., Jr.: *See*—
Ginder, John C. S., and Walsh.

Wanish, George G., Cortland, N. Y. Corset. 2,560,145, July 10.

Wardleworth, James: *See*—
Coffey, Samuel, Fairweather, Lodge, and Wardleworth.
Coffey, Samuel, Lodge, and Wardleworth.

Ware, Walter, assignor to Chicago Roller Skate Company, Chicago, Ill. Roller skate. 2,560,017, July 10.

Warner, Lewis E., North Hollywood, Calif., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Combination box spring and mattress. 2,560,018, July 10.

Warner, Robert B., and S. Ford, Los Angeles, Calif., assignors to Ford Warner Manufacturing Company. Stenographic copyholder. 2,559,811, July 10.

Warren, Lawrence N., Belmont, N. C., assignor of one-half to E. E. Hearing, Philadelphia, Pa. Heated take-off blade or pick for gluers. 2,559,908, July 10.

Warren, S. D., Company, assignee: *See*—
Frost, Frederick H.

Warrick, Earl L., Pittsburgh, Pa., assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y. Copolymeric siloxane elastomers and producing them. 2,560,498, July 10.

Warry, R. F., Limited, assignee: *See*—
Warry, Reginald F.

Warry, Reginald F., Twickenham, assignor to R. F. Warry Limited, London, England. Cable tensioning means for hoists. 2,560,499, July 10.

Warry, Reginald F., Twickenham, assignor to R. F. Warry Limited, London, England. Safety device for hoist platforms. 2,560,500, July 10.

Warshaw, Nathaniel, Brookline, and R. E. Jeffery, Malden, assignors to Market Forge Company, Everett, Mass. Lift truck. 2,560,146, July 10.

Waterbury Farrel Foundry & Machine Company, Inc., The, assignee: *See*—
Candee, Zenas P.

Waterman, Neil S., Tarrytown, N. Y. Moistureproof container with flexible seal covers. 2,560,376, July 10.

Waterman, Neil S., Tarrytown, N. Y. Liquid dispenser. 2,560,377, July 10.

Waters, Horace W.: *See*—
Boswell, John W., and Waters.

Waters, Maynard E., Norwich, N. Y. Toolholder. 2,559,742, July 10.

Watervliet Paper Company, assignee: *See*—
Scheid, Louis J.

Watson, Charles T., Bessemer, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Solution and method for coating zinc surfaces. 2,559,812, July 10.

Watson, Edward F.: *See*—
Bacon, Walter M., and Watson.

Watson Manufacturing Company, Inc., The, assignee: *See*—
Fosberg, Henry C.

Webb, Myron Q., Waynesboro, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Stabilization of polyacrylonitrile solutions. 2,560,053, July 10.

Webster, Robert M., Jr., and J. Thomas, Allentown, Pa., assignors to Mack Manufacturing Corporation, New York, N. Y. Hydraulic steering for six-wheel bogies. 2,560,501, July 10.

Weir, Robert H.: *See*—
Cavanaugh, Robert M., and Weir.

Welch, Lester M.: *See*—
Morrell, Charles E., Robey, and Welch.

Weldon, Leonard H. P.: *See*—
Deutsch, Franz S., and Weldon.

Wells, Irus M., Redmond, Oreg. Boat creel. 2,560,054, July 10.

Wenger, Frank J., assignor to Electronic Distributors Inc., Washington, D. C. Tool. 2,560,318, July 10.

Werzyn, Joseph P., Jackson Heights, N. Y. Camera supporting floodlight assembly. 2,560,200, July 10.

Wescott, Harvey M., South Westport, Mass. Partially expandible toy figure. 2,559,909, July 10.

West, Fred W.: *See*—
Zerner, Ernst, Gradsten, and West.

West, Herbert J., Pittsburgh, Pa., and H. M. Enterline, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Heat-stable plasticized aminotriazine resin compositions. 2,560,319, July 10.

West Bend Aluminum Co., assignee: *See*—
Morrison, Willard L., Jr.

Western Electric Company, Incorporated, assignee: *See*—
Brickman, Elmer A.
Briganti, Anthony H., and Buchwald.
Edhlund, Leslie J.
Gambrill, Richard D.
Johnson, Donald M.
Swanson, Nils H.

Westfall, Robert W., Sunland, and R. E. Lenihan, Los Angeles, Calif. Smooth-grip friction cleanser. 2,560,055, July 10.

Westin, Johan T., Stockholm, assignor to Aktiebolaget Håkanssons Industrier, Amal, Sweden. Voltage pulse generator for electric fences. 2,560,056, July 10.

Westinghouse Electric Corporation, assignee: *See*—
Frank, Stanley L.

Whalen, Edward J., North Providence, R. I. Automatic drain for air lines. 2,559,692, July 10.

Whidden, Theron D., Sr.: *See*—
Hall, John L., Jr., and Whidden.

Whipple, Robert P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire retreading and repair material. 2,560,040, July 10.

White, Aubrey F., North Weymouth, Mass. Welt cutting device. 2,559,813, July 10.

White, Eric L. C., Iver, assignor to Electric and Musical Industries Limited, Hayes, England. Frequency modulation detector. 2,560,378, July 10.

White, William M., assignor to Eastman Kodak Company, Rochester, N. Y. Electric timer. 2,559,910, July 10.

Whittle, Frank, Ruby, assignor to Power Jets (Research & Development) Limited, London, England. Cooling combustion-engine air supply by ammonia. 2,559,814, July 10.

Widdicomb, John, Company, assignee: *See*—
Herts, Jack H. B., and McPhee.

Wiegand, Francis J., Ridgewood, and E. F. Pierce, Pines Lake, N. J., assignors to Wright Aeronautical Corporation. Automatic antidetonation system. 2,560,262, July 10.

Wiegand, Francis J., and D. W. Meador, Ridgewood, N. J., assignors to Wright Aeronautical Corporation. Fluid line connection. 2,560,263, July 10.

Wildow, Paul W.: *See*—
Byrd, John F., and Wildow.

Williams, Beverly E., assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Meat aging unit. 2,560,057, July 10.

Williams, C. K., & Co., assignee: *See*—
Frayne, Clifford G.

Williams, Frederic C., Timperley, and A. L. Llewelyn, Great Malvern, England. Radio scanner control. 2,559,834, July 10.

Williams, James D.: *See*—
Kendall, Ray, and Williams.

Williams, Keith, assignee: *See*—
Spillane, Paul X.

Williams, Keith, Buffalo, N. Y. Shock absorbing mechanism for railway draft riggings. 2,559,743, July 10.

Williams, Keith R.: *See*—
Richard, Leonard J., and Williams.

Williams, Thomas F., Tamaqua, Pa. Sharpener for flexible double-edged razor blades. 2,560,201, July 10.

Willoughby, Eric O., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Antenna for broad frequency band operation. 2,559,693, July 10.

Wilt, James W., Taft, Calif. Paper holder for draftsmen. 2,559,744, July 10.

Wilton Tool Manufacturing Co., assignee: *See*—
Barker, Clemon W.

Wingfoot Corporation, assignee: *See*—
Burkley, Clement J.

Winkler, Marion R., La Grange Park, assignor to Motorola, Inc., Chicago, Ill. Radio transmitter-receiver, including shielding chassis and plug-in stages. 2,560,320, July 10.

Winpower Mfg. Company, assignee: *See*—
McCardell, Edmund A.

Wise, Eugene B.: *See*—
Elliott, Clifton M., and Wise.

Wishart, Herbert W.: *See*—
Goodlett, Edward R., and Wishart.

Witchey, Albert L., Merchantville, N. J., assignor to Radio Corporation of America. Loud-speaker with flexible diaphragm mounting. 2,560,379, July 10.

Withall, William E., Hinsdale, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,559,745, July 10.

Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Interlocking motion-picture camera diaphragm and shutter release structure. 2,559,911, July 10.

Witter, Lawrie L., trustee, assignee: *See*—
Emerson, Cherry L., Jr., and Cuming.

Wohlstetter, Albert, assignee: *See*—
Wachsmann, Konrad.

Wohlstetter, Charles, assignee: *See*—
Wachsmann, Konrad.

Wolfe, John K.: *See*—
Beck, Lloyd W., Gilbert, and Wolfe.

Woodward, Robert W., Rockland, Mass. Bottle support and lock for liquid dispensing apparatus. 2,559,815, July 10.

Workman, Clarence E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making precision resilient bushing. 2,560,023, July 10.

Wright Aeronautical Corporation, assignee: *See*—
Berggren, Lloyd E., and Schaffer.
Browne, Kenneth A.
Cannon, Wayne D.
Hanzalek, William V.
Pitts, Charles N., and Shauger.
Wiegand, Francis J., and Meador.
Wiegand, Francis J., and Pierce.

Wright, Bruce R.: *See*—
Bloomer, Ward J., and Wright.

Wright, John: *See*—
Olpin, Henry C., House, and Wright.

Wrightsman, Gilbert G., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Improved drilling mud composition. 2,560,380, July 10.

Wrightson, Thomas G., Darlington, and N. C. Lake, Stockton-on-Tees, assignors to Head, Wrightson & Company Limited, Thornaby-on-Tees, England. Tube and rod production. 2,560,058, July 10.

Wrotnowski, Arthur C., Jr.: *See*—
Day, Harold M., and Wrotnowski.

Wullweber, Marvin, Virgil, S. Dak. Trash remover. 2,560,264, July 10.

Wurlitzer, Rudolph, Company, The, assignee: *See*—
Schmidt, Francis M.
Von Stoeser, Walter.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Kompass, Frank O.

York Corporation, assignee: *See*—
Moore, Paul B.

York, Emerson W., and F. C. Smith, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for electrostatically depositing gas-suspended solids. 2,560,047, July 10.

Young, Carroll I., Westminster, Md. Milking truck. 2,560,059, July 10.

Young, David W.: *See*—
Sparks, William J., and Young.

Youngstown Steel Door Company, The, assignee: *See*—
Ditchfield, Frank.

Zancan, Ottavio, New York, N. Y. Transmission control. 2,560,321, July 10.

Zartman, Florence C.: *See*—
Baker, Barbara R., and Zartman.

Zephyr Manufacturing Co., assignee: *See*—
Lindstrom, Harry E.

Zerner, Ernst, and M. Gradsten, New York, N. Y., and F. W. West, North Arlington, N. J., assignors to Sun Chemical Corporation, New York, N. Y. Acrylyl-triazene polymerization products. 2,559,694, July 10.

Zerner, Ernst, and M. W. Pollock, assignors to Sun Chemical Corporation, New York, N. Y. Reaction products of nitriles. 2,559,835, July 10.

Zimmer, John C., Union, G. W. Duncan, Westfield, and C. E. Paxton, Jamesburg, N. J., assignors to Standard Oil Development Company. Rust inhibiting composition. 2,560,202, July 10.

Zwosta, William M., Columbus, Ohio. Pickle pumping machine. 2,560,060, July 10.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Amino-thiophanthraquinones. H. R. Lee and V. Weinmayr. Re. 23,390, July 10.

Circuit for telephone systems, Line identification. W. H. T. Holden and B. F. Lewis. Re. 23,388, July 10.

Nitro-thiophanthraquinones. H. R. Lee and V. Weinmayr. Re. 23,389, July 10.

LIST OF PLANT INVENTIONS

Peach tree. H. F. Smith. 1,021, July 10.

LIST OF DESIGN INVENTIONS

Advertising display. J. Andriessen. 163,841, July 10.

Airplane. J. W. Thorp. 163,913, July 10.

Alphabet for forming monograms or the like. C. A. Spanganberg. 163,906–8, July 10.

Ash tray and holder for coins, game chips, cigarettes, and matches, Combined. J. Meyer, S. Strauss, and S. Stutzel. 163,889, July 10.

Ash tray and snuffer, Combined. E. Wedemeyer. 163,918, July 10.

Badge. A. L. Murphy. 163,895, July 10.

Bar, Buffet. M. Renna. 163,901, July 10.

Binocular. L. del Riccio. 163,855, July 10.

Board, Game. K. C. Angelus. 163,842, July 10.

Bowl, Batter. C. M. Burroughs. 163,849, July 10.

Box, Stocking. S. P. Voice. 163,914, July 10.

Bracket and flower holder or the like, Combined wall. M. Iwanoski. 163,870, July 10.

Cabinet, Combination television and radio-phonograph. S. E. Adler. 163,838, July 10.

Cabinet, Drink accessory. K. Brocken. 163,847, July 10.

Cabinet or similar article, Portable tool. S. Kent, J. H. Lehman, and D. R. Lippman. 163,877, July 10.

Cabinet, Refrigerator. J. H. Walter. 163,916, July 10.

Cabinet with drawer and compartment. W. J. Carr. 163,852, July 10.

Cabinet with multiple drawers and compartments. W. J. Carr. 163,851, July 10.

Cap for mechanical pencil or similar article, Removable. G. L. Beckstrom. 163,845, July 10.

Carrier, Bottle. C. E. Jones. 163,871–3, July 10.

Chair end standard. W. S. Lindberg. 163,883, July 10.

Cigarette pack and coin container, Combination. V. D. Griffith. 163,865, July 10.

Clamp and mounting bracket therefor, Combined flashlight. D. Mitchell, Jr. 163,892, July 10.

Clockface. T. D. Di'Addario. 163,856, July 10.

Clock, thermometer, and barometer, Combination. M. Gold. 163,864, July 10.

Comb. P. Morroni. 163,894, July 10.

Container and dispenser for book matches. O. F. Werner. 163,919, July 10.

Container and slicer, Combined. H. F. Taylor. 163,912, July 10.

Container, Edible. L. K. Richardson and T. E. Pope. 163,902, July 10.

Controller or the like, Automatic. D. L. McFarland. 163,885, July 10.

Cover for cosmetic bottles and the like. H. Merillat. 163,888, July 10.

Cover or similar article, Quilt. D. K. Wassner. 163,917, July 10.

Dispenser, Sugar. H. L. Wall. 163,915, July 10.

Display case and cashbox, Combination merchandise. A. J. Liberman. 163,881, July 10.

Door guard, Gasoline. B. Barr. 163,843, July 10.

Fabric or similar article, Textile. M. R. Hamre. 163,867, July 10.

Fabric or similar article, Textile. R. Kent. 163,876, July 10.

Figurine or the like. M. Halpert. 163,866, July 10.

Gauge mechanism housing. E. T. Sliwinski. 163,904, July 10.

Holder for kitchen accessories, Wall-hanging. H. Oakes. 163,897, July 10.

Holder, Line. M. L. Gaster. 163,858, July 10.

Instrument, Drafting. E. F. Campbell. 163,850, July 10.

Lathe, Single spindle automatic. H. H. Ranney. 163,900, July 10.

Lighter or similar article, Cigar. F. Kaupmann. 163,874–5, July 10.

Loader, Portable. V. G. Mandt. 163,884, July 10.

Mailbox. A. W. Lindberg, Jr. 163,882, July 10.

Marker, Grave. G. R. Nichols. 163,896, July 10.

Mixer and dispenser, Combination baby formula. I. Frimerman. 163,857, July 10.

Pendant or the like. V. Adlerberg. 163,840, July 10.

Pin-clip or the like. V. Adlerberg. 163,839, July 10.

Planter. J. B. Boyd. 163,846, July 10.

Plaque, Religious illusion. E. Cerracchio. 163,853, July 10.

Plaque, Souvenir. S. Bazur and G. W. Kaiser. 163,844, July 10.

Plate, Sectional sandwich. H. Kowsky. 163,880, July 10.

Rack or similar article, Merchandise display. W. A. Miles. 163,891, July 10.

Rack, Table. R. J. Olson. 163,898, July 10.

Radiator cover and hood, Combined tractor. W. L. Brockway. 163,848, July 10.

Recorder, Wire. E. C. Steinbach. 163,910, July 10.

Scooter, Motor. S. P. V. Piatti. 163,899, July 10.

Separator, Centrifugal cream. T. H. Koeber. 163,878–9, July 10.

Slipper or similar article. H. Singer. 163,903, July 10.

Spoon or similar article. N. J. Mercer. 163,886–7, July 10.

Sunglass. G. R.Hinman. 163,869, July 10.

Support, Thermometer. J. J. Milavec. 163,890, July 10.

Tank, Bicycle. J. F. Day and H. F. Maschin. 163,854, July 10.

Tool, Compound. E. E. Sutter. 163,911, July 10.

Toy figure, Animated. A. M. Hillery. 163,868, July 10.

Toy, Whistling whirling. L. S. Spallone. 163,905, July 10.

Watchband. S. Moanfeldt. 163,893, July 10.

Watchcase. A. J. Geoffrion. 163,859–63, July 10.

Wire magazine. E. C. Steinbach. 163,909, July 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article and manufacturing the same, Resin bonded. K. G. Ries, N. P. Roble, and P. von Doenhoff. 2,559,664, July 10.

Absorption spectrometry with use of radio-frequency modulated light source. G. A. D. Touvet. 2,559,688, July 10.

Accessory system operable by either of two suction sources. A. Rappl. 2,560,306, July 10.

Acid extraction of mixed olefin hydrocarbons. C. E. Morrell and B. F. Robey. 2,560,362, July 10.

Acrylic acid esters containing a dialkylphosphono group and polymers prepared therefrom. J. B. Dickey and H. W. Coover. 2,559,854, July 10.

Acrylyl-triazene polymerization products. E. Zerner, M. Gradsten, and F. W. West. 2,559,694, July 10.

Adapter means for supporting the air lines of railroad cars. T. H. Birch and V. L. Green. 2,559,753, July 10.

Adjustable book cover. A. Cohn. 2,560,087, July 10.

Adjustable nozzle. C. R. Curtis. 2,560,279, July 10.

Air-blowing clay tower polymer. L. C. Morris. 2,559,985, July 10.

Air conditioner. N. R. Inglis. 2,560,349, July 10.

Air conditioning device. J. Sanchis. 2,560,372, July 10.

Aircraft armament assembly. E. J. Meyer. 2,559,727, July 10.

Air driven shaker. J. S. High. 2,559,620, July 10.

Air-line oiler. M. O'Farrell. 2,560,239, July 10.

Airplane anchor screw kit. W. J. Padgett. 2,559,732, July 10.

Airplane control system, Fully powered. I. L. Ashkenas. 2,559,817, July 10.

Airplane landing gear. R. W. Allen. 2,560,030, July 10.

Airplane proximity indicator. C. Adler, Jr. 2,560,265, July 10.

Air relay device for pressure controlled systems. O. Fischer. 2,560,163, July 10.

Alkyl benzenes, Production of. R. S. Hanmer. 2,559,818, July 10.

Alkylphenol sulfoxides. W. S. Cook. 2,560,049, July 10.

Alkyltin carboxylates, Preparation of. K. C. Eberly. 2,560,034, July 10.

Alpha-alkyl,4-alkyl cyclohexylbutyric acids. E. L. Pelton and A. A. Holzschuh. 2,560,242, July 10.

Amino-halogen-thiophanthraquinones. H. E. Schroeder and L. A. Ringrose. 2,559,677, July 10.

Amplifier, Multiple reaction circuit. M. Rheingold and S. Van Mierlo. 2,559,662, July 10.

Amplifier, Transverse traveling wave. R. S. Bailey. 2,559,581, July 10.

Amusement and exercising device, Ridable. M. Green. 2,560,436, July 10.

Amusement device, Spinning indicator. F. Cook. 2,560,158, July 10.

Anchor for tapes, bands, cables, and the like. G. Steingruber. 2,560,396, July 10.

Anchor stud. J. R. Nyl. 2,560,525, July 10.

Animal trap. W. R. Horne. 2,560,442, July 10.

Annular combustion chamber with circumferentially spaced double air-swirl burners. L. E. Berggren and W. C. Schaffer. 2,560,207, July 10.

Anode basket. J. D. Beebe. 2,559,926, July 10.

Antenna for broad frequency band operation. E. O. Willoughby. 2,559,693, July 10.

Antenna structure, Submarine. O. E. Dunlap, Jr. 2,560,218, July 10.

Anthraquinone vat dyestuffs. H. E. Schroeder and L. A. Ringrose. 2,559,676, July 10.

Antidetonant injection system. W. D. Cannon. 2,560,213, July 10.

Antiskid device. A. K. Stevens. 2,560,198, July 10.

Apparatus for applying covers to balls. F. T. Roberts. 2,560,370, July 10.

Apparatus for bonding brake linings to brake shoes. C. S. Batchelor and E. L. Carey. 2,559,748, July 10.

Apparatus for clamping a copy board on the base plate of a photographic enlarging apparatus. E. Schreiber. 2,560,190, July 10.

Apparatus for conditioning, cleaning, and circulating cooling liquids. H. W. Hapman. 2,559,614, July 10.

Apparatus for contacting gases and liquids to effect concentration, fractionation, and the like. W. J. Bloomer and B. R. Wright. 2,560,077, July 10.

Apparatus for crimping condenser cans having leads. N. H. Swanson. 2,559,904, July 10.

Apparatus for determining temperatures of molten metal. H. H. Locke. 2,560,232, July 10.

Apparatus for drawing thermoplastic sheets. G. W. Borkland. 2,559,705, July 10.

Apparatus for dressing convex surfaces on grinding wheels. J. Klopak. 2,560,454, July 10.

Apparatus for dynamically balancing tires, wheel assemblies, and the like. R. E. Burke, M. Periat, and W. Schlichtmann. 2,559,707, July 10.

Apparatus for electrostatically depositing gas-suspended solids. E. W. York and F. C. Smith. 2,560,047, July 10.

Apparatus for fractionation. W. J. Bloomer. 2,560,072, July 10.

Apparatus for gun perforating well casing and surrounding unconsolidated formations. G. B. Thomas, Jr. 2,559,687, July 10.

Apparatus for measuring forces, especially the force of gravity. G. V. A. Gustafsson. 2,559,919, July 10.

Apparatus for molding concrete blocks. V. V. Benischek. 2,560,208, July 10.

Apparatus for molding threaded articles. J. L. Howie, Jr. 2,560,291, July 10.

Apparatus for producing milk of lime. R. S. Walker. 2,559,691, July 10.

Apparatus for sectionizing citrus fruit. R. Polk, Sr., and R. Polk, Jr. 2,560,128, July 10.

Apparatus for securing a handle to a cup or other hollow ware article made of earthenware or china. A. Steele. 2,560,007, July 10.

Apparatus for setting up cartons. L. Back. 2,560,405, July 10.

Apparatus for simulating radio navigation aids. R. C. Dehmel. 2,560,527, July 10.

Apparatus for slaking lime. R. S. Walker. 2,560,316, July 10.

Apparatus for the washing in bulk of particles of coal and ores by alluviation in washing chutes. A. France. 2,560,429, July 10.

Apparatus for treating gases. F. L. Hunter. 2,559,720, July 10.

Apparatus for treating solids and/or liquids. H. B. Pullar. 2,559,899, July 10.

Apparatus for treating windrows. J. L. Ferguson. 2,559,862, July 10.

Apparatus for use in glazing earthenware articles. G. W. Bird. 2,560,270, July 10.

Applying a masking composition to a glass base. D. H. Kennedy. 2,559,969, July 10.

Aqueous colloidal dispersions of polymers. K. L. Berry. 2,559,752, July 10.

Aqueous colloidal dispersions of polytetrafluoroethylene and the formation of shaped structures therefrom. K. L. Berry. 2,559,750, July 10.

Arrangement for automatically disengaging a mechanism by stop action. V. Nouzák. 2,560,238, July 10.

Arrangement for night watchman controls. L. F. B. Ahlberg and S. T. F. Sundberg. 2,559,746, July 10.

Artificial lure and leader protector and holder. P. Martinson. 2,559,780, July 10.

Attaching airplane propeller deicer shoes. R. W. Brown. 2,560,026, July 10.

Attachment for cutting tables. T. McDowell. 2,559,982, July 10.

Attachment for spinning frames. J. H. Riddle and W. G. Reed. 2,560,476, July 10.

Automatic antidetonation system. F. J. Wiegand and E. F. Pierce. 2,560,262, July 10.

Automatic gain control circuit. D. H. Black. 2,559,587, July 10.

Automatic humidity regulating means for rooms. M. J. Snyder. 2,560,006, July 10.

Automatic machine for sequentially immersing machine parts in successive cleaning liquids. A. and J. Aiello. 2,559,921, July 10.

Automatic oil tank switch. F. Guyton. 2,560,104, July 10.

Automatic selector control system. G. Deakin. 2,559,601, July 10.

Automatic severing of sheets from a band of glass, Process and apparatus for. M. H. M. L. Ramain. 2,560,305, July 10.

Automatic stock feeding mechanism for lathes. S. L. Casella. 2,559,941, July 10.

Automatic strand feed regulator. K. H. Andren. 2,560,204, July 10.

Automobile crash pad. C. L. Straith. 2,560,009, July 10.

Autotransformer. R. Dessarzin. 2,560,385, July 10.

Awning and shade, Combination transparent. T. C. Tims. 2,560,397, July 10.
Awning, Variable width rigid. H. C. Riemann. 2,560,248, July 10.
Awning with adjustable louvers. J. S. Phillips. 2,560,303, July 10.
Axes roundabout, Vertical and horizontal. I. F. Howard. 2,559,768, July 10.
Axle or rod and making same, Headed. V. C. Helberg. 2,560,290, July 10.
Azo anthraquinone vat dyes and intermediates. H. E. Schroeder and J. Deinet. 2,559,668, July 10.
Azo compounds of the thiophanthraquinone series. H. E. Schroeder and L. A. Ringrose. 2,559,670–2, July 10.
Azo dye intermediates of the anthraquinone series. H. E. Schroeder and J. Deinet. 2,559,667, July 10.
Azo dyes of the thiophanthraquinone series. H. E. Schroeder and L. A. Ringrose. 2,559,673, July 10.
Back support for reclining lounge chairs, Resilient. E. M. Morvice. 2,560,181, July 10.
Back washing filter. R. P. Moore. 2,559,784, July 10.
Bacteriostatic cellulosic textile reacted with derivatives of dihydroxy hexachloro diphenyl methane. D. M. Musser. 2,559,086, July 10.
Baffle construction for fuel burners, Double air-swirl. W. V. Hanzalek. 2,560,223, July 10.
Baffle for boiler tubes. S. J. Clark. 2,560,275, July 10.
Bait dispenser. H. M. Babington. 2,560,381, July 10.
Bait hook and complemental gaff hooks. L. S. Penninger. 2,560,302, July 10.
Baking apparatus. T. H. Sarchet. 2,559,801, July 10.
Band and pulley structure. C. O. Slemmons. 2,560,307, July 10.
Bank robber trap. J. H. Brown. 2,560,410, July 10.
Batting means for mechanical baseball games. W. G. and S. H. Grohman. 2,559,872, July 10.
Beam for railway trucks, Equalizer. A. G. Dean. 2,560,505, July 10.
Bearing: *See*—
Rocker arm thrust bearing. Self-lubricating bearing.
Bearing. B. Schroeter. 2,560,133, July 10.
Bearing seal. H. Jensen. 2,559,963–4, July 10.
Bedrail finishing carrier. J. H. B. Herts and J. E. McPhee. 2,559,958, July 10.
Bed structure. F. L. Rega and W. E. Hartmann. 2,559,998, July 10.
Bell and vibrator element therefor, Alarm. F. W. Jackson and H. M. Nacey. 2,560,444, July 10.
Beta irradiation method and means. A. Pregel. 2,559,793, July 10.
Beta-tetrahydrofluoranthoyl propionic acid and salts thereof. O. E. Faucher. 2,560,425, July 10.
Beverage making apparatus. R. T. Cameron. 2,560,214, July 10.
Bias blocking means to cutoff amplifier during record changing operation. H. H. Scott. 2,559,902, July 10.
Binary binomial sequential analyzer. R. W. Jones. 2,560,172, July 10.
Bird calling device. H. E. McMahon. 2,559,781, July 10.
Bis-quaternary ammonium compounds. P. L. de Benneville. 2,560,280, July 10.
Blade or pick for gluers, Heated take-off. L. N. Warren. 2,559,908, July 10.
Blending polyethylene-amorphous petroleum wax compositions. R. G. Larsen and A. A. Schaerer. 2,559,645, July 10.
Boiler: *See*—
Electric steam boiler.
Bolster construction for vehicle undercarriages. D. W. Voorhees. 2,560,144, July 10.
Boom for excavators or the like. B. S. Calvert. 2,560,412, July 10.
Bottle support and lock for liquid dispensing apparatus. R. W. Woodward. 2,559,815, July 10.
Box: *See*—
Cartridge holding box. Safety scissors box.
Journal box.
Box spring and mattress, Combination. L. E. Warner. 2,560,018, July 10.
Bracket: *See*—
Trestle bracket.
Brake: *See*—
Disk brake.
Brake adjusting means. L. R. Pistoles and A. G. Brinsfield. 2,559,830, July 10.
Brake system, Hydraulic. H. W. Hart. 2,560,105, July 10.
Brake valve assembly. E. F. Loweke. 2,559,886, July 10.
Breaking petroleum emulsions. M. De Groote and B. Keiser. 2,560,333, July 10.
Brief case. S. H. Lifton. 2,560,297, July 10.
Brush guide, Nail polish. A. McKinney, Jr. 2,559,825, July 10.
Brush, Tube cleaning. W. Chandler. 2,559,757, July 10.
Buffing chuck. J. Hulse. 2,560,111, July 10.
Buggy, Marsh. J. P. Crain. 2,560,384, July 10.
Building structure. K. Wachsmann. 2,559,741, July 10.
Bulldozer attachment for tractors. E. C. Alexander. 2,559,816, July 10.
Burner: *See*—
Fuel and air diffuser burner. Multiple gas burner.
Gas-fired conversion burner. Rotary atomizing liquid fuel burner.
Liquid fuel burner. Vaporizing type liquid fuel burner.
Burning fuel, Method and apparatus for. W. J. Bloomer. 2,560,074, July 10.
Burning fuel, Method and apparatus for. W. J. Bloomer. 2,560,076, July 10.
Butadiene-styrene rubbery copolymer stabilized with antimonyl-4,6 dimethyl catecholate. H. E. Albert and G. E. P. Smith, Jr. 2,560,029, July 10.
Butyltin chlorides, Preparation of. K. C. Eberly, G. E. P. Smith, Jr., and H. E. Albert. 2,560,042, July 10.
Cable: *See*—
Ribbon cable.
Cable grip, Split. J. Di Palma. 2,560,418, July 10.
Cable tensioning means for hoists. R. F. Warry. 2,560,499, July 10.
Camera diaphragm and shutter release structure, Interlocking motion-picture. O. Wittel. 2,559,911, July 10.
Carbon arc feed. R. L. Garman and J. K. McKendry. 2,560,165, July 10.
Carbon paper, Multicolor. J. R. Ehrlich. 2,559,608, July 10.
Card and dice game, Combination. D. E. Post. 2,560,187, July 10.
Carding engine. A. Varga. 2,560,013, July 10.
Carrier: *See*—
Bedrail finishing carrier. Golf tee carrier.
Carrier for braiding and like machines. B. and E. Carter. 2,560,084, July 10.
Carton for cylindrical objects. G. C. Currie. 2,559,948, July 10.
Cartridge holding box. W. V. Davis. 2,560,417, July 10.
Case: *See*—
Brief case. Slide fastener brief case.
Key case.
Case and screen for picture projectors, Combined carrying. E. W. Ericson. 2,560,335, July 10.
Case filling machine. C. H. Neer. 2,559,655, July 10.
Casket lowering device. E. H. Kaiser. 2,560,450, July 10.
Cast iron, Manufacture of. J. G. Platon. 2,560,471, July 10.
Casting solution of cellulose propionate. J. H. Prichard. 2,559,794, July 10.
Castor wheel tire construction. J. A. Diehl. 2,560,036, July 10.
Catalytic conversion process. C. E. Hemminger. 2,560,343, July 10.
Catalytic cracking of heavy hydrocarbons in two stages. G. I. Jenkins. 2,560,511, July 10.
Catalytic dehydrogenation of petroleum naphthenes. R. C. Brandon. 2,560,329, July 10.
Cavity resonator. A. E. Kerwien. 2,560,353, July 10.
Cellulose esters and ethers, Colored. H. C. Olpin, K. R. House and J. Wright. 2,559,787, July 10.
Cellulose sulfuric acid esters, Production of. G. Frank. 2,559,914, July 10.
Centrifugal clutch. A. D. Pentz. 2,560,515, July 10.
Centrifugal device, Fixed. W. J. Bloomer. 2,560,071, July 10.
Centrifugal device, Fixed. W. J. Bloomer. 2,560,073, July 10.
Centrifuge bowl with reciprocating valve for discharging solids from the bowl. P. J. Gresham. 2,559,917, July 10.
Ceramic compositions. D. Rosenthal. 2,560,188, July 10.
Chair: *See*—
Filing chair. Folding high chair.
Chamfer gauge. F. W. Kessler. 2,560,176, July 10.
Change-speed device. J. Lesueur. 2,560,180, July 10.
Cheese, Preparation of blue-veined. F. E. Nelson and I. I. Peters. 2,560,182, July 10.
Chemical testing apparatus, Automatic. T. A. Hewson. 2,560,107, July 10.
Chewing gum and making same, Coated candy. E. G. Lindhe. 2,559,648, July 10.
Chromic oxide production particularly for pigment purposes. C. G. Frayne. 2,560,338, July 10.
Circuit: *See*—
Automatic gain control circuit. Pulse shaping circuit.
Voltage dividing circuit.
Circuit breaker, Automatic reclosing. A. Van Ryan and C. Schindler. 2,560,529, July 10.
Circuit for electronic organs, Dividing and amplifier. F. M. Schmidt. 2,559,802, July 10.
Clamp. A. E. Gaudreau. 2,559,716, July 10.
Clamping device for force responsive elements. H. E. Owen. 2,560,366, July 10.
Clamping device for gravity meters. A. Barry. 2,560,326, July 10.
Cleaner: *See*—
Pipe bowl cleaner.
Clip: *See*—
Hairpin clip.
Clip and lingual or palatal bar for dentures, Reinforced. A. R. Mackey. 2,560,460, July 10.
Closet collar adapter. W. R. Koenig, Sr. 2,559,773, July 10.

Clutch: *See*—
Centrifugal clutch.
Clutch and brake pilot mechanism. M. Gravina and M. Hawadler. 2,559,765, July 10.
Clutch for power presses, Positive jaw. Z. P. Candee. 2,559,709, July 10.
Coating apparatus, Fruit. R. B. Shugart and J. G. Boettcher. 2,560,487, July 10.
Coating cellulose ester films. G. F. Nadeau and F. W. Hoyt. 2,559,893, July 10.
Coating electrical contact pins. A. M. Bergö-Heineman. 2,560,151, July 10.
Coating for paper and production. L. J. Scheid. 2,559,901, July 10.
Coil forming press. W. G. Royston. 2,560,189, July 10.
Coil system for measuring instruments, Coreless moving. A. T. van Urk. 2,560,375, July 10.
Collapsible rack. V. E. Meinke. 2,560,466, July 10.
Collapsible receptacle. H. P. Cottingham. 2,560,089, July 10.
Collapsible telescope stand. H. H. Kirby and C. B. Thorington. 2,559,971, July 10.
Collar, Stiffened roll. J. V. Cohn. 2,560,157, July 10.
Comb. W. H. Cartheuser. 2,559,940, July 10.
Comb, Sheathed hair. C. J. Garofalo. 2,559,867, July 10.
Combustion apparatus and method. W. J. Bloomer. 2,560,078, July 10.
Communicating system. W. M. Bacon and E. F. Watson. 2,560,266, July 10.
Composition for marking rubber and using composition. C. W. Smith and H. Golden. 2,560,195, July 10.
Compression-connecting terminal member. E. L. Earle, R. P. Arthur, and J. I. Bellamy. 2,559,715, July 10.
Compressor, Hydraulic brake twin-cylinder. W. L. Davis. 2,559,850, July 10.
Concrete pipe mold. J. Boucher. 2,559,846, July 10.
Condensation of alkyl aryl ethers with alpha-halogen alkanals. C. E. Johnson and C. E. Adams. 2,560,173, July 10.
Condensation products of silicon halides with chlorwax-naphthalene and chlorwax-phenol. E. Lieber and E. P. Cashman. 2,560,355, July 10.
Conductivity cell. G. L. Borell and M. I. Nystuen. 2,560,209, July 10.
Cone clutch members, Production of. C. S. Batchelor and F. C. Stanley. 2,559,747, July 10.
Connecting means for lighting fixture louver frames. M. H. Kruger. 2,559,640, July 10.
Container. R. K. Pottle. 2,559,658, July 10.
Container and dispenser for liquids, Combined. O. E. Ihle and E. J. Kapteyn. 2,559,877, July 10.
Container with flexible seal covers, Moistureproof. N. S. Waterman. 2,560,376, July 10.
Control lever mechanism. W. Brown. 2,560,154, July 10.
Control operating device. W. J. Waldron. 2,560,015, July 10.
Controlling temperature from a plurality of remote points or zones. C. E. Armstrong. 2,560,322, July 10.
Conversion apparatus and associated arrangement for controlling distribution of gases passing therethrough. R. C. Lassiat and J. E. Evans. 2,559,646, July 10.
Conversion of liquid to solid tetrachlorobutane. K. C. Eberly. 2,560,019, July 10.
Conversion of liquid to solid tetrachlorobutane. K. C. Eberly and R. J. Reid. 2,560,025, July 10.
Conveyer bucket. H. W. Hapman. 2,559,615, July 10.
Cooler: *See*—
Two-port cooler.
Cooling and drying grain and seed. J. F. Tipps. 2,560,141, July 10.
Cooling combustion-engine air supply by ammonia. F. Whittle. 2,559,814, July 10.
Copolymeric siloxane elastomers and producing them. E. L. Warrick. 2,560,498, July 10.
Copolymers of substituted styrenes and polyolefins. W. J. Sparks and D. W. Young. 2,560,492, July 10.
Copyholder, Stenographic. R. B. Warner and S. Ford. 2,559,811, July 10.
Cork rod forming machine and method. R. P. Smith and F. E. James. 2,560,491, July 10.
Corset. G. G. Wanish. 2,560,145, July 10.
Cosmetic pencil holder. C. M. Tursky. 2,559,906, July 10.
Cotter key, Self-locking. F. Schaefer. 2,559,737, July 10.
Cotton and corn roller. G. A. Kunkel and L. A. Eversole. 2,559,774, July 10.
Coupling: *See*—
Slip cushion coupling.
Coupling device. G. Deakin. 2,559,600, July 10.
Cover: *See*—
Adjustable book cover.
Interlocking phonograph turntable cover.
Cover sheet stripping mechanism. N. H. Morrison. 2,560,301, July 10.
Covering for blast furnace bells, Protective. J. C. S. Ginder and J. M. Walsh, Jr. 2,559,763, July 10.
Covering to prevent ice accumulations, Protective. T. C. Harper. 2,560,287, July 10.
Cradle rocking spring mechanism. O. Carlson. 2,559,939, July 10.
Creel, Boat. I. M. Wells. 2,560,054, July 10.
Crib, Air-conditioned baby. L. G. Netteland. 2,559,654, July 10.
Curler, Hair. J. H. Paul. 2,559,995, July 10.
Cutoff for radio receivers, Automatic. T. B. Hipps. 2,559,959, July 10.
Cutter: *See*—
Fiber cutter.
Cutter. R. D. Gambrill. 2,559,866, July 10.
Cutterhead, Rotary. A. V. Pettman. 2,559,996, July 10.
Cutter head with multiple blade clamping disk, Rotary. G. R. Jorsch. 2,560,174, July 10.
Cutting gauge. C. F. Block. 2,560,271, July 10.
Cyanoethylation of alkyl lactates. C. E. Rehberg. 2,559,660, July 10.
Cyclopentadiene-vinyl acetate polymers. C. F. Peters. 2,559,790, July 10.
D-glucuronic acid, Preparation of. C. L. Mehltretter. 2,559,652, July 10.
D-tartaric acid, Preparation of. L. B. Lockwood and G. E. N. Nelson. 2,559,650, July 10.
Deck sign. H. R. Owen. 2,559,991, July 10.
Dehazing hydrocarbon oils. B. H. Shoemaker. 2,560,193, July 10.
Delay compositions for electric blasting caps. H. M. Kerr and C. R. L. Hall. 2,560,452, July 10.
Demineralization of sucrose solutions by ion exchange. H. M. Day and A. C. Wrotnowski, Jr. 2,560,504, July 10.
Desk. C. M. Abrahamson. 2,560,400, July 10.
Desulfurization of hydrocarbon oils. W. I. Gilbert and W. A. Horne. 2,560,433, July 10.
Determining path, rate of flow, etc., in subsurface strata. H. H. Hinson. 2,560,510, July 10.
Determining the concentration of a chemical constituent of a fluid. C. F. Wallace. 2,560,317, July 10.
Device for automatic regulation of room temperature in buildings. J. Geisseler. 2,560,282, July 10.
Device for controlling the level of subdivided solid particles within a contacting chamber. J. Hoekstra. 2,559,876, July 10.
Device for folding the legs of an eviscerated bird. L. J. Bell. 2,560,067, July 10.
Device for separating the magnetic transducer and record member during rewind. J. B. Shickel. 2,560,254, July 10.
Device for teaching arithmetic. M. J. Russo. 2,560,130, July 10.
Device for translating duration or time modulated pulses into coded pulses. P. F. M. Gloess and L. J. Libois. 2,560,434, July 10.
Diaper. S. Crane. 2,560,332, July 10.
Diazotype photoprinting material. S. C. Slifkin. 2,560,137, July 10.
Die assembly. T. S. See. 2,559,679, July 10.
Differential. V. E. Gleasman. 2,559,916, July 10.
Digger and separator, Tuber. G. Innes. 2,559,965, July 10.
Dilatometer. J. W. Peckham. 2,559,789, July 10.
Direction finding system. A. G. Richardson. 2,559,663, July 10.
Disk brake. E. F. Loweke. 2,559,885, July 10.
Dispenser: *See*—
Bait dispenser. Liquid dispenser.
Hairpin dispenser. Paper dispenser.
Ice cream dispenser.
Dispensing device for adhesive tape rolls. V. F. Slezak. 2,560,394, July 10.
Dispensing machine. S. Bergman. 2,560,327, July 10.
Dispensing mechanism, Cup. W. Von Stoeser. 2,559,690, July 10.
Dispersing pigments, Method and apparatus for. R. J. Brown. 2,560,082, July 10.
Dispersions of pigments in synthetic latices of rubberlike materials. R. E. Draman. 2,560,041, July 10.
Distillation of acid-treated cashew nut shell liquid. S. Caplan. 2,559,594, July 10.
Dithiane carboxylic acids. E. F. Jansen. 2,559,626, July 10.
Dock, Adjustable loading. P. D. Astry. 2,560,064, July 10.
Door: *See*—
Laterally movable car door. Sealing door.
Door opening and closing device, Electric overhead. J. N. McAlnch and L. E. Myers. 2,560,236, July 10.
Double-action stop motion attachment for spinning frames or twisters. J. B. Dalton. 2,559,949, July 10.
Double aperture generator. A. H. Schooley. 2,559,666, July 10.
Dowel. G. W. Carlson. 2,560,413, July 10.
Drain for air lines, Automatic. E. J. Whalen. 2,559,692, July 10.
Drier: *See*—
Spray drier.
Drier. E. A. Wallin. 2,560,497, July 10.
Drill jig. F. A. Barr. 2,560,382, July 10.
Dry wash ore separator. H. B. Thayer. 2,560,140, July 10.
Drying and tentering-drying with radiant heaters and automatic control means, Method and apparatus for. C. V. Dunski and G. M. Regout. 2,559,713, July 10.
Dull bit indicator. W. J. Bielstein. 2,560,328, July 10.
Dyes of the thiophanthraquinone series. H. E. Schroeder and L. A. Ringrose. 2,559,674, July 10.
Dyestuff preparations. A. Topham. 2,559,807, July 10.
Dyestuff preparations for printing. A. Topham. 2,559,808–9, July 10.
Dynamic braking for electrically driven machines. V. P. Harvey and G. F. W. Powell. 2,560,288, July 10.

Egg packing material. T. H. Alfreds. 2,560,402, July 10.
Electric enamel furnace. R. E. Skinner and G. H. McIntyre. 2,559,683, July 10.
Electric impulse handling system. E. E. Turner, Jr. 2,559,905, July 10.
Electric steam boiler. J. L. Hall, Jr., and T. D. Whidden, Sr. 2,559,954, July 10.
Electrical apparatus. J. M. Hildyard. 2,559,622, July 10.
Electrical pulse train selecting system. B. Derjavitch. 2,559,603, July 10.
Electrical regulating system. R. B. Lobosco. 2,559,724, July 10.
Electrical resistor. J. J. Cerny. 2,559,943, July 10.
Electrical surge arrester. L. L. Crump and C. A. Fox. 2,559,599, July 10.
Electrode structure for glow discharge tubes. D. S. Peck. 2,560,347, July 10.
Electron discharge device. J. S. Donal, Jr., C. L. Cuccia, and B. B. Brown. 2,559,604, July 10.
Electron discharge device of the magnetron type. B. B. Brown. 2,560,409, July 10.
Electronic speed indicator. B. L. Covert. 2,559,849, July 10.
Eliminating contamination in vacuum tubes. A. H. Brigant and C. E. Buchwald. 2,560,273, July 10.
Engine: *See*—
Carding engine. Pressure fluid engine.
Free piston engine.
Engine control, Supercharged. C. M. Elliott and E. P. Wise. 2,559,859, July 10.
Engine pressure control mechanism having housing containing an evacuated bellows and a vented bellows. K. A. Browne. 2,560,210, July 10.
Engine with energy storing means, Internal-combustion. R. M. King. 2,559,970, July 10.
Eraser. H. G. Lehmann. 2,559,884, July 10.
Erasing system for magnetic recorders. H. F. Schoemehl. 2,560,483, July 10.
Esters of ether-substituted carboxylic acids, Preparing. W. J. Croxall and M. F. Fegley. 2,560,277, July 10.
Evaporator. W. J. Bloomer. 2,560,070, July 10.
Evaporator. W. J. Bloomer. 2,560,075, July 10.
Expander roll. S. L. Harlow, Jr. 2,560,039, July 10.
Extensible hack saw frame. H. E. Suhre. 2,559,686, July 10.
Extrusion device, Readily adjustable. C. G. Formaz. 2,560,022, July 10.
Fan construction. J. T. Roffy. 2,559,831, July 10.
Fastener: *See*—
Sheet metal snap fastener.
Shiftable rotary stud fastener.
Fastening device, Adjustable. R. C. Legat. 2,559,883, July 10.
Fence, Picket. C. H. Wadsworth. 2,560,014, July 10.
Fender extension. W. G. Bratz. 2,559,755, July 10.
Fiber cutter. E. K. Bauer. 2,559,700, July 10.
Figure and lamp, Combined animal-like. F. Schwartz and A. Plachter. 2,560,191, July 10.
Filing chair. R. P. Scholfield and L. R. Houghtaling. 2,560,001, July 10.
Film measuring and double-exposure prevention device. R. E. Kesel and R. F. Blattner. 2,559,880, July 10.
Film movement claw arrangement. A. C. Coutant and J. Mathot. 2,560,159, July 10.
Film winding control for cameras. J. Mihalyi, C. W. Pribus, and H. A. Bing. 2,559,892, July 10.
Filter: *See*—
Back washing filter.
Filter. W. R. Tucker. 2,560,142, July 10.
Filter element. L. H. De Haven. 2,559,852, July 10.
Filtering apparatus for liquids. J. P. Buffe. 2,559,936, July 10.
Fire control system. C. B. Davis. 2,560,091, July 10.
Fire extinguisher. S. Boal. 2,560,407, July 10.
Fire extinguisher. C. R. Morton. 2,560,468, July 10.
Fire-extinguisher apparatus, Dry powder. M. E. Keefe, Jr., and I. K. Keefe. 2,559,634, July 10.
Fishing float. R. L. Rhotehamel. 2,560,129, July 10.
Fishing rod with integral resilient means. D. E. Briney. 2,559,934, July 10.
Fishing rod with resilient pivotal butt end. D. E. Briney. 2,559,933, July 10.
Floodlight assembly, Camera supporting. J. P. Werzyn. 2,560,200, July 10.
Fluid control system for flash welders. B. V. Giesey. 2,560,283, July 10.
Fluid line connection. F. J. Wiegand and D. W. Meador. 2,560,263, July 10.
Fluidized powder flow and control. G. E. Liedholm. 2,560,356, July 10.
Fluidizing reduction of zinc compounds with stagewise feeding of solids. J. C. Kalbach. 2,560,175, July 10.
Fluorinated acyl peroxides. O. H. Bullitt, Jr. 2,559,630, July 10.
Fluorinated aliphatic phosphates as emulsifying agents for aqueous polymerizations. A. F. Benning. 2,559,749, July 10.
Fluorine-containing alcohols and preparing the same. R. M. Joyce, Jr. 2,559,628, July 10.
Fluoroalkanephosphonic compounds. J. A. Bittles, Jr., and R. M. Joyce, Jr. 2,559,754, July 10.
Fluoroalkylsulfuric compounds. K. L. Berry and J. A. Bittles, Jr. 2,559,751, July 10.
Fluorography. L. M. E. Clausing. 2,560,085, July 10.
Flush pin gauge. F. W. Kessler. 2,560,177, July 10.
Foldable golf bag stand. F. Dunbar and A. Barbetta. 2,559,951, July 10.
Folder for snap fasteners, Packaging. M. J. Berkson. 2,560,320, July 10.
Folding high chair. H. Hieb. 2,560,108, July 10.
Follower for filing drawers. H. C. Fosberg. 2,560,428, July 10.
Formation of X-ray images by refractive focusing. P. H. Kirkpatrick. 2,559,972, July 10.
Forming tubular bodies with peripheral projections. R. M. Hill. 2,559,621, July 10.
Frame: *See*—
Extensible hack saw frame. Hopper car door frame.
Frame for rucksacks, Carrying. E. Bergsland. 2,560,406, July 10.
Free piston engine. M. Kahr and V. R. Noll. 2,560,449, July 10.
Frequency measuring apparatus. B. Secker. 2,559,680, July 10.
Frequency modulation detector. E. L. C. White. 2,560,378, July 10.
Frequency-stabilization of oscillators. L. E. Norton. 2,560,365, July 10.
Frequency-stabilizing method and system. W. D. Hershberger. 2,559,719, July 10.
Friction cleanser, Smooth-grip. R. W. Westfall and R. E. Lenihan. 2,560,055, July 10.
Friction element bonding film. W. J. Nanfeldt. 2,560,033, July 10.
Friction material, Making. R. W. Brown. 2,560,024, July 10.
Friction nut. R. R. Amesbury. 2,560,518, July 10.
Friction shock absorber for railway car truck springs. R. J. Olander. 2,559,731, July 10.
Friedel-Crafts treatment of unsaturated polymers. J. D. Garber. 2,560,164, July 10.
Fruit juice machine. A. Elterman and H. P. Peshkin. 2,560,096, July 10.
Fuel and air diffuser burner. R. C. Brierly. 2,559,589, July 10.
Fuel feeding apparatus for gas-driven turbines. J. L. Malone and M. McKinnell. 2,560,118, July 10.
Fuel mixture for internal-combustion engines. E. J. Drouilly. 2,559,605, July 10.
Fur felt strips, Producing. G. M. Rickus. 2,560,514, July 10.
Furfural from pentose liquors, Production of. J. W. Dunning, C. F. Frye, and E. C. Lathrop. 2,559,607, July 10.
Furnace: *See*—
Electric enamel furnace.
Furnace for liquid fuels, Regenerative gas combustion. A. Nielsen. 2,559,729, July 10.
Fuse, Renewable. K. W. Swain. 2,560,138, July 10.
Garment, Separable. A. H. Evans. 2,559,953, July 10.
Gas anchor. J. M. Courtney. 2,560,416, July 10.
Gas dissolving apparatus. P. H. Thompson. 2,560,526, July 10.
Gas-fired conversion burner. E. A. Norman, Jr. 2,560,184, July 10.
Gauge: *See*—
Chamfer gauge. Pneumatic type opposed contact gauge.
Cutting gauge.
Flush pin gauge.
Gauge construction, Snap. E. H. Aldeborgh. 2,560,203, July 10.
Gauge for compressible material, Thickness. W. Ames. 2,559,912, July 10.
Gauge of pivoted gauge member type with end indicator. P. W. Johnson. 2,559,771, July 10.
Gauging machine. T. A. Jagen. 2,560,446, July 10.
Gear: *See*—
Airplane landing gear.
Gear for textile roving frames, Mechanical gap. R. J. Henderson. 2,559,619, July 10.
Gearing, Differential. S. Chapp. 2,559,944, July 10.
Gearing for material loading apparatus. W. E. Overturf. 2,559,829, July 10.
Generator: *See*—
Double aperture generator. Microwave generator.
Generator for electric fences, Voltage pulse. J. T. Westin. 2,560,056, July 10.
Glove, Golf. E. H. Patterson, Jr. 2,559,788, July 10.
Glow discharge device. W. G. Stieritz. 2,560,348, July 10.
Glow discharge voltage control device. V. L. Holdaway. 2,560,346, July 10.
Golf tee carrier. R. G. Cheney. 2,560,414, July 10.
Grease mop for griddles. D. C. Steward. 2,560,008, July 10.
Grill, Stove. A. A. Danielsen. 2,559,710, July 10.
Grommet. J. de Swart. 2,559,759, July 10.
Grommet inserting mechanism. E. A. Brickman. 2,559,847, July 10.
Groove cutting or inletting tool. L. N. Niccolls. 2,559,987, July 10.
Grounded phase selector. C. G. Dewey. 2,560,217, July 10.
Gun turret. R. E. Duplessis. 2,559,714, July 10.
Hairband. B. R. Baker and F. C. Zartman. 2,560,267, July 10.
Hairpin clip. C. W. Renstrom. 2,559,797, July 10.

Hairpin dispenser. A. McKinney, Sr., and A. McKinney, Jr. 2,559,826, July 10.
Halo-alkylphenol stabilizers for synthetic rubber. H. E. Albert. 2,560,044, July 10.
Halogenated tertiary alkyl sulfides and polysulfides. L. T. Eby. 2,560,421, July 10.
Halomethyl derivatives of acedianthrones and preparing the same. S. Coffey, D. A. W. Fairweather, F. Lodge, and J. Wardleworth. 2,559,596, July 10.
Halomethyl derivatives of dibenzanthrone, isodibenzanthrone and chlorodibenzanthrone, and preparing the same. S. Coffey, F. Lodge, and J. Wardleworth. 2,559,597, July 10.
Halter weapon for cattle. H. C. Cook. 2,559,598, July 10.
Hammer, Spring. E. Roučka and F. Streit. 2,560,205, July 10.
Hand or power-operated mechanism. G. D. McVicker and E. L. Holston. 2,560,465, July 10.
Handle: *See*—
Locking latch handle.
Handle with recess for pivoted blades. H. P. Parrigin and I. W. McAteer. 2,559,993, July 10.
Hanger and bed tag for hospital beds, Clothes. J. L. Tarvin. 2,560,494, July 10.
Hat holder. M. and I. L. Bard. 2,559,899, July 10.
Hat manufacture. E. H. Eakland. 2,560,508, July 10.
Heat exchange unit for refrigeration. H. W. Kleist. 2,560,453, July 10.
Heat-stable plasticized aminotrinzine resin compositions. H. J. West and H. M. Enterline. 2,560,319, July 10.
Heater: *See*—
Pebble heater.
Heater for coffee urns, Automatically controlled water. R. G. Bright. 2,559,931, July 10.
Heating, deaerating, and purifying water. C. E. Joos and A. E. Kittredge. 2,560,226, July 10.
Heating system control. V. N. Tramontini. 2,559,810, July 10.
Heating system, Heating. F. W. Gay. 2,559,870, July 10.
Hiccup treating apparatus. T. D. Assmar. 2,560,404, July 10.
High and low frequency control for amplifier circuits. R. A. Makepeace. 2,559,888, July 10.
High frequency waves in a liquid medium, Production of. F. G. Firth. 2,559,864, July 10.
Hinged oar lock. N. Bjork. 2,559,929, July 10.
Hobbyhorse having changeable gait. B. C. and C. A. Reynolds. 2,559,798, July 10.
Hog machine having rotary cutter and feed conveyer. I. S. Becker. 2,559,701, July 10.
Hoist, Ship. A. Slater. 2,559,832, July 10.
Hoisting device, Load. R. O. and R. F. Pitman. 2,559,733, July 10.
Holder: *See*—
Cosmetic pencil holder. Paper roll holder.
Hat holder. Resilient clamp newspaper and magazine holder.
Instrument holder.
Lipstick holder. Shirt holder.
Mason's line holder. Specimen receptacle holder.
Mop head holder. Toothbrush holder.
Holder and scraper attachment for paint cans, Brush. J. L. Kosorok. 2,560,228, July 10.
Holder for vehicle loading skids. R. H. Dobbs. 2,559,712, July 10.
Holder for viewers, Microcard. B. L. Elle and J. C. Haelen. 2,559,858, July 10.
Holding yarn ends. P. Schoenster and R. Schmollinger. 2,560,484, July 10.
Hook: *See*—
Pivoted snap hook.
Hopper car door frame. G. B. Dorey. 2,559,760, July 10.
Hopper shaker plate and comb assembly. W. B. Rogers and E. D. Coffin. 2,560,480, July 10.
Horn, Electric sound. J. M. Aufiero. 2,560,323, July 10.
Hot tube drying. W. C. Ham, O. A. Hitt, and M. Kiachif. 2,560,341, July 10.
House structure adapted for interior temperature controls. F. W. Gay. 2,559,868, July 10.
House structure and heating system therefor. F. W. Gay. 2,559,869, July 10.
House structure and heating system therefor. F. W. Gay. 2,559,871, July 10.
Hydraulic device for damping oscillations for spring suspensions of vehicles and the like. M. Katz. 2,559,632–3, July 10.
Hydraulic power unit. A. F. Habenicht. 2,560,285, July 10.
Hydraulic steering for six-wheel bogies. R. M. Webster, Jr. and J. Thomas. 2,560,501, July 10.
Hydrocarbon plasticizers for oil-resistant polymers. A. M. Gessler. 2,560,339, July 10.
Hydrocarbon synthesis. H. T. Baker. 2,560,325, July 10.
Hydrocarbon synthesis operation, Two stage. C. E. Heminger. 2,560,344, July 10.
Hydrodesulfurization process. P. W. Cornell. 2,560,415, July 10.
Hydrophone mounting. L. Batchelder. 2,560,066, July 10.
Hydroxy cyclammonium quaternary salts, Producing. E. J. Van Lare and L. G. S. Brooker. 2,559,907, July 10.
Ice cream dispenser. R. L. Arthur. 2,559,840, July 10.
Ice gripper for vehicle wheels. J. J. Kruse. 2,559,721, July 10.
Improved drilling mud composition. G. G. Wrightsman. 2,560,380, July 10.
Indexing control means. E. L. Steed. 2,560,395, July 10.
Indexing mechanism. A. F. Rehnberg and J. Nelson. 2,560,475, July 10.
Indicating device. R. A. Pirie. 2,560,304, July 10.
Indicator: *See*—
Airplane proximity indicator. Electronic speed indicator.
Dull bit indicator. Weight and center of gravity indicator.
Inhibition of ice formation in fuels. L. J. Richards and K. R. Williams. 2,560,368, July 10.
Insole with moisture absorbing agent, Shoe. H. Miller and A. Kledish. 2,560,120, July 10.
Instrument, Child's musical. J. A. Links. 2,559,777, July 10.
Instrument damping system. F. R. Sias. 2,560,257, July 10.
Instrument for and method of geophysical exploration. B. S. Bjarnason. 2,559,586, July 10.
Instrument holder. S. H. Sherman. 2,559,739, July 10.
Instrument, Pulsed distance measuring. A. F. Hasbrook. 2,560,289, July 10.
Insulating materials, Electrical. P. P. Peyrot and L. J. Dumoulin. 2,559,791, July 10.
Insulator for coils. E. V. Schneider. 2,559,803, July 10.
Intercommunication telephone system. L. V. Marks and D. W. Briscomb. 2,559,778, July 10.
Interlocking phonograph turntable cover. H. H. Mueller. 2,559,786, July 10.
Internal collapsible chuck. S. L. Casella. 2,559,942, July 10.
Interpolymers of polyolefinic 2-alkenyl olefinic alcohol esters with crotonaldehyde. P. O. Tawney. 2,560,495, July 10.
Ironing board with foldable legs and a sleeveboard attachment. J. A. Ludlow. 2,559,887, July 10.
Irrigation and drainage pump. F. P. Morgan. 2,559,785, July 10.
Isolation of an organic sulfur compound from asparagus. E. F. Jansen. 2,559,625, July 10.
Jointed flexible level. A. A. Howell. 2,559,961, July 10.
Journal box. F. Noe. 2,560,183, July 10.
Keyboard sealing means. G. W. Hopkins. 2,559,820, July 10.
Key case. H. C. Craig and W. E. Keen. 2,559,946, July 10.
Kiln for bricks. J. R. Clark. 2,559,595, July 10.
Knee lock for artificial limbs. J. E. Hanger, III. 2,560,286, July 10.
Knife, Sheathed. J. G. Truesdell. 2,559,689, July 10.
Label feeding and holding means for sewing machines. G. J. Plopper. 2,560,186, July 10.
Ladder and hand truck, Combination. A. H. Hanson. 2,560,342, July 10.
Ladder, Extension. J. L. Painter, Jr. 2,559,992, July 10.
Ladder, Safety escape. E. W. Litten. 2,560,457, July 10.
Laminar product of polymerized vinyl chloride resin and comminuted cork and manufacturing the same. A. B. Dodge. 2,560,420, July 10.
Laminated magnetic core. C. P. Hayes. 2,560,224, July 10.
Latch. W. M. Scarborough. 2,559,736, July 10.
Latch for ironing tables, Leg locking. G. O. Miller. 2,560,300, July 10.
Laterally movable car door. F. Ditchfield. 2,560,419, July 10.
Laundry apparatus for washing and centrifuging clothes. T. P. Calhoun. 2,559,708, July 10.
Layout vernier. J. W. Joseph. 2,559,966, July 10.
Letter sheet and return postal card or envelope, Combined. S. R. Larzelere. 2,559,776, July 10.
Light: *See*—
Liquid tight indication Runway marker light.
light.
Light distributor and wiring conduit for elongated tubular lamps, Combination. M. H. Kruger. 2,559,641, July 10.
Lighting fixtures, Decorative. L. W. Brooks. 2,559,706, July 10.
Lipstick holder. R. F. Matthews. 2,559,889, July 10.
Liquid dispenser. N. S. Waterman. 2,560,377, July 10.
Liquid explosive consisting of a nitroparaffin and N-dodecane. J. A. Hannum. 2,560,439, July 10.
Liquid fuel burner. S. P. Nemeth. 2,560,364, July 10.
Liquid fuel combustion chamber for turbine units. S. Allen. 2,560,401, July 10.
Liquid tight indication light. S. L. Frank. 2,560,099, July 10.
Load gripper for vehicles such as lift trucks. R. B. Gunn, Jr. 2,560,438, July 10.
Load retaining strip. J. M. Moon. 2,559,783, July 10.
Lock: *See*—
Hinged oar lock. Sash lock.
Lock control, Door. J. H. Roethel. 2,560,477, July 10.
Lock washer. D. V. Stellin. 2,559,833, July 10.
Locking latch handle. R. S. Senseman. 2,559,681, July 10.
Locking mechanism, Drawer. C. M. Abrahamson. 2,559,579, July 10.
Locking mechanism for convertible tops. E. E. Lundberg and T. Vigmostad. 2,560,459, July 10.
Loom harness. J. J. Kaufmann. 2,560,512, July 10.
Looping machine, Circular. R. Grandnom. 2,560,435, July 10.

Loud-speaker with flexible diaphragm mounting. A. L. Witchey. 2,560,379, July 10.
Lowering device, including rocket decelerator, Safety. J. M. Jackson. 2,560,445, July 10.
Lubricant control for journal boxes or the like. A. W. Kemp. 2,560,451, July 10.
Lubricant, Friction material. R. W. Brown. 2,560,051, July 10.
Lubricating oils, Production of. G. Riethof, C. W. Montgomery, and G. P. Brown, Jr. 2,560,479, July 10.
Lubricating system. E. G. Mangels. 2,560,461, July 10.
Lubrication system. A. R. Maier. 2,560,233, July 10.
Luminaire with glare shielding means for producing an optimum distribution of light on a work surface. L. C. Doane. 2,560,281, July 10.
Machine for and method of manufacturing valve bags. W. F. Grupe and A. P. Bamford. 2,559,873, July 10.
Machine for assembling box blanks. L. Triolo. 2,560,315, July 10.
Machine for attaching tickets. F. H. Ogden. 2,559,828, July 10.
Machine for automatically packaging articles. C. Hettinger. 2,559,819, July 10.
Machine for forming concrete pipes. F. L. Fitzpatrick. 2,560,426, July 10.
Machine for making double-stitched gloves. H. Ginsberg. 2,560,100, July 10.
Machine for testing the quality of carbon paper, inking ribbons, and the like. J. Strobosch. 2,560,010, July 10.
Machine tool positioning mechanism. W. K. Andrew and A. H. Fotsch. 2,559,839, July 10.
Magnetic compass compensation device. E. M. McNatt. 2,560,464, July 10.
Magnetic core comprising leg, yoke, and corner laminations. W. C. Sealey. 2,560,003, July 10.
Magnetometer, Unbalanced. O. H. Schmitt. 2,560,132, July 10.
Magneto-optical transducer system. A. W. Friend. 2,560,430, July 10.
Magnifier, Stereoscopic. G. L. Bahre. 2,559,698, July 10.
Making asphalt covering units. J. B. Kalin. 2,559,879, July 10.
Making N-aryl thiazylsulfenamides. G. E. P. Smith, Jr., and E. L. Carr. 2,560,020, July 10.
Making precision resilient bushing. C. E. Workman. 2,560,023, July 10.
Making safety tubes. C. J. Burkley. 2,559,591, July 10.
Malonaldehyde oximes, Preparation of. R. F. Kleinschmidt. 2,560,227, July 10.
Manganese electrowinning process. W. L. Hammerquist. 2,559,874, July 10.
Mark tester. R. B. Johnson. 2,559,627, July 10.
Marker buoy for air or surface craft. B. C. Grieb. 2,559,918, July 10.
Mason's line holder. R. Anders. 2,559,697, July 10.
Mass production method of, and apparatus for, making reelable magnetic phonograph records. E. E. Masterson. 2,560,234, July 10.
Matrix delivery means for typographical line composing machines. H. R. Freund. 2,560,517, July 10.
Mattress, Compressible sectional. A. Hay and S. R. McLeod. 2,559,956, July 10.
Measuring system, Interval. J. Mofenson. 2,560,124, July 10.
Meat aging unit. B. E. Williams. 2,560,057, July 10.
Mechanical device for producing a progressively decreasing force the initial value of which is considerable. G. A. Vanmalcot. 2,560,399, July 10.
Mechanical transmission. A. C. M. H. Coponat. 2,560,216, July 10.
Mechanism for successively producing bag lengths from continuously advancing tubular webs. A. Potdevin and R. P. Bechle. 2,560,473, July 10.
Mechanism for the manufacture of elastic shape-knitted articles. F. and H. Stolle. 2,560,311, July 10.
Melamine, Manufacture of. R. H. Hartigan. 2,559,617, July 10.
Metalliferous monazo dyestuffs. H. H. Bestehorn and W. Schmidt-Nickels. 2,560,502, July 10.
Metering method and means. J. H. Ramser. 2,559,900, July 10.
Microphone, Close talking. A. H. Kettler. 2,560,354, July 10.
Microscope adjustment mechanism. A. A. Gradisar. 2,560,169, July 10.
Microwave generator. R. S. Bailey. 2,559,582, July 10.
Mild oxidation of carbonaceous solids. B. E. Roethell. 2,560,478, July 10.
Mining machine. E. I. Dansereau. 2,559,711, July 10.
Mixer. W. J. Bloomer. 2,560,069, July 10.
Mold: *See*—
Concrete pipe mold.
Mold chaplet. F. P. Snyder and R. S. Hendry. 2,560,258, July 10.
Mold for centering lenses in plastic mountings. H. G. Fay. 2,559,860, July 10.
Mold for centering relatively large uncentered lenses in plastic mountings. H. G. Fay. 2,559,861, July 10.
Mold for type casting machines. J. J. Christman and F. D. Klapproth. 2,560,503, July 10.
Molded pulp corner protector. A. H. Risch. 2,560,249, July 10.
Molding machine. J. L. Legere. 2,559,647, July 10.
Molding machine, Pulp. M. P. Chaplin. 2,559,945, July 10.
Mop head holder. H. E. Lindstrom. 2,559,722, July 10.
Motor: *See*—
Vibratory motor.
Motor construction, Synchronous electric. E. O. Schweitzer, Jr. 2,559,738, July 10.
Motor control system, Starter. D. L. Dodge. 2,560,094, July 10.
Motor drive, Synchronized. T. C. Sharp. 2,560,485, July 10.
Motor having spring-and-latch valve-reversing means, Shaft-oscillating fluid-actuated. C. E. Bannister. 2,559,842, July 10.
Mounting: *See*—
Hydrophone mounting. Tractor seat mounting.
Mounting assembly for refrigerative air conditioners. P. B. Moore. 2,560,467, July 10.
Mounting device, Cushion. R. W. Fernstrum. 2,560,098, July 10.
Mounting strap for interchangeable wiring devices. V. R. Despard. 2,560,506–07, July 10.
Mower, Power. W. H. Phelps. 2,559,897, July 10.
Multihead dry shaving apparatus. V. and W. Kobler. 2,559,772, July 10.
Multiple gas burner. A. E. Martois. 2,559,979, July 10.
Music page and hinged corner tab therefor. D. R. McPherson. 2,559,726, July 10.
N-isobutenyl-2-benzothiazole sulfenamide. G. E. P. Smith, Jr. 2,560,021, July 10.
N,N'-piperazino bis-sulfenamides. G. E. P. Smith, Jr. 2,560,032, July 10.
Needle structure. G. W. Ferguson. 2,560,162, July 10.
Nondiscoloring antioxidants for natural rubber and synthetic rubbers. L. J. Kitchen and J. C. Ambelang. 2,560,028, July 10.
Nonsaturated aldehydes, Manufacture of. H. M. Guinot. 2,560,103, July 10.
Nose construction for model airplanes. W. H. Lanier. 2,559,882, July 10.
Nozzle, Adjustable. C. B. Curtis. 2,560,278–9, July 10.
Nozzle, Vapor or fog. L. M. Button, P. G. Trowbridge, and J. J. Schrink. 2,559,592, July 10.
Nut butters. B. R. Harris and M. H. Joffe. 2,560,509, July 10.
1-benzhydryl-3-acylureas and producing same. R. Duschinsky. 2,560,522, July 10.
1-halo-3-trihalopropyl ethers, Preparation of. S. A. Glickman. 2,560,219, July 10.
1,2-diolefins as modifiers in the alkali-metal-catalyzed polymerization of conjugated diolefins. W. W. Crouch. 2,559,947, July 10.
Opal glass composition. S. D. Stookey. 2,559,805, July 10.
Opener, Reciprocating plunger type bottle. H. L. Blum. 2,559,845, July 10.
Operating internal-combustion engines and the performance of that method. P. X. Spillane. 2,560,197, July 10.
Optical objective system comprising a positive member and a negative auxiliary member. H. F. Bennett. 2,559,844, July 10.
Optical system and alignment means therefor. H. Rinia and L. M. L. J. Leblans. 2,559,799, July 10.
Optical system comprising a positive member and a weak auxiliary member. R. Kingslake and H. F. Bennett. 2,559,881, July 10.
Overcurrent protective system for motor circuits. F. T. Foshee. 2,559,913, July 10.
Oxygen process. H. J. Ogorzaly. 2,560,469, July 10.
Pad: *See*—
Automobile crash pad.
Paintbrush wiper. T. C. Tims. 2,560,398, July 10.
Pallet. P. S. Bolton and J. J. Aid. 2,559,930, July 10.
Paper dispenser. E. Agamaite, Jr. 2,560,061, July 10.
Paper holder for draftsmen. J. W. Wilt. 2,559,744, July 10.
Paper roll holder. E. O. Bulman. 2,559,937, July 10.
Parachute. P. F. Smith. 2,559,804, July 10.
Parking system, Aerauto. R. Mauriell, Sr. 2,560,393, July 10.
Partition, Safety. J. W. Held. 2,560,106, July 10.
Pebble heater. H. J. Hepp and M. O. Kilpatrick. 2,559,957, July 10.
Phonograph pickup, Magnetic. E. E. Masterson. 2,560,358, July 10.
Photographic contact printing apparatus. J. E. Griffin. 2,559,766, July 10.
Photographic copying apparatus. E. L. Johnson. 2,559,770, July 10.
Photographic objective comprising five components in axial alignment, High aperture corrected. G. H. Aklin. 2,559,836, July 10.
Photographic product and process. E. H. Land. 2,559,643, July 10.
Pipe bowl cleaner. D. H. Paludan. 2,559,994, July 10.
Pipe fitting. L. Kennon. 2,560,114, July 10.
Pipe for smoking tobacco. W. E. Lindorfer. 2,560,231, July 10.
Pipe laying cradle. S. A. Bergman. 2,559,703, July 10.
Pipe wiper with improved central passage arrangement and seal section assembly. S. W. Meek. 2,559,782, July 10.

Piston for internal-combustion engines. R. E. Sharp. 2,560,253, July 10.
Piston seal boot. L. A. Kempton. 2,560,294, July 10.
Pitch propeller, Variable. E. C. Hatcher. 2,559,767, July 10.
Pivoted jaw wrench. B. P. Kunz. 2,559,973, July 10.
Pivoted snap hook. L. M. Regan and B. S. Minor. 2,559,999, July 10.
Planter. A. L. Clement. 2,560,086, July 10.
Plate, Variably illumined. P. M. L. Latrobe. 2,560,392, July 10.
Platform for lawn mowers. P. W. Hainke. 2,559,920, July 10.
Platform, Work distributing. G. T. Smith. 2,560,490, July 10.
Plug drain for solvent extraction plants. R. T. Anderson. 2,560,147, July 10.
Pneumatic type opposed contact gauge. J. A. Simkus. 2,560,194, July 10.
Pole, Adjustable. G. H. Hines. 2,560,109, July 10.
Polyfluoroalkanoic compounds and their preparation. K. L. Berry. 2,559,629, July 10.
Polymeric lubricating oils, Preparing. C. W. Montgomery, W. I. Gilbert, and R. E. Kline. 2,559,984, July 10.
Polymerization of butadiene and styrene, Continuous. J. N. Street and R. F. Dunbrook. 2,560,027, July 10.
Polymerization of N-vinyl compounds. D. E. Sargent. 2,560,251, July 10.
Polymerization process. A. D. Green and E. T. Marshall. 2,560,340, July 10.
Polymerization with organic tertiary amine catalysts. J. B. Dickey and H. W. Coover, Jr. 2,559,855, July 10.
Polymers of alkyl α-acyloxyacrylates. W. O. Kenyon, T. T. M. Laakso, and C. C. Unruh. 2,559,635, July 10.
Positioning mechanism for machine tools. J. B. Armitage. 2,560,149, July 10.
Poultry picking machine. G. W. Johnson. 2,560,524, July 10.
Power regulator. W. J. Garmany, Jr. 2,559,611, July 10.
Power-transmission mechanism. H. Sinclair. 2,559,740, July 10.
Press: *See*—
Coil forming press.
Presser-foot mechanism for rug sewing. J. P. Enos. 2,560,334, July 10.
Pressure cooker. W. L. Morrison, Jr. 2,559,728, July 10.
Pressure fluid engine. J. J. Kupka. 2,560,295, July 10.
Pressure operated switch. F. R. Colgan, Jr. 2,560,276, July 10.
Pressure-sealing apparatus for flight conveyers. H. W. Hapman. 2,559,616, July 10.
Pretreatment of catalyst for hydrocarbon synthesis. C. E. Hemminger. 2,560,345, July 10.
Preventing corrosion in wells. R. C. Buchan. 2,560,331, July 10.
Printing plate and treatment thereof, Planographic. F. H. Frost. 2,559,610, July 10.
Processing carbonaceous solids. M. H. Arveson. 2,560,403, July 10.
Producing milk of lime and for causticizing green liquor, Method of and means for. R. S. Walker. 2,560,016, July 10.
Producing water-repellent gypsum sheathing board. T. P. Camp. 2,560,521, July 10.
Projectile. H. H. Hartwell. 2,559,955, July 10.
Projector for displaying images carried by an intermittently rotatable wheel, Light. A. Gruenhut. 2,560,390, July 10.
Prop, Clothesline. J. T. Bateman. 2,560,150, July 10.
Protection mask against poisonous gases and dust. M. Christensen. 2,560,215, July 10.
Protector: *See*—
Molded pulp corner protector.
Protein solutions, Preparation of. J. R. Caldwell. 2,559,848, July 10.
Puller and driver, Universal stud. R. A. Valvano. 2,560,012, July 10.
Pulse analyzer. W. E. Glenn, Jr. 2,560,166, July 10.
Pulse communication system, Multichannel electrical. A. H. Reeves. 2,559,661, July 10.
Pulse multiplex system. V. D. Landon. 2,559,644, July 10.
Pulse shaping circuit. W. E. Glenn, Jr. 2,560,167, July 10.
Pulse widener and marker separator. L. Dubin. 2,559,606, July 10.
Pump: *See*—
Irrigation and drainage Variable stroke pump.
pump.
Pump. C. M. McAllister. 2,559,980, July 10.
Pump valve. W. J. Redman. 2,559,659, July 10.
Pumping machine, Pickle. W. M. Zwosta. 2,560,060, July 10.
Pumping system, Hydraulic. J. W. F. Holl. 2,560,441, July 10.
Purification of titanium tetrachloride. H. Espenschied. 2,560,423, July 10.
Purifying N-methyl-p-aminophenol. J. L. Patterson, J. E. Beach, and G. F. Feldbauer, Jr. 2,559,896, July 10.
Rack: *See*—
Collapsible rack.
Rack or tray for shelves. H. C. Fay and C. J. Donovan. 2,560,161, July 10.
Radio and intercommunication apparatus and system. O. Plawczyk. 2,559,898, July 10.
Radio receiver for multiple signals. D. H. Mitchell. 2,560,121, July 10.
Radio scanner control. F. C. Williams and A. I. Llewelyn. 2,559,834, July 10.
Radio transmitter-receiver, including shielding chassis and plug-in stages. M. R. Winkler. 2,560,320, July 10.
Raft holding and release apparatus. G. Sipkin. 2,559,682, July 10.
Railroad brake slack adjuster. W. O. Martin. 2,559,779, July 10.
Range structure. L. E. Mendel, F. J. Port, and C. L. Turner. 2,559,890, July 10.
Raw fish treating process. M. Trudel. 2,560,011, July 10.
Razor, Safety. H. F. Shannon. 2,560,004, July 10.
Reaction products of nitriles. E. Zerner and M. W. Pollock. 2,559,835, July 10.
Receptacle: *See*—
Collapsible receptacle.
Reclaiming rubber with phenol sulfoxides. W. S. Cook. 2,560,050, July 10.
Reclaiming rubbers with reaction product of polyalkylcyclohexanol and sulfur chloride. W. S. Cook. 2,560,048, July 10.
Recorder apparatus, Spark. T. A. Rich. 2,560,247, July 10.
Recorder, Keyboard operated magnetic. L. M. Potts. 2,560,474, July 10.
Recovery and purification of durene. A. J. Shmidl. 2,560,373, July 10.
Recovery of alumina from alumina-containing ores. C. L. Mooney. 2,559,653, July 10.
Recovery of lubricating oil from solvent extracts. W. C. Jones, Jr. 2,560,448, July 10.
Reduction and melting of ores with gaseous fuel. H. J. Ogorzaly. 2,560,470, July 10.
Reel spindle adapter knob. M. H. Hutt. 2,560,225, July 10.
Reenforcing rubberlike materials. E. Schmidt. 2,560,043, July 10.
Refining kerosene with bauxite and sulfur dioxide. R. C. Brandon. 2,560,330, July 10.
Refrigerator system for produce stands. H. Y. Stebbins. 2,560,309, July 10.
Regenerating mercaptan solvent. J. H. Krause and T. B. Tom. 2,560,178, July 10.
Regulator: *See*—
Automatic strand feed regulator. Power regulator.
Resilient clamp newspaper and magazine holder. R. L. Kelly. 2,559,822, July 10.
Resin bonded abrasive articles, Making. K. G. Ries and G. J. Goepfert. 2,559,665, July 10.
Resinous compositions and making same. T. J. Suen. 2,559,578, July 10.
Resinous reaction product of aromatic amine and melamine-formaldehyde. R. Lindenfelser. 2,559,976, July 10.
Retractile roller assemblage. L. J. Edhlund. 2,559,856, July 10.
Reversible variable-speed and variable-torque transmission mechanism. L. Pease. 2,560,126, July 10.
Revolver, Gas piston operated. R. Kauch. 2,560,292, July 10.
Ribbon cable. J. Kruithof and M. Jochem. 2,559,642, July 10.
Ribbon, Twisted bow hair. I. V. Dolphin. 2,560,095, July 10.
Rocker arm thrust bearing. C. N. Pitts and H. Shauger. 2,560,244, July 10.
Rotary atomizing liquid fuel burner. F. Pietri. 2,559,792, July 10.
Rotary fluid mechanism. A. E. Brown. 2,559,590, July 10.
Rotary hoe wheel. E. A. McCardell. 2,560,359, July 10.
Rubber and carbon black mixes directly from natural rubber latex. J. McGavack and C. E. Linscott. 2,560,235, July 10.
Rubber antioxidants. A. S. Briggs and J. Haworth. 2,559,932, July 10.
Rubber vulcanization. G. E. P. Smith, Jr. 2,560,045, July 10.
Rubbery mixture of butadiene-styrene copolymer and polybutadiene. D. C. Cline. 2,560,031, July 10.
Rudder for tailless airplanes. A. J. Klose. 2,559,823, July 10.
Runway marker light. K. F. Gausch. 2,560,432, July 10.
Rust inhibiting composition. J. C. Zimmer, G. W. Duncan, and C. E. Paxton. 2,560,202, July 10.
Safety device for hoist platforms. R. F. Warry. 2,560,500, July 10.
Safety scissors box. P. W. and I. T. King. 2,559,636, July 10.
Sander. J. E. Guinn. 2,560,102, July 10.
Sash lock. C. J. Cantello. 2,560,274, July 10.
Saw package. T. E. Carr. 2,560,383, July 10.
Saxophone. W. S. Bullock. 2,560,083, July 10.
Scaffold, Window. S. M. Moats. 2,560,122–3, July 10.
Scarifier. C. W. Kelsey. 2,560,352, July 10.
Screen: *See*—
Window roller screen.
Screen determiner, Half-tone. A. H. Gaebel. 2,559,915, July 10.
Screw-threading machine. K. Künzi. 2,559,775, July 10.
Seal. A. H. Edwards. 2,559,857, July 10.

Sealing door. L. Spraragen. 2,560,308, July 10.
Sealing machine attachment for gummed tape dispensers. A. Avrick. 2,560,065, July 10.
Sealing means for bolted storage tanks. R. G. De La Mater. 2,650,092, July 10.
Seat and umbrella case, Foldable. P. Blum. 2,560,079, July 10.
Seat for baby buggies and fastening means therefor, Auxiliary. W. H. and B. R. Long. 2,560,458, July 10.
Seat which can be carried as a cane, Folding. V. Jansen. 2,560,447, July 10.
Seeder attachment for tractors. C. A. Garber. 2,560,431, July 10.
Seeder, Lawn. R. N. Doble. 2,560,093, July 10.
Self-locking mechanism. R. B. Houplain. 2,559,960, July 10.
Self-lubricating bearing. B. Schroeter. 2,560,134, July 10.
Separating carboxylic acids resulting from the liquid phase oxidation of oleic acid. R. M. Cavanaugh and R. H. Weir. 2,560,156, July 10.
Separator: *See*—
Dry wash ore separator.
Set screw with key extension. N. A. Bottome. 2,560,080, July 10.
7-hydroxyphenothiazone-3, Preparation of. D. F. Houston and E. B. Kester. 2,559,624, July 10.
Sewage treatment. J. G. Bevan. 2,559,704, July 10.
Sharpener for flexible double-edged razor blades. T. F. Williams. 2,560,201, July 10.
Sheet metal snap fastener. H. T. Burdick. 2,560,530, July 10.
Sheet piler. F. K. Schefe. 2,560,252, July 10.
Shelf mounting structure. H. T. Burdick. 2,560,211, July 10.
Shield for shoe racks. H. A. Tomarin. 2,560,314, July 10.
Shield for television tubes. R. A. Fisch. 2,560,336, July 10.
Shield for welders, Head. J. F. Rakos. 2,559,795, July 10.
Shiftable rotary stud fastener. W. A. Bedford, Jr. 2,560,519, July 10.
Ship. L. H. Blount. 2,560,133, July 10.
Shirt holder. C. O. L. Mannervik. 2,560,298, July 10.
Shock absorber for railway car trucks. W. E. Withall. 2,559,745, July 10.
Shock absorber, particularly for aircraft landing gears, Retractable. M. Katz. 2,559,967, July 10.
Shock absorbing device for vehicles. M. Katz. 2,559,968, July 10.
Shock absorbing mechanism for railway draft riggings. K. Williams. 2,559,743, July 10.
Shoe and making the same. O. N. Foust. 2,559,609, July 10.
Shoelace packaging. K. H. Andren. 2,560,205, July 10.
Shoulder rest double-arm sling. M. C. Peterson. 2,560,243, July 10.
Shower head. C. H. Nordell. 2,559,894, July 10.
Sight for archers' bows. J. J. Beloungy. 2,559,927, July 10.
Sign: *See*—
Deck sign.
Sign. R. W. Mallary. 2,560,117, July 10.
Sign unit, Preformed. H. G. Buck. 2,559,756, July 10.
Signal system, Seat mutilation. H. J. Ballam. 2,560,268, July 10.
Signaling counter. A. R. Litrell. 2,559,723, July 10.
Skate, Roller. W. Ware. 2,560,017, July 10.
Ski, Water. G. L. Lundborg. 2,559,977, July 10.
Slicing machine with vertically reciprocating cutter. R. E. Leavens. 2,560,229, July 10.
Slide fastener brief case. H. J. and G. G. Guenther. 2,560,437, July 10.
Slip cushion coupling. F. H. H. Foss. 2,560,427, July 10.
Smoker's accessory. I. R. Linnard. 2,560,230, July 10.
Snow and ice melting device for vehicles. J. L. Hamblin. 2,560,221, July 10.
Socket assembly, Resilient. J. F. Byrd and P. W. Wildow. 2,560,212, July 10.
Socket, Dual pack-off. D. D. Pilgrim and J. J. Meagher. 2,559,997, July 10.
Soda fountain and ice-cream cabinet, Combination. A. K. Smith. 2,560,488, July 10.
Solid compositions containing polyoxyethylene aliphatic amines and amides. G. E. Barker. 2,559,584, July 10.
Solid compositions containing polyoxyethylene esters. G. E. Barker. 2,559,583, July 10.
Solid fuel agglomerates, Production of. H. Z. Martin and K. J. Nelson. 2,560,357, July 10.
Solution and method for coating zinc surfaces. C. T. Watson. 2,559,812, July 10.
Specimen receptacle holder. E. E. and D. C. Trichel. 2,560,199, July 10.
Speed governor mechanism for aircraft internal-combustion turbine engines. F. H. Carey. 2,559,938, July 10.
Sphygmomanometer. R. H. Miller. 2,560,237, July 10.
Spinning device. E. S. Reid. 2,559,734, July 10.
Spray drier. J. E. Nyrop. 2,559,989, July 10.
Sprayer, Thermally actuated. J. T. Efford. 2,560,523, July 10.
Spring dampener. J. L. Sjolander. 2,559,903, July 10.
Spring fastening device. S. T. Shears. 2,560,486, July 10.
Square and compass, Combined. M. E. Peeples. 2,560,127, July 10.
Stabilization of airplanes having highly swept-back wings. J. K. Northrop. 2,559,827, July 10.
Stabilization of aqueous amine solutions against oxidation and corrosion in gas separation processes. B. T. Alexander. 2,559,580, July 10.
Stabilization of polyacrylonitrile solutions. M. Q. Webb. 2,560,053, July 10.
Stabilization of polymeric resins with bismuth salts. F. S. Deutsch and L. H. P. Weldon. 2,560,160, July 10.
Stabilization of rubbery compositions. L. J. Kitchen. 2,560,037, July 10.
Stabilized leaded gasolines. H. G. Smith and T. L. Cantrell. 2,560,489, July 10.
Stabilizing microwave oscillations, Method of and systems for. L. E. Norton. 2,559,730, July 10.
Stabilizing red phosphorus. S. Skolnik and G. L. Bridger. 2,559,684, July 10.
Stabilizing the foam of malt beverages. H. H. Geller. 2,559,612, July 10.
Stack cover mechanism. J. W. Boswell and H. W. Waters. 2,560,272, July 10.
Stagewise fluidizing reduction of zinc compounds. J. C. Kalbach. 2,559,631, July 10.
Stand: *See*—
Collapsible telescope stand. Foldable golf bag stand.
Standpipe turning device. L. I. Kennedy. 2,560,113, July 10.
Starting device for rodeo contestants. J. E. Lucas and C. H. Dossey. 2,560,116, July 10.
Storage of liquid fuels. E. Berl. 2,560,152, July 10.
Strand twisting machine. I. S. Roberts. 2,559,735, July 10.
Strap tensioning and sealing device. X. Kuoni. 2,560,456, July 10.
Stretching plastic sheets, Process and apparatus for continuously. J. E. Trainer. 2,560,038, July 10.
Strip for fluorescent lamps. M. H. Kruger. 2,559,639, July 10.
Sulfonamides, Preparing. R. Oppenauer. 2,560,240, July 10.
Sulfonic acid compounds, Preparation of. L. W. Beck, A. R. Gilbert, and J. K. Wolfe. 2,559,585, July 10.
Sulfur-halogen compound. H. W. Rudel. 2,560,371, July 10.
Sun visor for cabriolets. C. S. Aspenwall. 2,559,841, July 10.
Supersonic apparatus. H. C. Hayes. 2,559,618, July 10.
Support for elements of superheaters and other heat exchangers. W. H. Armacost. 2,560,063, July 10.
Support for invalids, Portable. B. Ames. 2,560,062, July 10.
Support for sleeping car berth or the like. J. C. Lyon. 2,560,513, July 10.
Surge arrester for air lines. N. O. H. Sidenmark. 2,560,136, July 10.
Sweep generation. R. M. Page. 2,559,657, July 10.
Swimming trunks. D. Seidner. 2,560,192, July 10.
Switch: *See*—
Automatic oil tank switch. Pressure operated switch.
Switching device, Line. J. A. Pollock and J. L. Turner. 2,560,472, July 10.
Switching key with roller actuating means. W. S. Babcock, Jr. 2,560,324, July 10.
Switching system, Selector. J. I. Bellamy. 2,559,702, July 10.
Synthesis of organic compounds. L. R. Hill. 2,560,171, July 10.
Synthesis of oxygenated organic compounds. J. K. Mertzweiller and J. J. Owen. 2,560,360, July 10.
Synthetic resin and making same. T. R. McElhinney. 2,560,299, July 10.
Tablet, Hand cleaning. C. L. Emerson, Jr., and W. R. Cuming. 2,560,097, July 10.
Take-up device. H. J. Stegeman. 2,560,310, July 10.
Tape applicator. K. R. Pangburn and E. T. Skomars. 2,560,241, July 10.
Tape, Insulating. R. J. Oace, R. B. Snell, and E. E. Eastwold. 2,559,990, July 10.
Tapping machine. V. Brook. 2,560,081, July 10.
Telegraph apparatus, Keyboard controlled. A. A. Kirchel. 2,559,637, July 10.
Telephone subset. E. S. McLarn. 2,559,651, July 10.
Telescopic device, Resilient. H. Shawbrook and A. E. Bingham. 2,560,005, July 10.
Television distribution system. W. S. Halstead. 2,559,613, July 10.
Television, Simultaneous color. R. D. Kell and G. C. Szikiai. 2,560,351, July 10.
Television system. A. V. Bedford. 2,559,843, July 10.
Television system, Color. A. N. Goldsmith. 2,560,168, July 10.
Temperature compensated magnetic suspension. G. R. Sturtevant and F. H. Busch. 2,560,260, July 10.
Temperature responsive coupling means for relatively rotatable conduit sections. G. A. Dean. 2,559,851, July 10.
Temporary binder. H. S. Horn. 2,560,110, July 10.
Tenoning machine. J. R. Beeson. 2,560,068, July 10.

Tensiometer. J. J. Ryan, Jr. 2,559,800, July 10.
Terminal structure for coil forms. A. Noyes, Jr. 2,559,988, July 10.
Testing apparatus for indicating and recording elongation. R. Shearer. 2,560,135, July 10.
Testing automotive distributors. P. O. Stewart. 2,560,259, July 10.
Testing machine for washing machine wringers and the like. A. R. Oberwegner. 2,560,185, July 10.
Tetrahydrophthalic anhydride resins. J. W. McCaslin and J. C. Hillyer. 2,560,119, July 10.
Therapeutic bath fluid circulating apparatus. G. A. Schroeter. 2,559,678, July 10.
Thermocouple return bend and well. T. H. Knight. 2,560,455, July 10.
Thermosetting polyester compositions containing dihydroxy diphenyls. T. F. Anderson. 2,559,837, July 10.
Thermosetting polyester compositions containing thiophenols. T. F. Anderson. 2,559,838, July 10.
Thermostatic fluid mixing valve. L. A. Kempton. 2,560,293, July 10.
Thioamides, Preparation of. G. Alliger. 2,560,046, July 10.
Thioamides, Preparation of. C. L. Levesque. 2,560,296, July 10.
Thio-2-furamides. G. Alliger. 2,560,035, July 10.
Threaded juncture and making it. J. Thompson. 2,559,806, July 10.
Three-channel fine-coarse control system. M. Fouassin. 2,560,337, July 10.
Three-control system for aircraft. R. Kendall and J. D. Williams. 2,560,112, July 10.
3,3,5-trimethyl cyclohexanone, Production of. C. E. Morrell, R. F. Robey, and L. M. Welch. 2,560,361, July 10.
Tilting device for Venetian blinds. J. C. Bennett. 2,559,928, July 10.
Timer, Electric. W. M. White. 2,559,910, July 10.
Timing apparatus. T. G. Mueller. 2,560,516, July 10.
Timing device, Automatic. W. Rath. 2,559,796, July 10.
Tire molds, Making. J. L. Miller and J. R. Boughter. 2,560,052, July 10.
Tire retreading and repair material. R. P. Whipple. 2,560,040, July 10.
Titanium dioxide, Production of. I. J. Krchma and H. H. Schaumann. 2,559,638, July 10.
Titanium tetrachloride treatment process. H. Espenschied. 2,560,424, July 10.
Toaster. F. O. Kompass. 2,560,115, July 10.
Toaster, Automatic electric. J. R. Gomersall. 2,560,386, July 10.
Toaster, Automatic electric. B. G. Olving. 2,560,387–9, July 10.
Toaster mechanism, Automatic. W. Thomas. 2,560,261, July 10.
Tongs. J. L. Marco. 2,559,978, July 10.
Tool: *See*—
Groove cutting or inletting tool.
Tool. F. J. Wenger. 2,560,318, July 10.
Toolholder. H. G. Norlander. 2,559,895, July 10.
Toolholder. M. E. Waters. 2,559,742, July 10.
Tooth and blade in mower bar assembly, Detachable. J. F. Hansen. 2,560,222, July 10.
Toothbrush holder. P. J. Fillman. 2,559,863, July 10.
Top for vehicle bodies, Foldable. T. Vigmostad. 2,560,496, July 10.
Towing device for golf bag carts and the like. R. H. McBride. 2,559,981, July 10.
Toy, Animated bird. C. Rouse. 2,560,481, July 10.
Toy device and inclined support, Wheeled. M. Fleishman. 2,559,865, July 10.
Toy figure, Partially expandible. H. M. Wescott. 2,559,909, July 10.
Toy house construction. J. Brunetti. 2,560,155, July 10.
Tracking system and valve therefor. E. A. Blumenthal. 2,559,588, July 10.
Tractor, Adjustable wheel base. T. Brown. 2,559,935, July 10.
Tractor and wheel adjusting mechanism therefor, Powered agricultural. A. de Jouëtte. 2,559,758, July 10.
Tractor seat mounting. M. C. Detwiler. 2,559,853, July 10.
Tractor sight. F. F. Fulton. 2,559,761, July 10.
Trailer ice truck and cooling apparatus for buildings. W. Kagan. 2,559,821, July 10.
Training means for blind navigating systems. R. C. Dehmel. 2,560,528, July 10.
Transfer coating, Process and apparatus for. J. W. Little and C. S. Francis, Jr. 2,559,649, July 10.
Transmission. J. S. Alspaugh. 2,559,922, July 10.
Transmission. J. S. Alspaugh. 2,559,923, July 10.
Transmission control. O. Zancan. 2,560,321, July 10.
Transport device for lawn mowers. J. B. Elliott. 2,560,422, July 10.
Trap: *See*—
Animal trap. Bank robber trap.
Trap. C. E. Armstrong. 2,559,924, July 10.
Trash remover. M. Wullweber. 2,560,264, July 10.
Treating citrus fruit pulp liquor. B. T. Sokoloff and J. B. Redd. 2,559,685, July 10.
Treating of cellulose material. T. Kleinert. 2,560,391, July 10.
Treating raw cashew nut shell liquid. S. Caplan. 2,559,593, July 10.
Treatment of sour petroleum distillates. A. J. Shmidl. 2,560,374, July 10.
Treatment of sugar process water. E. A. Pearson. 2,560,125, July 10.
Trestle bracket. J. E. Anderson. 2,559,696, July 10.
Trimming device. R. C. Mansperger. 2,559,725, July 10.
Trip unit for automatic baling machines. B. A. Vietti. 2,560,143, July 10.
Triple-tool turning head. B. C. Davis. 2,559,950, July 10.
Truck and bunker, Industrial. R. D. Beatty. 2,560,206, July 10.
Truck, Lift. N. Warshaw and R. E. Jeffery. 2,560,146, July 10.
Truck loader. F. F. Matson. 2,560,463, July 10.
Truck, Milking. C. I. Young. 2,560,059, July 10.
Truck with elevator platform, Hand. A. M. Sasgen and F. P. Hopfeld. 2,560,131, July 10.
Truss, Hemorrhoid. A. C. Furr. 2,559,762, July 10.
Tube and rod production. T. G. Wrightson and N. C. Lake. 2,560,058, July 10.
Tube with arc discharge, Gaseous discharge. E. W. Hullegård. 2,559,769, July 10.
Tubes, Making flexible. R. E. Roberts. 2,560,369, July 10.
Tuning aid for radio receivers. J. C. Tellier. 2,560,312, July 10.
Tuning system for radio receivers, Manual. J. C. Tellier. 2,560,313, July 10.
Turbo-supercharger system having controlled inlet and exhaust waste gate. G. I. Holmes. 2,559,623, July 10.
Two-port cooler. W. R. Ramsaur and R. W. Jensen. 2,560,245, July 10.
2,2-bis-(para-allyloxyphenyl) propane miticidal compositions. A. G. Jelinek. 2,560,350, July 10.
Urea-formaldehyde hardened foam, Production of. L. S. Meyer. 2,559,891, July 10.
Vacuum cleaner for motor vehicles. H. H. Miller. 2,559,983, July 10.
Valve: *See*—
Pump valve.
Thermostatic fluid mixing valve.
Valve and seal therefor, Plug type. H. Allen and G. E. Nevill. 2,559,695, July 10.
Valve mechanism, Snap action. F. D. Crow. 2,560,090, July 10.
Vaporizer, Fuel. J. Graziano. 2,560,220, July 10.
Vaporizing type liquid fuel burner. G. C. Peter. 2,560,367, July 10.
Variable stroke pump. T. Edwards. 2,559,952, July 10.
Vat dyes of the azo anthraquinone oxazole series. H. E. Schroeder and J. Deinet. 2,559,669, July 10.
Vat dyes of the azo anthraquinone series. H. E. Schroeder and J. Deinet. 2,559,675, July 10.
Vehicle signal switching means. F. W. George. 2,559,717, July 10.
Vehicle tire spreader. A. J. Guillemette. 2,560,101, July 10.
Vehicular coupler. N. Hudson. 2,559,962, July 10.
Vending machine, Bottle. H. W. Shirley. 2,560,255, July 10.
Vibratory motor. S. A. Denman. 2,559,602, July 10.
Vinyl resin article, composition, and method, Dipped. C. F. Ruebensaal and E. H. Sorg. 2,560,482, July 10.
Voltage dividing circuit. J. W. Gray. 2,560,170, July 10.
Voltage regulating control and apparatus. W. C. Sealey. 2,560,002, July 10.
Voltage regulating system. O. D. Grandstaff. 2,560,284, July 10.
Voltmeter, Recording. R. E. Shrader. 2,560,256, July 10.
Waistband construction. B. Navasky. 2,560,363, July 10.
Wall and room, Insulated. E. Berner. 2,560,269, July 10.
Warm air radiant heated brooder system. V. A. Ream. 2,560,246, July 10.
Washer: *See*—
Lock washer.
Water-soluble tetracene dyestuffs and dyeing employing them. C. Marschalk and J. P. Niederhauser. 2,560,462, July 10.
Wax emulsion. K. G. Arabian. 2,560,148, July 10.
Weatherstrip. S. D. Bradley. 2,560,408, July 10.
Weeding and cultivating attachment for tractors. C. X. Hosford. 2,560,443, July 10.
Weight and center of gravity indicator. E. R. Goodlett and H. W. Wishart. 2,559,718, July 10.
Welt cutting device. A. F. White. 2,559,813, July 10.
Wheel: *See*—
Rotary hoe wheel.
Wheel. J. J. Lange and A. G. Maranville. 2,559,975, July 10.
Wide angle corrected photographic objective comprising four meniscus components in axial alignment. M. J. Herzberger. 2,559,875, July 10.
Windshield wiper, Adjustable sweep angle. R. D. Conklin. 2,560,088, July 10.
Windshield wiper with dynamic brake parking, Electric. C. R. Sacchini. 2,560,000, July 10.
Winding layer wound magnet coils. G. H. Leland. 2,559,824, July 10.

Window actuating mechanism. B. Lermont and L. R. Birdsall. 2,560,179, July 10.
Window for convertible bodies, Rear. F. S. Spring. 2,560,493, July 10.
Window frame and sash. R. Goldberg. 2,559,764, July 10.
Window frame and sash assembly. T. Taxin. 2,560,139, July 10.
Window mount for concrete structures. M. Okazaki. 2,559,656, July 10.
Window roller screen. L. H. Heeren. 2,560,440, July 10.
Window scaffold. S. M. Moats. 2,560,123, July 10.
Window structure, Rotatable. R. H. Smith. 2,560,196, July 10.
Wire connecting devices, Making. L. H. Burns. 2,560,411, July 10.
Work holder device. C. W. Barker. 2,559,925, July 10.
Wrench: *See*—
Pivoted jaw wrench.
Wrench having a pivoted outer jaw. B. P. Kunz. 2,559,974, July 10.
Zinc and cadmium passivating bath. D. M. Johnson. 2,559,878, July 10.

CLASSIFICATION OF PATENTS

ISSUED JULY 10, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Condition of Applications Under Examination at Close of Business June 22, 1951

Total number of patent applications awaiting action, 110,476. Date of oldest new application, July 26, 1950; date of oldest amended application, July 26, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Power Plants (Internal generation, Special motive and mixed fluids)			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	8-1-50	8-3-50	2483
2. HERMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	9-22-50	8-11-50	1447
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Fluid Treatment of Textiles (Apparatus).	10-13-50	10-12-50	1600
4. BISHOP, W. C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	7-28-50	7-28-50	1985
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	10-27-50	10-25-50	951
6. SURLE, H.; Carbon Chemistry (part)	10-6-50	9-14-50	1670
7. GONSALVES, J. E., Optics; Photography (part)	11-20-50	11-18-50	1132
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	8-16-50	8-19-50	1947
9. BRANSON, J. H., (Acting), Pumps and Fans; Fluid Motors	8-24-50	8-24-50	1637
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	8-9-50	8-15-50	1224
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	8-21-50	9-2-50	1017
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	9-13-50	9-1-50	1283
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	7-29-50	7-27-50	1356
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	8-4-50	8-2-50	1568
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	12-8-50	12-1-50	1156
16. LOVEWELL, N. N., Television; Telephony	8-16-50	9-6-50	1330
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	7-28-50	7-29-50	1961
18. KURZ, J. A., Power Plants; Speed Responsive Devices	10-26-50	10-13-50	1228
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	8-7-50	8-7-50	1264
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	8-4-50	8-2-50	1576
21. MADER, R. C., Textiles; Package and Article Carriers	8-1-50	8-1-50	1795
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	8-15-50	8-15-50	1269
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	8-2-50	7-28-50	936
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	11-1-50	11-10-50	1663
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	9-25-50	9-22-50	1458
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	8-21-50	8-22-50	1150
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-23-50	8-23-50	2131
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Springs, Weights, and Horsepower Motors; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	8-23-50	8-8-50	1444
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	8-1-50	8-1-50	1917
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	10-23-50	2-23-50	1696
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	10-2-50	9-30-50	1949
32. NEFF, P. R., (Acting), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	9-21-50	8-4-50	1394
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	9-6-50	8-23-50	2119
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	8-8-50	8-1-50	1350
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	9-1-50	9-1-50	1655
36. McFADYEN, A. D., Measuring and Testing	8-23-50	8-24-50	1362
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	9-23-50	9-20-50	1387
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Composition (part); Rubber, Preserving Apparatus (part).	10-4-50	10-16-50	1187
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves, Water Distribution	8-9-50	8-7-50	2794
40. DRUMMOND, E. J., Receptacles (part); Packages	9-6-50	9-1-50	2686
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	8-14-50	8-7-50	1474

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 110,476. Date of oldest new application, July 26, 1950; date of oldest amended application, July 26, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	8-21-50	8-14-50	2029
43. ASP, N. A., (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	1-6-51	11-2-50	1032
44. HARVEY, L. P., Beds; Chairs, Seats	8-1-50	8-1-50	1560
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	8-1-50	8-4-50	1660
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structure (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	8-19-50	8-12-50	1136
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	9-5-50	9-5-50	1424
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	10-10-50	10-3-50	971
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	9-20-50	9-7-50	1324
50. LEVIN, S., Synthetic Resins	12-22-50	11-15-50	1329
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	8-9-50	7-29-50	1330
52. FELTON, B. H., (Acting), Supports; Joint Packing; Pipe and Rod Joints or Coupling; Tool Handle Fastenings; Pipes and Tubular Conduits.	8-22-50	8-22-50	3276
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	9-30-50	9-25-50	946
54. DOUGLAS, G. R., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-12-50	8-6-50	1685
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	10-5-50	10-13-50	1137
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	10-3-50	10-3-50	1634
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	11-17-50	11-9-50	1006
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	9-8-50	9-7-50	1255
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	9-12-50	9-16-50	1283
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	8-29-50	8-18-50	1402
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	8-4-50	7-29-50	1757
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	8-10-50	8-10-50	1954
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	10-31-50	11-7-50	1410
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	11-24-50	11-24-50	1770
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	9-30-50	9-27-50	1625
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	7-26-50	7-26-50	1312
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	10-4-50	9-25-50	1472
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	9-16-50	9-11-50	1733
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	8-15-50	8-12-50	1448
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	8-17-50	8-1-50	1762
DESIGNS: A. BREHM, G. L., Industrial Arts	3-9-51	3-1-51	777
DESIGNS: B. ANDREWS, D. D., Household, Personal and Fine Arts	1-12-51	3-28-51	1406

Total number of trade-mark applications awaiting action (including renewals and republications), 19,151. Date of oldest new application, October 23, 1950; date of oldest amended application, October 23, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 18, 27, 28, 29, 30, 31, 33, 35, 44, 50, 51, 52	10-27-50	10-24-50	5806
II. SUMMERS, G. S., Classes 19, 21, 22, 23, 24, 25, 26, 34	12-12-50	10-27-50	3039
Renewals (All Classes)	4-20-51	5-23-51	587
Republications (All Classes)	5-1-51	5-23-51	288
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	11-1-50	10-25-50	4784
IV. KEYS, O. M., Classes 2, 16, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	10-23-50	10-23-50	4647

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

GOODALL-SANFORD, INC. *v.* THE LANDERS CORPORATION

No. 5763. Decided February 27, 1951

[187 F.2d 639; 89 USPQ 69]

1. TRADE-MARKS—GOODS OF SAME DESCRIPTIVE PROPERTIES—CLOTHING TEXTILES AND FABRICS FOR WORK GLOVES.

Held that the goods of the respective parties are so different in quality, texture, appearance, and use that it would not be good sense to state that they possess such common properties as to bring them within a liberal interpretation of the phrase "goods of the same descriptive properties."

2. SAME—CONFUSION OF THE PUBLIC—"PALMTEX" AND "PALM BEACH."

Since the marks are not at all alike and the goods to which they are applied are radically different from each other and the manner of purchase and sale so distinctly different, *Held* that this may be concurrently used as applied to the respective goods without likelihood of confusion.

3. SAME—CANCELLATION OF TRADE-MARK REGISTRATION—INCONSISTENT DEFENSES PERMISSIBLE.

Where, in response to appellant's petition for cancellation, the appellee filed a counterclaim seeking cancellation of appellant's mark, *Held* that appellee is not estopped from denying that there is confusing similarity between the marks, since it is clear that under Rule 8 (e) (2) of the Federal Rules of Civil Procedure it is proper to plead inconsistent defenses.

APPEAL from Patent Office. Cancellation No. 4817.

AFFIRMED.

Benjamin Burrows for appellant.

Charles W. Owen (*Owen & Owen* of counsel) for appellee.

JACKSON, *J.*:

This is an appeal in a cancellation proceeding pursuant to the provisions of the Trade-Mark Act of February 20, 1905, from a decision of the Commissioner of Patents, 81 USPQ 291, affirming that of the Examiner of Interferences dismissing a petition by appellant to cancel the registration of the expression "PALMTEX."

Appellee, in its answer to the petition, filed a counterclaim praying for the cancellation of appellant's registrations for the expression "PALM BEACH." The counterclaim was dismissed by the Examiner of Interferences and no appeal was taken by appellee to the Commissioner. Therefore, the disposition of the counterclaim will not be considered here.

It appears that the trade-mark of appellant was duly registered in the United States Patent Office on February 15, 1916, Registration No. 108,511 (renewed), as applied to piece goods consisting of mohair piece goods, woolen piece goods, and piece goods of combinations of cotton, wool, mohair, alpaca, camel hair, silk, and artificial silk. The registration was issued to Goodall Worsted Company, the corporate name of which was changed on October 3, 1944, to Goodall-Sanford, Inc., and notice thereof was filed in the Patent Office on November 14, 1944. Appellant also owns Registration No. 97,416, dated June 2, 1914 (renewed), of its mark as applied to wool piece goods; knitted, netted, and textile fabrics. In addition to the words "PALM BEACH" the registrations show palm branches associated therewith.

The registered mark of appellee, No. 418,697, is dated January 8, 1946, on an application filed February 8, 1945. It is applied to treated cotton textile piece goods for use in making work gloves and is alleged to have been continuously used and applied to said goods in appellee's business since June, 1931. The mark consists of the word "PALMTEX" in arcuate form over a representation of a gauntlet glove.

Appellant sets out as grounds for cancelling appellee's registered mark the usual allegation that it bears so close a resemblance to the mark "PALM BEACH" as to be likely to cause confusion in trade, and that the marks of the parties are used on goods of the same descriptive properties. Appellant also alleged that appellee had not used the trade-mark "PALMTEX."

Testimony was taken by both parties and many exhibits were introduced. Briefs were filed and the parties were represented by counsel at the hearing.

It appears that appellant, a corporation organized under and by virtue of the laws of the state of Maine, is engaged in the manufacture of textile fabrics and has been using its trade-mark on its manufactured goods since about 1909. The textile fabrics are sold to various merchants and manufactured by them into lightweight summer clothing such as suits, neckties, hats, caps, dresses, shirts, suspenders, and the like. The manufacturers of those finished products are issued a license by appellant and, affixed to the manufactured product, is a label upon which the appellant's trade-mark appears.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

Appellee is an Ohio corporation and is engaged in the business of coating and processing textile fabric materials, primarily of cotton and jute. Its trade-mark is applied to a heavy napped cotton textile which has been treated with a combination of crude or synthetic rubber or plastic materials thoroughly impregnating the fabrics so that after treatment the fabric is a coated, heavy, leather-like material. The material is designed solely for use as a leather substitute on the palms of work gloves. It appears that it is waterproof and durable, possessing high tensile strength, resistance to abrasion and generally has all the qualities that are sought for in an industrial work glove.

The goods of appellee are sold only in the bolt and only to licensed manufacturers of work gloves. The sales are made by direct and indirect solicitation by correspondence and the furnishing of samples. Appellee's mark does not appear on the finished product.

The Examiner of Interferences held that the products of the parties are in no degree competitive in character and that they are sold to different classes of purchasers for essentially unrelated uses. He observed that there was some testimony offered on behalf of appellant to the effect that possibly appellant's Palm Beach products could be used in the manufacture of gloves. He stated, however, that it would not be commercially practical to use the fabric for such a purpose and that such mere possibility may not properly enlarge the scope of right which appellant might otherwise possess in its mark, citing, among others, the case of *Procter & Gamble Co.* v. *Sweets Laboratories, Inc.*, 30 CCPA (Patents) 1294, 137 F.2d 365, 58 USPQ 611, 557 O. G. 406.

The Examiner was of opinion that the marks of the parties have substantial differences in that "PALMTEX" is a coined, unitary word and "PALM BEACH" is a generally familiar expression; that the word "PALM" possesses different meanings as used in the marks of the parties. The Examiner dismissed the petition of appellant holding that the differences between the marks and also between the goods of the parties are amply sufficient to warrant a concurrent use in trade without likelihood of confusion.

The Commissioner in his decision observed that the attitude of the courts has been liberal in the interpretation of the phrase "goods of the same descriptive properties" as applied to textile fabrics. He held that in the instant case the products of the parties differ so much in appearance, characteristics, and potential use that there was a grave doubt whether or not under liberal rules they possess the same descriptive properties.

The Commissioner stated that even if there were doubt that the marks were so alike as to cause likelihood of confusion, such doubt would be dispelled when the marks of the parties are considered with the differences in the goods. He cited in support of that holding *Puerto Rico Distilling Co.* v. *The Coca-Cola Co.*, 28 CCPA (Patents) 1143, 120 F.2d 370, 49 USPQ 660, 531 O. G. 797; and *Ciba Pharmaceutical Products, Inc.* v. *Abbott Laboratories*, 28 CCPA (Patents) 1315, 121 F.2d 551, 50 USPQ 139, 533 O. G. 1049.

With respect to the contention by counsel for appellant that the counterclaim for cancellation of appellant's registration and by certain testimony appellee conceded that the marks are confusingly similar, the Commissioner stated that the record did not sustain appellant's contention and the pleading of inconsistent matter is authorized by the rules.

On the question of the alleged non-use of the mark by appellee, the Commissioner held that the record did not sustain the claim of non-use.

[1] It is our opinion that the tribunals of the Patent Office committed no error. It is clear to us that while, broadly, the goods of the parties may be held to possess the same descriptive properties, they are so utterly different in quality, texture, appearance, and use that it would not be good sense to state that they possess such common properties as to bring them within the liberal interpretation referred to by the Commissioner.

[2] As to the marks themselves, it is clear that they have not the same sound, that their meanings are utterly different, and that there is no similarity in appearance. Since, in our opinion, the marks are not at all alike and the goods to which they are applied are radically different from each other and the manner of purchase and sale so distinctly different, we are convinced that they may both be concurrently used as applied to the respective goods without any likelihood of confusion.

We agree with the holding below that the claimed right of natural and normal extension of business is untenable on the record here.

We are satisfied, as were the tribunals of the Patent Office, that the record in no way supports the contention of appellant that no trade-mark use was shown by appellee of its mark.

[3] With respect to the contention by counsel for appellant that appellee is now estopped from denying that there is confusing similarity between the marks because of its counterclaim seeking the cancellation of the mark of appellant, it is clear that under Rule 8 (e) (2) of the Federal Rules of Civil Procedure it is proper to plead inconsistent defenses whether based on legal or equitable grounds or both. *M. Snower & Co.* v. *United States*, (C. C. A. 7th), 140 F.2d 367.

We deem it unnecessary to discuss the many cases that have been cited by both parties for the reason that it would unduly lengthen this opinion.

For the reasons herein stated, the decision of the Commissioner is affirmed.

AFFIRMED.

O'CONNELL, *J.* (concurring in part and dissenting in part):

I agree that the decision of the Commissioner of Patents, acting through Daniels, former Assistant Commissioner of Patents, should be affirmed. I am unable, however, to accept the doctrine expressed in the language upon which the questions here in issue have been determined in the prevailing opinion. In that respect, I wholly agree with the well reasoned views upon which the Assistant Commissioner of Patents based his conclusion in the reported decision, 81 USPQ 291.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,605,445, F. L. Killian, Machine for manufacturing thin rubber articles; 2,128,827, same, Method and apparatus for manufacturing thin rubber articles, C. C. A., 2d Cir., Doc. 21941, *Frank B. Killian & Co.* v. *Allied Latex Corp.* Judgment reversed; complaint dismissed Apr. 30, 1951.

1,915,858, 1,929,027, 1,929,028, B. F. Miessner, Method and apparatus for the production of music, D. C., S. D. N. Y., Doc. 57/34, *Miessner Inventions, Inc.* v. *Sears, Roebuck & Co., Inc.* Consent order of dismissal June 7, 1951.

1,929,027. (See 1,915,858.) 1,929,028. (See 1,915,858.)

1,990,360. (See 2,175,327.) 2,053,464. (See 2,175,327.)

2,128,827. (See 1,605,445.)

2,174,989, G. W. Lyons, Hatchway, filed June 1, 1951, D. C. N. J. (Newark), Doc. 519/51, *G. W. Lyons* v. *Construction Specialties, Inc., et al.*

2,175,327, Thornhill & Rohr, Handbag; 2,479,263, same, Cover for handbags; 1,990,360, A. Anish, same; 2,053,464, M. J. Dalsheim, same, suit for declaratory judgment filed June 12, 1951, D. C., S. D. N. Y., Doc. 67/181, *Goldcrest Fashions, Inc.* v. *Virginia Art Goods Studios, Inc.*

2,190,102, C. B. Herzinger, Garment hanger, filed June 7, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13182–BH, *W. J. Mills* v. *Chafin Sales Co.*

2,213,113, A. M. Youngs, Method for testing thin rubber articles; 2,244,591, Youngs & Ballantine, Apparatus for testing prophylactic articles of thin rubber, C. C. A., 2d Cir., Doc. 21942, *Youngs Rubber Corp.* v. *Allied Latex Corp.* "Judgment is reversed for dismissal of the action," Apr. 30, 1951.

2,244,591. (See 2,213,113.)

2,247,520, D. M. Paxton, Check valve, filed June 8, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13183–WM, *Curtiss Fuel Pump Co.* v. *Popular Pump Co. et al.*

2,368,867, A. C. Olsen, Shingle fastening device; 2,404,245, same, Fastening device, D. C., S. D. N. Y., Doc. 37/644, *Patent & Licensing Corp.* v. *A. C. Olsen.* Order and judgment on mandate (notice June 11, 1951).

2,404,245. (See 2,368,867.)

2,434,363, F. J. Lenox, Spool, C. C. A., 2d Cir., Doc. 21955, *Frank J. Lenox* v. *Landers Printing & Cut Out Co.* Judgment affirmed Apr. 30, 1951.

2,461,464, R. Aronstein, Filter for fluorescent screens, filed June 7, 1951, D. C., S. D. N. Y., Doc. 67/129, *Transmirra Products Corp. et al.* v. *R. C. A.*

2,479,263. (See 2,175,327.)

2,479,530, O. E. Watson, Store basket and carriage, appeal filed June 7, 1951, C. C. A., 4th Cir., Doc. 6298, *Telescope Carts, Inc.* v. *Henry Heil.*

2,488,507, Burdick & Glenn, Synthetic star rubies, star sapphires, and process for producing same, D. C. N. J. (Newark), Doc. 194/50, *Union Carbide & Carbon Corp.* v. *Stuart Laboratories, Inc., et al.* Patent held valid and infringed; injunction June 11, 1951.

2,535,864(*a*), H. M. Plehn, Garment, D. C., S. D. N. Y., Doc. 64/247, *H. M. Plehn et al.* v. *Bloomingdale Bros., Inc.* Stipulation and order of discontinuance June 5, 1951.

2,535,864(*b*), H. M. Plehn, Garment; T. M. 527,906, Peter Pan Foundations, Inc., Brassières, D. C., S. D. N. Y., Doc. 64/39, *H. M. Plehn et al.* v. *Marvelform Bra, Inc.* Stipulation and order of discontinuance June 6, 1951.

2,540,095. (See Des. 158,552.)

2,541,637. (See Des. 158,552.)

Des. 158,552, E. Buehler, Combined wall bracket and vaporizer casing; 2,540,095, same, Vapor dispenser; 2,541,637, Christopher & Spear, Method of vaporizing lindane in ventilated rooms, suit for declaratory judgment filed Feb. 19, 1951, D. C., S. D. N. Y., Doc. 64/218, *Remington Products Corp. et al.* v. *American Aerovap, Inc.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 177,714, Jersey Silk Mills, Fabrics; T. M. 345,517, Truhu Silk Corp., same; T. M. 514,753, Wm. Skinner & Sons, same, D. C., S. D. N. Y., Doc. 65/154, *William Skinner & Sons et al.* v. *Trucolor Fabrics, Inc.* Stipulation and order of discontinuance (notice June 8, 1951).

T. M. 345,517. (See T. M. 177,714.)

T. M. 514,753. (See T. M. 177,714.)

T. M. 527,906. (See 2,535,864(*b*).)

NOTICES

Applications for Extension of Patents

VETERANS

PUBLIC LAW 598—*81st Congress*

Application for extension of the following patents has been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066).

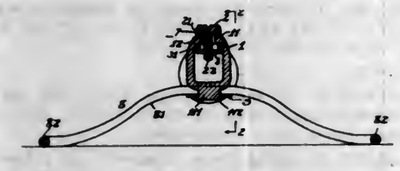
Any person who believes that he would be injured by the extension of the patents cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentee.

Ernest N. Bonner	2,127,715	August 23, 1938
Sidney P. Vaughn	2,114,891	April 19, 1938
Sidney P. Vaughn	2,150,196	March 14, 1939
Sidney P. Vaughn	2,153,601	April 11, 1939
Sidney P. Vaughn	2,165,319	July 11, 1939
Sidney P. Vaughn	2,186,050	January 9, 1940
Sidney P. Vaughn	2,210,967	August 13, 1940
Sidney P. Vaughn	2,229,147	January 21, 1941
Sidney P. Vaughn	2,255,091	September 9, 1941

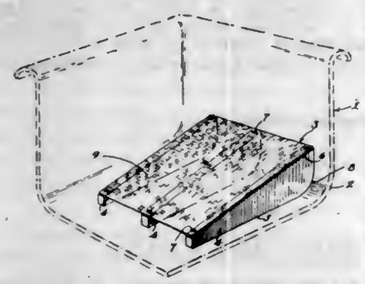
JOHN A. MARZALL,
Commissioner.

2,127,715
SPRAY HEADS
Ernest N. Bonner, Detroit, Mich.
Granted Aug. 23, 1938
3 Claims. (Cl. 299—141)



1. A spray head comprising a hollow body provided with means for connection to a supply pipe and having in its upper wall an externally countersunk opening, a washer having a similar opening and having its underside bevelled to fit the countersunk portion of the opening in the body, and a screw having a shank of less diameter than said openings, the said shank extending through said openings into said body and being secured in position by screw means, the head of said screw being bevelled upon its underside to fit the countersunk portion of said washer and the undersides of said washer and said screw having each a series of radial grooves therein.

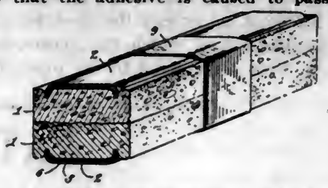
2,114,891
WRINGING SCREEN
Sidney P. Vaughn, San Diego, Calif.
Granted Apr. 19, 1938
4 Claims. (Cl. 15—260)



1. A wringer for mops and the like, comprising a base member adapted to fit against the bottom and side of a receptacle, and a sheet of foraminous material mounted in inclined position on said base member, the inclination being such that if the line of inclination were continued it would meet the bottom of the receptacle at a point spaced from the receptacle walls.

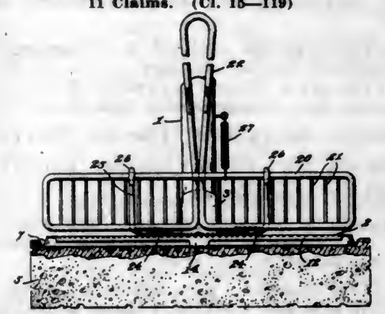
2,150,196
METHOD AND MEANS FOR ATTACHING SPONGY MATERIAL TO BACKINGS OR HOLDERS
Sidney P. Vaughn, San Diego, Calif.
Granted Mar. 14, 1939
8 Claims. (Cl. 300—21)

1. The method of adhesively securing spongy material to a backing which comprises mounting a sheet of foraminous material in spaced relation to the backing, interposing adhesive material between the spongy material and sheet, and pressing the spongy material and backing together so that the adhesive is caused to pass in part



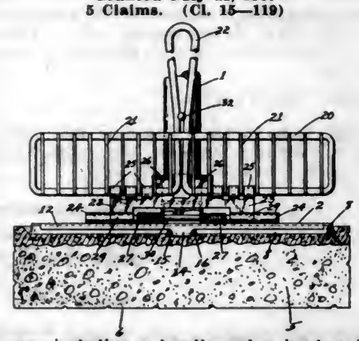
through the openings in the foraminous sheet and become interlocked therewith.

2,153,601
WRINGER MOP
Sidney P. Vaughn, San Diego, Calif.
Granted Apr. 11, 1939
11 Claims. (Cl. 15—119)



1. A mop including a handle and head, a block of compressible material secured to said head, a link pivoted to the head, means for normally maintaining the link in upright position substantially parallel with the handle, a wringer plate pivotally connected at its upper end to the free end of said link, and an operating handle connected to the wringer plate.

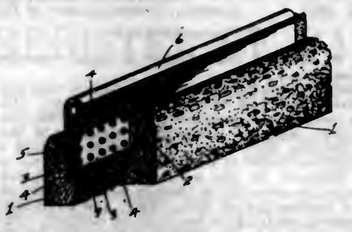
2,165,319
MOPS
Sidney P. Vaughn, San Diego, Calif.
Granted July 11, 1939
5 Claims. (Cl. 15—119)



1. A mop including a handle and a head, a block of sponge material secured to said head, a hinge link pivoted by one end to the toe of the head, a wringer element pivoted to the free end of the hinge link and adapted to squeeze the sponge material, a handle for operating said wringer element, means limiting the backward movement of the wringer element around its pivot but permitting free movement in a forward direction, spring means acting to urge the hinge link and wringer element toward operative position for squeezing the sponge material, and catch means for connecting the handle of the wringer element to the handle of the mop to hold the wringer element in an inoperative position.

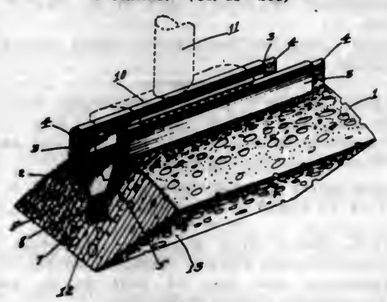
2,186,050
CLEANING DEVICE
Sidney P. Vaughn, Ackerman, Miss.
Granted Jan. 9, 1940
4 Claims. (Cl. 15—244)

1. A cleaning device comprising an elongated block of compressible cleaning material substantially rectangular in cross section, a slot formed lengthwise therein on one side, a foraminous channel shaped core element in said slot, said core member being substantially U shaped in cross section and arranged in the slot with the bottom of the U toward the bottom of the slot, and a cementing



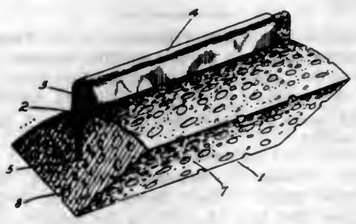
material in the channel of said core element for securing the walls of the slotted portion of the cleaning material to the core element.

2,210,967
CLEANING DEVICE
Sidney P. Vaughn, Ackerman, Miss.
Granted Aug. 13, 1940
4 Claims. (Cl. 15—244)



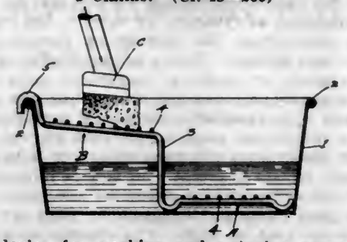
4. A cleaning device mounting means wherein the cleaning device comprises an elongated body of soft, pliable cellulose sponge material, said mounting means comprising an elongated slot in said elongated body, an elongated core member extending from at least the surface of said body into said slot, said elongated core member comprising an angle member, the angle of said member being inserted into said slot, pressing the walls thereof apart, the edges of said angle member extending beyond the plane of adjacent surfaces a distance less than the width of said adjacent surfaces and less than the width of said slot and folded over against said surface, back against said angle member and clamping the material of the body therebetween.

2,229,147
CLEANING DEVICE
Sidney P. Vaughn, Ackerman, Miss.
Granted Jan. 21, 1941
1 Claim. (Cl. 15—244)



A cleaning device comprising an elongated block of compressible material substantially rectangular in cross section, a slot formed lengthwise in one elongated corner of said block and extending to a line adjacent the center of the block, a relatively thin core member mounted in the slot and extending from its outer to its inner edge, said core member being of a stiffness greater than that of the compressible material, and means for clamping the compressible material adjacent the slot against the core member.

2,255,091
DEVICE FOR WASHING AND WRINGING SPONGE MOPS
Sidney P. Vaughn, Ackerman, Miss.
Granted Sept. 9, 1941
3 Claims. (Cl. 15—260)



1. A device for washing and wringing sponge mops, comprising two foraminous screens arranged in stepped relation to each other on a frame common to both and adapted to be supported by and within a pail, the stepped relation being such that the washing screen is supported at or near the bottom of the pail below the normal water line for use in washing the mop, and such that the wringing screen is supported at or near the top of the pail above the normal water line for use in squeezing the water out of the mop.

Errata

In the OFFICIAL GAZETTE, issue of June 26, 1951, page 1007, 1st column, under heading 1,823,831, for lines 5 through 13, read:

2. A method of increasing the efficiency of a porous medium positioned between a body of gas under pressure and a body of liquid through which the gas is forced, comprising injecting into the gas solid particles of a size sufficient to only partially clog the pores of the porous medium and forcing the prepared gas through the partially clogged pores thereby effecting a more intimate contact between the gas and liquid.

Page 1008, 2nd column, under heading 2,304,178, for lines 5 through 17, read:

1. In a process for precipitating copper by contacting the copper solution with metallic iron, the step of preparing the precipitant by pouring molten iron in a small stream, breaking up said molten iron stream into rounded particles, introducing said particles into a bath to solidify them, adding said particles to the copper solution, and then crushing said particles in the presence of the solution.

Interference Notices

Kurt Schlesinger, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Patent No. 2,458,532, granted January 11, 1949, to Kurt Schlesinger, 328 West 88th Street, New York, N. Y., and the application for patent of Otto H. Schade, 32 Francisco Avenue, West Caldwell, New Jersey, and a notice of such declaration sent by registered mail to said Schlesinger at the said address having been returned by the Post Office as undeliverable, notice is hereby given that unless said Schlesinger, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

June 8, 1951. THOMAS F. MURPHY,
Assistant Commissioner.

Pallmall Knitting Mills, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of H. H. Brown Shoe Co., Inc., 45 Grand Street, Worcester, Massachusetts, No. 580,121, for registration of a trade-mark and Registration No. 334,410, issued May 5, 1936, to Pallmall Knitting Mills, 1217 Spring Garden Street, Philadelphia, Pennsylvania, and the notice of such declaration sent by registered mail to the said Pallmall Knitting Mills at the said address having been returned by the Post Office undeliverable, notice is hereby given that unless Pallmall Knitting Mills, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
June 12, 1951. *Assistant Commissioner of Patents.*

New Applications Entered in Register Not To Be Transferred

Where new applications assigned to an examining division by the Application Branch are accepted by the Primary Examiner, as evidenced by entry in the register of pending applications, the first action thereon must be given by that division. Once a new application is entered in the register, it cannot be transferred until the first action is given and a response thereto has been received.

If a new application is thought not to be properly examinable in the division receiving the same and the division in which the Primary Examiner believes it to be properly classifiable refuses to accept it, it may be informally submitted to the Classification Group for assignment by oral decision prior to entry. No search for prior art to show classification need be made. The division to which the Classification Examiner assigns it will make the first action thereon. If the search in connection with the first action develops art showing proper classification elsewhere, after the response is received appropriate action to transfer may be taken.

JOHN A. MARZALL,
June 20, 1951. *Commissioner.*

Correction

All references to Patent No. 2,557,988 to Thomas O. McCarthy, for Motion Transmission System, appearing in the OFFICIAL GAZETTE of June 26, 1951, should be deleted as the application was withdrawn and the patent not issued.

Cancellation Notices

Dixon Flavor & Extract Co., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the petition of Nehi Corporation, 10th Street and 9th Avenue, Columbus, Georgia, to effect the cancellation of trade-mark registration of Dixon Flavor & Extract Co., No. 381,155, dated September 10, 1940. The assignment records of this Office show a transfer of title to this registration to House-Hold-Pac Corporation, San Francisco, California, who has been substituted for said Dixon Flavor & Extract Co. to defend the registration concerned. The notice of such proceeding sent by registered mail to said House-Hold-Pac Corporation, at its address of record, San Francisco, California, having been returned by the Post Office undeliverable, notice is hereby given that unless said Dixon Flavor & Extract Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
June 12, 1951. *Assistant Commissioner of Patents.*

Samuel R. Strisik, his assigns or legal representatives, take notice:

A proceeding having been instituted by this Office upon an application of Flour Mills of America, Inc., of 20 West Ninth Street, Kansas City, Missouri, to effect cancellation of Registration No. 137,139, dated November 23, 1920, and notice of such proceeding sent by mail to the aforesaid Samuel R. Strisik having been returned by the Post Office as being undeliverable, notice is hereby given that unless said Samuel R. Strisik or his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
June 19, 1951. *Assistant Commissioner of Patents.*

Stonex Industries, Inc., its assigns or legal representatives, take notice:

A proceeding having been instituted by this Office upon an application of Gustav Grothman, 16585 North West Second Avenue, R. F. D. #1, North Miami, Florida, to effect cancellation of Registration No. 382,993, issued November 19, 1940, to August H. Sexton and later assigned to the aforesaid Stonex Industries, Inc., notice is hereby given that unless said Stonex Industries, Inc., or its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order, the cancellation may be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
June 20, 1951. *Assistant Commissioner of Patents.*

Clinton S. Robison, his assigns or legal representatives, take notice:

A proceeding having been instituted by this Office upon application of Cecil Corporation, Chicago, Illinois, to effect cancellation of Registration No. 350,730, dated October 5, 1937, and the assignment records of the Patent Office affecting such registration being in part defective or incomplete, notice is hereby given that unless said Clinton S. Robison, or his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order, the cancellation may be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
June 20, 1951. *Assistant Commissioner of Patents.*

Disclaimers

2,081,220.—*Clarence J. Coberly*, Los Angeles, Calif. LIQUID OPERATED PUMP. Patent dated May 25, 1937. Disclaimer filed June 4, 1951, by the assignee, *Kobe, Inc.*

Hereby enters this disclaimer to claims 33 and 34 of said patent.

2,200,443.—*Edward C. Dench*, South Orange, N. J. DISCHARGE LAMP CIRCUIT. Patent dated May 14, 1940. Disclaimer filed June 14, 1951, by the assignee, *Westinghouse Electric Corporation.*

Hereby enters this disclaimer to claims 6, 7, 8, 9, 10, 12, 13, 14, 15, and 17 of said patent.

2,228,210.—*Robert Fred Hays, Jr.*, Bloomfield, N. J. GASEOUS RELAY DEVICE. Patent dated Jan. 7, 1941. Disclaimer filed June 14, 1951, by the assignee, *Westinghouse Electric Corporation.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, and 7 of said patent.

2,355,476.—*Roy M. Smith*, Fairfield, and *John R. Steegstra*, Bridgeport, Conn. FLUORESCENT LAMP STARTER. Patent dated Aug. 8, 1944. Disclaimer filed June 14, 1951, by the assignee, *The Bryant Electric Company.*

Hereby enters this disclaimer to claims 6, 7, and 8 of said patent.

2,400,353.—*Charles H. Hodgkins*, Fairfield, Conn. FLUORESCENT LAMP STARTER. Patent dated May 14, 1946. Disclaimer filed June 14, 1951, by the assignee, *The Bryant Electric Company.*

Hereby enters this disclaimer to claims 4, 5, and 6 of said patent.

2,433,804.—*Irving Wolff*, Princeton, N. J. FREQUENCY-MODULATED PULSE RADIO LOCATING SYSTEM. Patent dated Dec. 30, 1947. Disclaimer filed June 7, 1951, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claims 1 to 5, inclusive, of said patent.

2,459,270.—*William G. Esmond*, Cumberland, Md. ADVANCING REEL. Patent dated Jan. 18, 1949. Disclaimer filed May 18, 1951, by the assignee, *Celanese Corporation of America.*

Hereby enters this disclaimer to claim 3 of said patent.

2,482,696.—*McDonald D. Smith*, Washington, D. C., and *Gorham F. Freer*, Arlington, Va. PIPE-LINE STOPPER. Patent dated Sept. 20, 1949. Disclaimer filed May 31, 1951, by the assignee, *Mueller Co.*

Hereby enters this disclaimer to claims 20 and 24 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Included among the following patents are: Circuit breakers and interrupters of various types, including reclosing circuit breakers, fuse units, and gas blast type switches; circuit breaker operating and control mechanisms; arc extinguishing means and re-closing mechanisms for circuit breakers; valve control means for the admission of jets of gas or air into gas blast switches; protective devices, systems and arrangements for electrical apparatus and power transmission systems; synchronizing and control apparatus; control systems for prime mover dynamo electric machines, rotary switches, and switching mechanisms; remote signaling systems and supervisory control systems for automatically controlling a remote station from a control station, such as a dispatcher's office; telemetering systems and apparatus; and a dielectric monitor system for testing insulation on high potential electrical conductors. Also included are: A resistance welding machine for spot welding operations; a high speed camera; a totalizing system for tickets of different denominations; and a ticket-canceling machine for theatres and the like. Group 36. Reg. Nos. 42,382 through 42,935.

Pat. 1,967,095. Liquid for Electrical Purposes and Apparatus Containing Same. July 17, 1934.

Pat. 1,967,849. Protective Apparatus. July 24, 1934.

Pat. 1,967,850. Electroresponsive Apparatus. July 24, 1934.

Pat. 1,967,887. Remote Indicating System. July 24, 1934.

Pat. 1,968,629. Automatic Reclosing Circuit Breaker System. July 31, 1934.

Pat. 1,969,532. Switch Operating Mechanism. Aug. 7, 1934.

Pat. 1,969,576. Electric Switch Operating Mechanism. Aug. 7, 1934.

Pat. 1,970,392. Electric Circuit Breaker. Aug. 14, 1934.

Pat. 1,970,421. Electric Switch. Aug. 14, 1934.

Pat. 1,974,310. Electric Switch. Sept. 18, 1934.

Pat. 1,976,484. High Potential Switch Apparatus. Oct. 9, 1934.

Pat. 1,979,114. Remote Indicating System. Oct. 30, 1934.

Pat. 1,980,825. Furnace. Nov. 13, 1934.

Pat. 1,986,607. Cathode Ray Oscillograph Control. Jan. 1, 1935.

Pat. 1,989,538. Control System. Jan. 29, 1935.

Pat. 1,990,348. Electric Switch. Feb. 5, 1935.

Pat. 1,991,228. Vacuum Fuse. Feb. 12, 1935.

Pat. 1,992,024. Electrical Switch Gear. Feb. 19, 1935.

Pat. 1,992,031. Insulating Liquid Seal. Feb. 19, 1935.

Pat. 1,992,036. Electric Circuit Breaker. Feb. 19, 1935.

Pat. 1,992,780. Electric Indicating and Recording Instrument. Feb. 26, 1935.

Pat. 1,995,162. Control of Electroresponsive Devices. Mar. 19, 1935.

Pat. 1,996,618. Elevating and Transfer Truck Unit. Apr. 2, 1935.

Pat. 1,998,302. Regulating System. Apr. 16, 1935.

Pat. 1,998,318. Electrical Protective System. Apr. 16, 1935.

Pat. 1,998,320. Automatic Ticket Stripper. Apr. 16, 1935.

Pat. 1,998,941. Electric Circuit Breaker. Apr. 23, 1935.

Pat. 2,000,803. Electroresponsive Device. May 7, 1935.

Pat. 2,001,513. Circuit Breaker. May 14, 1935.

Pat. 2,001,563. Control of Circuit Breakers. May 14, 1935.

Pat. 2,004,768. Protective System. June 11, 1935.

Pat. 2,006,254. Automatic Reclosing Circuit Breaker System. June 25, 1935.

Pat. 2,006,931. Electrical Insulator. July 2, 1935.

Pat. 2,007,778. Electrical Connection. July 9, 1935.

Pat. 2,008,498. Protective Arrangement for Electric Systems. July 16, 1935.

Pat. 2,008,532. Protective Arrangement for Alternating-Current Power Systems. July 16, 1935.

Pat. 2,008,544. Protective Arrangement. July 16, 1935.

Pat. 2,009,114. Surge Responsive Device. July 23, 1935.

Pat. 2,009,815. Electrical Switch Gear. July 30, 1935.

Pat. 2,009,819. Starting System for Arc Discharge Apparatus. July 30, 1935.

Pat. 2,010,610. Coding Apparatus. Aug. 6, 1935.

Pat. 2,010,714. Circuit Breaker. Aug. 6, 1935.

Pat. 2,010,716. Electric Switch Gear. Aug. 6, 1935.

Pat. 2,011,387. Protective Apparatus for Electric Systems. Aug. 13, 1935.

Pat. 2,016,893. Electric Circuit Breaker. Oct. 8, 1935.

Pat. 2,018,495. Automatic Switching System. Oct. 22, 1935.

Pat. 2,019,348. Electric Circuit Interrupter. Oct. 29, 1935.

Pat. 2,020,069. Interlock Mechanism. Nov. 5, 1935.

Pat. 2,020,995. Oil Blast Circuit Breaker. Nov. 12, 1935.

Pat. 2,021,766. Electronic Timer. Nov. 19, 1935.

Pat. 2,025,549. Operating Mechanism for Electric Circuit Breakers. Dec. 24, 1935.

Pat. 2,027,209. Control and Protection of Electric Circuits. Jan. 7, 1936.

Pat. 2,027,835. Vacuum Switch and Method of Fabricating the Same. Jan. 14, 1936.

Pat. 2,027,836. Vacuum Switch. Jan. 14, 1936.

Pat. 2,030,449. Mercury Switch. Feb. 11, 1936.

Pat. 2,030,665. Protective Apparatus. Feb. 11, 1936.

Pat. 2,031,447. Automatic Reclosing Circuit Breaker System. Feb. 18, 1936.

Pat. 2,031,458. Operating Mechanism. Feb. 18, 1936.

Pat. 2,031,509. Electric Control Means. Feb. 18, 1936.

Pat. 2,031,514. Electric Circuit Interrupter. Feb. 18, 1936.

Pat. 2,032,956. Protective Arrangement. Mar. 3, 1936.

Pat. 2,032,959. Protective Arrangement. Mar. 3, 1936.

Pat. 2,034,550. Arcing Tip and Method for Making the Same. Mar. 17, 1936.

Pat. 2,035,771. Electrical Switch Gear. Mar. 31, 1936.

Pat. 2,036,792. Metal Clad Electrical Apparatus. Apr. 7, 1936.

Pat. 2,036,800. Electric Circuit Interrupter. Apr. 7, 1936.

Pat. 2,036,983. Synchronizing System. Apr. 7, 1936.

Pat. 2,037,535. Vacuum Apparatus. Apr. 14, 1936.

Pat. 2,037,544. Circuit Breaker Contact. Apr. 14, 1936.

Pat. 2,037,570. High Speed Circuit Breaker. Apr. 14, 1936.

Pat. 2,043,099. Electrical Protective System. June 2, 1936.

Pat. 2,047,000. Electrical Connecter Unit for Metal Clad Switch Gears. July 7, 1936.

Pat. 2,047,008. Liquid Immersed Electric Circuit Interrupter. July 7, 1936.

Pat. 2,047,815. Circuit Breaker. July 14, 1936.

Pat. 2,047,816. Circuit Breaker. July 14, 1936.

Pat. 2,047,824. Circuit Breaker. July 14, 1936.

Pat. 2,047,828. Circuit Breaker. July 14, 1936.

Pat. 2,047,829. Circuit Breaker. July 14, 1936.

Pat. 2,047,842. Circuit Breaker. July 14, 1936.

Pat. 2,047,843. Circuit Breaker. July 14, 1936.

Pat. 2,047,931. Electric Switch. July 14, 1936.

Pat. 2,048,496. Electrical Switchgear. July 21, 1936.

Pat. 2,048,540. Electrical Switchgear. July 21, 1936.

Pat. 2,049,318. Electric Circuit Interrupter. July 28, 1936.

Pat. 2,049,328. Electric Circuit Interrupter. July 28, 1936.

Pat. 2,050,864. Electric Circuit Breaker. Aug. 11, 1936.

Pat. 2,050,879. Thermal Release Device. Aug. 11, 1936.

Pat. 2,050,882. Automatic Circuit Breaker System. Aug. 11, 1936.

Pat. 2,051,659. Electric Circuit Breaker. Aug. 18, 1936.

Pat. 2,052,377. Supervision of Electric Systems. Aug. 25, 1936.

Pat. 2,053,118. Electric Impulse Transmitting System. Sept. 1, 1936.

Pat. 2,053,934. Circuit Breaker. Sept. 8, 1936.

Pat. 2,053,944. Protective Device. Sept. 8, 1936.

Pat. 2,053,952. Protective Device. Sept. 8, 1936.

Pat. 2,053,971. Circuit Breaker. Sept. 8, 1936.

Pat. 2,053,972. Circuit Breaker. Sept. 8, 1936.

Pat. 2,053,973. Electric Circuit Interrupter. Sept. 8, 1936.

Pat. 2,055,327. Circuit Controlling Device. Sept. 22, 1936.

Pat. 2,055,345. Electric Oil Circuit Breaker. Sept. 22, 1936.

Pat. 2,056,009. Electric Circuit Interrupter. Sept. 29, 1936.

Pat. 2,056,033. Electric Circuit Interrupter. Sept. 29, 1936.

Pat. 2,057,546. Electric Switch Gear. Oct. 13, 1936.

Pat. 2,062,104. Power System. Nov. 24, 1936.

Pat. 2,062,105. Power System. Nov. 24, 1936.

Pat. 2,063,875. Electrical Switch Gear. Dec. 8, 1936.

Pat. 2,064,652. Liquid Immersed Electric Circuit Breaker. Dec. 15, 1936.

Pat. 2,065,356. Circuit Breaker. Dec. 22, 1936.

Pat. 2,065,357. Circuit Breaker. Dec. 22, 1936.

Pat. 2,065,360. Automatic Reclosing Circuit Breaker System. Dec. 22, 1936.

Pat. 2,066,143. Protective Apparatus for Alternating Current Power Systems. Dec. 29, 1936.

Pat. 2,066,995. Parallel Inverter System. Jan. 5, 1937.

Pat. 2,067,792. Circuit Breaker. Jan. 12, 1937.

Pat. 2,067,797. Circuit Breaker. Jan. 12, 1937.

Pat. 2,068,553. Operating Mechanism. Jan. 19, 1937.

Pat. 2,069,082. Automatic Reclosing Electric Circuit Interrupter. Jan. 26, 1937.

Pat. 2,069,641. Electric Circuit Interrupter. Feb. 2, 1937.

Pat. 2,071,184. Indicating System. Feb. 16, 1937.

Pat. 2,071,185. Electric Circuit Breaker. Feb. 16, 1937.

Pat. 2,071,965. Electric Circuit Interrupter. Feb. 23, 1937.

Pat. 2,075,748. Electric Circuit Breaker. Mar. 30, 1937.

Pat. 2,075,749. Electric Circuit Breaker. Mar. 30, 1937.

Pat. 2,076,352. Electric Circuit Interrupter. Apr. 6, 1937.

Pat. 2,078,145. Circuit Breaker. Apr. 20, 1937.

Pat. 2,078,784. Electric Circuit Breaker. Apr. 27, 1937.

Pat. 2,078,792. Electric Timing and Counting Device. Apr. 27, 1937.

Pat. 2,078,803. Electric Circuit Breaker. Apr. 27, 1937.

Pat. 2,080,226. Electric Switch Gear. May 11, 1937.

Pat. 2,081,830. Electric Circuit Interrupter. May 25, 1937.

Pat. 2,081,839. High Voltage Current Responsive Apparatus. May 25, 1937.

Pat. 2,082,613. Hydraulic Operating Mechanism. June 1, 1937.

Pat. 2,082,630. Electric Switch. June 1, 1937.

Pat. 2,084,169. Indicating System. June 15, 1937.

Pat. 2,084,876. Control and Protection of Electric Circuits. June 22, 1937.

Pat. 2,084,877. Circuit Controlling System. June 22, 1937.

Pat. 2,084,885. Electric Circuit Breaker. June 22, 1937.

Pat. 2,084,886. Electric Circuit Breaker. June 22, 1937.

Pat. 2,084,888. Protective Arrangement. June 22, 1937.

Pat. 2,084,893. Metal-Clad Electrical Switch Gear. June 22, 1937.

Pat. 2,084,910. Electric Switch Gear. June 22, 1937.

Pat. 2,085,549. Electric Control Device. June 29, 1937.

Pat. 2,088,435. Contact for Cartridge Fuses. July 27, 1937.

Pat. 2,089,050. Electric Circuit Interrupter. Aug. 3, 1937.

Pat. 2,089,051. Electric Circuit Interrupter. Aug. 3, 1937.

Pat. 2,089,716. Circuit Breaker. Aug. 10, 1937.

Pat. 2,090,518. Electrical Switch Gear. Aug. 17, 1937.

Pat. 2,090,519. Vacuum Circuit Interrupter. Aug. 17, 1937.

Pat. 2,092,636. Insulated Copper Wire. Sept. 7, 1937.

Pat. 2,092,652. Electric Circuit Interrupter. Sept. 7, 1937.

Pat. 2,092,656. Electric Circuit Interrupter. Sept. 7, 1937.

Pat. 2,095,117. Supervision of Electric Systems. Oct. 5, 1937.

Pat. 2,096,619. Operating Mechanism. Oct. 19, 1937.

Pat. 2,097,313. Indicating System. Oct. 26, 1937.

Pat. 2,098,069. Remote Control System. Nov. 2, 1937.

Pat. 2,100,215. Circuit Breaker Control System. Nov. 23, 1937.

Pat. 2,100,833. Damping Device for Indicating Instruments. Nov. 30, 1937.

Pat. 2,100,893. Automatic Reclosing Circuit Breaker System. Nov. 30, 1937.

Pat. 2,102,396. Circuit Breaker. Dec. 14, 1937.

Pat. 2,102,768. Liquid Break Circuit Breaker. Dec. 21, 1937.

Pat. 2,104,629. Testing Arrangement for Circuit-Interrupting Devices. Jan. 4, 1938.

Pat. 2,107,902. Supervisory Control System. Feb. 8, 1938.

Pat. 2,110,528. Cleating or Anchoring System for Multiple Electric Wires or Pipes. Mar. 8, 1938.

Pat. 2,110,658. Operating Mechanism. Mar. 8, 1938.

Pat. 2,110,672. Electric Circuit Interrupter. Mar. 8, 1938.

Pat. 2,111,416. Electric Circuit Breaker. Mar. 15, 1938.

Pat. 2,115,595. Synchronizing Apparatus. Apr. 26, 1938.

Pat. 2,115,596. Automatic Reclosing Circuit Breaker System. Apr. 26, 1938.

Pat. 2,116,378. Control System. May 3, 1938.

Pat. 2,116,379. Circuit Breaker Control System. May 3, 1938.

Pat. 2,116,396. Electric Switch Operating Apparatus. May 3, 1938.

Pat. 2,117,130. Electric Switch Gear. May 10, 1938.

Pat. 2,119,388. Electric Switch. May 31, 1938.

Pat. 2,123,066. Control System. July 5, 1938.

Pat. 2,125,093. Supervisory Control System. July 26, 1938.

Pat. 2,128,149. Electric Switchgear. Aug. 23, 1938.

Pat. 2,128,802. Automatic Reclosing Circuit Breaker System. Aug. 30, 1938.

Pat. 2,128,812. Remote Signaling System. Aug. 30, 1938.

Pat. 2,129,528. Control System. Sept. 6, 1938.

Pat. 2,130,999. Electric Circuit Interrupter. Sept. 20, 1938.

Pat. 2,131,000. Electric Circuit Interrupter. Sept. 20, 1938.

Pat. 2,131,603. Operating Mechanism. Sept. 27, 1938.

Pat. 2,132,277. Control System. Oct. 4, 1938.

Pat. 2,133,158. Circuit Breaker. Oct. 11, 1938.

Pat. 2,134,506. Electric Circuit Interrupter. Oct. 25, 1938.

Pat. 2,134,549. Electric Circuit Breaker. Oct. 25, 1938.

Pat. 2,134,572. Electric Circuit Breaker. Oct. 25, 1938.

Pat. 2,134,573. Electric Circuit Breaker. Oct. 25, 1938.

Pat. 2,138,668. Telemetering System and Apparatus. Nov. 29, 1938.

Pat. 2,140,378. Electric Circuit Interrupter. Dec. 13, 1938.

Pat. 2,140,390. Speed Responsive Means. Dec. 13, 1938.

Pat. 2,141,898. Electric Switch Gear. Dec. 27, 1938.

Pat. 2,142,840. Electric Circuit Interrupter. Jan. 3, 1939.

Pat. 2,142,860. Electric Circuit Interrupter. Jan. 3, 1939.

Pat. 2,142,861. Electric Circuit Interrupter. Jan. 3, 1939.

Pat. 2,144,530. Motor Control System. Jan. 17, 1939.

Pat. 2,144,531. Motor Control System. Jan. 17, 1939.

Pat. 2,144,542. Electric Circuit Breaker. Jan. 17, 1939.

Pat. 2,145,706. Electric Circuit Interrupter. Jan. 31, 1939.

Pat. 2,145,741. Reclosing Circuit Breaker. Jan. 31, 1939.

Pat. 2,146,556. Control System. Feb. 7, 1939.

Pat. 2,146,685. Electric Circuit Interrupter. Feb. 7, 1939.

Pat. 2,147,497. Electric Circuit Interrupter. Feb. 14, 1939.

Pat. 2,151,093. Control System for Synchronous Machines. Mar. 21, 1939.

Pat. 2,151,122. Synchronous Machine Control System. Mar. 21, 1939.

Pat. 2,151,160. Control System. Mar. 21, 1939.

Pat. 2,151,161. Control System. Mar. 21, 1939.

Pat. 2,151,162. Method of and Apparatus for Pulling Synchronous Motors Into Step. Mar. 21, 1939.

Pat. 2,151,163. Method of and Apparatus for Pulling Synchronous Machines Into Step. Mar. 21, 1939.

Pat. 2,151,174. Control System. Mar. 21, 1939.

Pat. 2,151,178. Control System. Mar. 21, 1939.

Pat. 2,151,550. Motor Control System. Mar. 21, 1939.

Pat. 2,151,551. Electric Circuit Interrupter. Mar. 21, 1939.

Pat. 2,151,553. Motor Control System. Mar. 21, 1939.

Pat. 2,151,556. Synchronous Motor Control System. Mar. 21, 1939.

Pat. 2,152,497. Electric Circuit Breaker. Mar. 28, 1939.

Pat. 2,153,400. Electrical Switch Gear. Apr. 4, 1939.

Pat. 2,155,263. Multibreak High Voltage Circuit Breaker. Apr. 18, 1939.

Pat. 2,155,276. Quenching Chamber for Electric Gas Switches. Apr. 18, 1939.

Pat. 2,156,058. Electric Protective Device. Apr. 25, 1939.

Pat. 2,156,072. Operating Mechanism. Apr. 25, 1939.

Pat. 2,156,995. Receptacle for Switchboard Indicating Lamps. May 2, 1939.

Pat. 2,157,832. Electric Circuit Interrupter. May 9, 1939.

Pat. 2,157,883. Electric Circuit Interrupter. May 9, 1939.

Pat. 2,157,906. Electric Fuse. May 9, 1939.

Pat. 2,157,911. Electric Circuit Breaker. May 9, 1939.

Pat. 2,157,918. Art of Uniting Metals. May 9, 1939.

Pat. 2,159,764. Circuit Breaker Contact. May 23, 1939.

Pat. 2,159,829. Electric Circuit Breaker. May 23, 1939.

Pat. 2,159,830. Electric Circuit Breaker. May 23, 1939.

Pat. 2,160,673. Electric Circuit Breaker. May 30, 1939.

Pat. 2,160,690. Method and Apparatus for Synchronizing Synchronous Machines. May 30, 1939.

Pat. 2,161,636. Method of Protectively Coating Aluminum or Aluminum Alloys. June 6, 1939.

Pat. 2,162,569. Electric Circuit Interrupter. June 13, 1939.

Pat. 2,162,588. Electric Circuit Breaker. June 13, 1939.

Pat. 2,164,181. Method of and Apparatus for Accelerating and Synchronizing a Synchronous Machine. June 27, 1939.

Pat. 2,166,828. Alternating Current Circuit Interrupter. July 18, 1939.

Pat. 2,166,833. Synchronizing Apparatus. July 18, 1939.

Pat. 2,167,513. Automatic Totalizing System. July 25, 1939.

Pat. 2,168,175. Synchronizing System. Aug. 1, 1939.

Pat. 2,169,085. Circuit Breaker. Aug. 8, 1939.

Pat. 2,169,853. Supervision of Electric Systems. Aug. 15, 1939.

Pat. 2,169,871. Electric Circuit Interrupter. Aug. 15, 1939.

Pat. 2,173,706. Synthetic Circuit Breaker Testing Arrangement. Sept. 19, 1939.

Pat. 2,173,719. Control System. Sept. 19, 1939.

Pat. 2,175,041. Circuit Breaker Tank Lifter. Oct. 3, 1939.

Pat. 2,175,902. Valve Control System. Oct. 10, 1939.

Pat. 2,176,718. Electric Disconnecting Device. Oct. 17, 1939.

Pat. 2,176,750. Supervisory Control System. Oct. 17, 1939.

Pat. 2,179,342. Protective Means for Electric Circuits. Nov. 7, 1939.

Pat. 2,180,155. Electric Contact. Nov. 14, 1939.

Pat. 2,180,174. Protective System. Nov. 14, 1939.

Pat. 2,180,975. Time Lag Fuse. Nov. 21, 1939.

Pat. 2,180,990. Protection of Alternating Current Systems. Nov. 21, 1939.

Pat. 2,185,166. Electric Circuit Breaker. Dec. 26, 1939.

Pat. 2,185,823. Circuit Breaker. Jan. 2, 1940.

Pat. 2,185,825. Circuit Breaker Control System. Jan. 2, 1940.

Pat. 2,186,815. Protective System for Electric Valve Translating Apparatus. Jan. 9, 1940.

Pat. 2,188,792. Protective Means for Electric Circuits. Jan. 30, 1940.

Pat. 2,188,806. Electric Circuit Interrupter. Jan. 30, 1940.

Pat. 2,191,334. Protective Arrangement. Feb. 20, 1940.

Pat. 2,192,045. Electric Circuit Breaker. Feb. 27, 1940.

Pat. 2,195,233. Electrical Coil. Mar. 26, 1940.

Pat. 2,196,043. Electric System of Distribution. Apr. 2, 1940.

Pat. 2,196,820. Arrangement for Extinguishing Electric Arcs. Apr. 9, 1940.

Pat. 2,196,868. Alternating Current Circuit Breaker. Apr. 9, 1940.

Pat. 2,201,852. Circuit Breaker Testing Arrangement. May 21, 1940.

Pat. 2,202,719. Protective Device for Electric Circuits. May 28, 1940.

Pat. 2,202,730. System of Electric Distribution. May 28, 1940.

Pat. 2,205,321. Electric Circuit Breaker. June 18, 1940.

Pat. 2,205,894. Supervisory Control System. June 25, 1940.

Pat. 2,205,895. Supervisory Control System. June 25, 1940.

Pat. 2,206,709. Electric Circuit Interrupting System. July 2, 1940.

Pat. 2,207,556. Method and Apparatus for Controlling Synchronous Machines. July 9, 1940.

Pat. 2,207,578. Control System for and Method of Controlling Synchronous Machines. July 9, 1940.

Pat. 2,209,823. Fuse. July 30, 1940.

Pat. 2,210,412. Motor Control System. Aug. 6, 1940.

Pat. 2,210,627. Motor Control System. Aug. 6, 1940.

Pat. 2,213,877. System of Electric Distribution. Sept. 3, 1940.

Pat. 2,214,853. Circuit Breaker Testing Arrangement. Sept. 17, 1940.

Pat. 2,214,858. Protective Arrangement for Electric Power Circuits. Sept. 17, 1940.

Pat. 2,216,583. Circuit Breaker. Oct. 1, 1940.

Pat. 2,218,374. Circuit Breaker. Oct. 15, 1940.

Pat. 2,218,797. Electric Circuit Breaker. Oct. 22, 1940.

Pat. 2,219,171. Electric Circuit Breaker. Oct. 22, 1940.

Pat. 2,219,172. Control System. Oct. 22, 1940.

Pat. 2,221,720. Electric Circuit Interrupter. Nov. 12, 1940.

Pat. 2,222,711. Circuit Breaker Testing Arrangement. Nov. 26, 1940.

Pat. 2,222,722. Electric Circuit Breaker. Nov. 26, 1940.

Pat. 2,222,729. Resin-Containing Composite Structure. Nov. 26, 1940.

Pat. 2,223,959. Current Limiting Fuse. Dec. 3, 1940.

Pat. 2,223,975. Electric Circuit Breaker. Dec. 3, 1940.

Pat. 2,224,611. Electric Circuit Interrupter. Dec. 10, 1940.

Pat. 2,227,134. Electric Circuit Interrupter. Dec. 31, 1940.

Pat. 2,227,989. Protective Arrangement. Jan. 7, 1941.

Pat. 2,228,846. Electric Valve Converting System. Jan. 14, 1941.

Pat. 2,229,464. Circuit-Breaker Operating and Control Means. Jan. 21, 1941.

Pat. 2,229,981. Electric Switch. Jan. 28, 1941.

Pat. 2,230,730. Circuit Breaker Testing Arrangement. Feb. 4, 1941.

Pat. 2,230,735. Pneumatic Reclosing Mechanism for Circuit Breakers. Feb. 4, 1941.

Pat. 2,231,576. Electric Circuit Interrupter. Feb. 11, 1941.

Pat. 2,233,180. Electric Switch. Feb. 25, 1941.

Pat. 2,235,626. Circuit Breaker. Mar. 18, 1941.

Pat. 2,236,276. Sequence Control System. Mar. 25, 1941.

Pat. 2,238,027. Electric Circuit Breaker. Apr. 8, 1941.

Pat. 2,238,567. Circuit Breaker. Apr. 15, 1941.

Pat. 2,238,636. Electric Switchgear. Apr. 15, 1941.

Pat. 2,240,189. Circuit Breaker. Apr. 29, 1941.

Pat. 2,241,973. Electroresponsive Device. May 13, 1941.

Pat. 2,243,567. Electric Disconnecting Device. May 27, 1941.

Pat. 2,244,384. Fluid Pressure Supply System. June 3, 1941.

Pat. 2,245,189. Control System for Alternating Current Motors. June 10, 1941.

Pat. 2,246,139. Switching System for Electric Currents. June 17, 1941.

Pat. 2,246,171. Method of and Apparatus for Interrupting Electric Arcs. June 17, 1941.

Pat. 2,247,062. Phase Balance Condition Responsive Device. June 24, 1941.

Pat. 2,247,084. Sealing Closure for Fuses or the Like. June 24, 1941.

Re. 21,848. Electric Circuit Breaker. July 1, 1941. (Original No. 2,158,846, May 16, 1939.)

Pat. 2,248,593. Electric Circuit Breaker. July 8, 1941.

Pat. 2,248,601. Control Equipment for Prime Mover Electric Generating Plants. July 8, 1941.

Pat. 2,248,602. Control Equipment for Prime Mover Electric Generating Plants. July 8, 1941.

Pat. 2,249,444. Electric Circuit Breaker. July 15, 1941.

Pat. 2,249,465. Control System for Synchronous Machines. July 15, 1941.

Pat. 2,249,513. Electroresponsive Device. July 15, 1941.

Pat. 2,250,208. Electric Circuit Breaker. July 22, 1941.

Pat. 2,250,217. Circuit Interrupting System. July 22, 1941.

Pat. 2,252,453. Automatic Control Equipment for Synchronous Frequency Converters. Aug. 12, 1941.

Pat. 2,253,147. Supervisory Control System. Aug. 19, 1941.

Pat. 2,253,196. Gas Blast Electric Circuit Breaker. Aug. 19, 1941.

Pat. 2,253,197. Fluid Blast Circuit Breaker. Aug. 19, 1941.

Pat. 2,254,707. Control of Electric Switches. Sept. 2, 1941.

Pat. 2,254,724. Control System. Sept. 2, 1941.

Pat. 2,254,730. Time Element Electroresponsive Device. Sept. 2, 1941.

Pat. 2,255,490. Protective System for Alternating Current Dynamoelectric Machines. Sept. 9, 1941.

Pat. 2,255,496. Control System for Circuit Breakers. Sept. 9, 1941.

Pat. 2,256,251. Device Responsive to Sudden Changes in Electric Circuits. Sept. 16, 1941.

Pat. 2,256,347. Device Responsive to Sudden Changes in Electric Circuits. Sept. 16, 1941.

Pat. 2,257,435. Motor-Operated Valve. Sept. 30, 1941.

Pat. 2,257,449. Protective System for Electric Valve Apparatus. Sept. 30, 1941.

Pat. 2,258,226. Electric Circuit Breaker. Oct. 7, 1941.

Pat. 2,258,250. Protection of Electric Systems. Oct. 7, 1941.

Pat. 2,259,070. Telemetering Receiver. Oct. 14, 1941.

Pat. 2,259,097. Circuit Breaker. Oct. 14, 1941.

Pat. 2,259,228. High Speed Camera. Oct. 14, 1941.

Pat. 2,259,988. Automatic Control Arrangement. Oct. 21, 1941.

Pat. 2,262,516. Electric Circuit Breaker. Nov. 11, 1941.

Pat. 2,264,823. Automatic Reclosing Circuit Breaker System. Dec. 2, 1941.

Pat. 2,264,825. Resistance Welding Machine. Dec. 2, 1941.

Pat. 2,267,399. Electric Circuit Interrupter. Dec. 23, 1941.

Pat. 2,267,400. Electric Circuit Breaker. Dec. 23, 1941.

Pat. 2,268,207. Control System for Synchronous Machines. Dec. 30, 1941.

Pat. 2,269,972. Control System for Synchronous Machines. Jan. 13, 1942.

Pat. 2,271,965. Control System for Electric Valves. Feb. 3, 1942.

Pat. 2,271,989. Electric Circuit Breaker. Feb. 3, 1942.

Pat. 2,271,992. Remote Control System. Feb. 3, 1942.

Pat. 2,272,214. Air Blast Circuit Breaker. Feb. 10, 1942.

Pat. 2,272,224. Gas Blast Electric Circuit Breaker. Feb. 10, 1942.

Pat. 2,272,991. Protective System. Feb. 10, 1942.

Pat. 2,274,350. Circuit Breaker Operating Mechanism. Feb. 24, 1942.

Pat. 2,274,422. Electrical Connection. Feb. 24, 1942.

Pat. 2,275,839. Magnetic Structure. Mar. 10, 1942.

Pat. 2,275,872. Gas Blast Electric Circuit Breaker. Mar. 10, 1942.

Pat. 2,275,882. Control System. Mar. 10, 1942.

Pat. 2,275,885. Electric Circuit Breaker. Mar. 10, 1942.

Pat. 2,275,891. Electric Circuit Breaker. Mar. 10, 1942.

Pat. 2,277,422. Electric Circuit Breaker. Mar. 24, 1942.

Pat. 2,277,523. Protective Arrangement for Electric Systems. Mar. 24, 1942.

Pat. 2,278,179. Synchronous Motor Control System. Mar. 31, 1942.

Pat. 2,278,971. Electromagnetic Apparatus. Apr. 7, 1942.

Pat. 2,279,024. Electric Circuit Interrupter. Apr. 7, 1942.

Pat. 2,279,040. Alternating Current Circuit Interrupter. Apr. 7, 1942.

Pat. 2,279,849. Control of Electromagnetic Devices. Apr. 14, 1942.

Pat. 2,281,385. Electric Circuit Breaker. Apr. 28, 1942.

Pat. 2,282,845. Control System. May 12, 1942.

Pat. 2,282,955. Control System for Synchronous Machines. May 12, 1942.

Pat. 2,283,693. Electric Circuit Breaker. May 19, 1942.

Pat. 2,283,717. Electric Circuit Breaker. May 19, 1942.

Pat. 2,284,658. Gas Blast Electric Circuit Breaker. June 2, 1942.

Pat. 2,284,684. Electric Circuit Breaker. June 2, 1942.

Pat. 2,284,856. Gas Blast Electric Circuit Breaker. June 2, 1942.

Pat. 2,284,857. Gas Blast Electric Circuit Breaker. June 2, 1942.

Pat. 2,285,203. Control Equipment. June 2, 1942.

Pat. 2,285,917. Control System for Synchronous Motors. June 9, 1942.

Pat. 2,287,578. Electric Circuit Breaker. June 23, 1942.

Pat. 2,288,324. Electric Circuit Breaker. June 30, 1942.

Pat. 2,288,331. Circuit Breaker Testing Apparatus. June 30, 1942.

Pat. 2,290,101. Protective Arrangement. July 14, 1942.

Pat. 2,290,207. Gas Blast Electric Circuit Breaker. July 21, 1942.

Pat. 2,290,726. Electric Circuit Breaker. July 21, 1942.

Pat. 2,291,357. Electric Circuit Breaker. July 28, 1942.

Pat. 2,292,096. Circuit-Breaker Operating System. Aug. 4, 1942.

Pat. 2,292,158. Gas Blast Circuit Breaker. Aug. 4, 1942.

Pat. 2,292,174. Electric Protective Apparatus. Aug. 4, 1942.

Pat. 2,292,843. Electrical Regulating System. Aug. 11, 1942.

Pat. 2,292,844. Regulating System. Aug. 11, 1942.

Pat. 2,292,860. Automatic Reclosing Circuit Breaker Systems. Aug. 11, 1942.

Pat. 2,293,484. Control System. Aug. 18, 1942.

Pat. 2,293,487. Electric Circuit Breaker. Aug. 18, 1942.

Pat. 2,294,759. Electric Control System. Sept. 1, 1942.

Pat. 2,294,766. Electric Circuit Interrupting Device and Mounting Arrangement Therefor. Sept. 1, 1942.

Pat. 2,294,767. Electric Protective Device. Sept. 1, 1942.

Pat. 2,295,309. High Speed Circuit Breaker Reclosing Mechanism. Sept. 8, 1942.

Pat. 2,296,071. Electric Circuit Breaker. Sept. 15, 1942.

Pat. 2,296,300. High Speed Reclosing Mechanism. Sept. 22, 1942.

Pat. 2,296,627. Time Lag Fuse. Sept. 22, 1942.

Pat. 2,298,778. Electric Circuit Breaker. Oct. 13, 1942.

Pat. 2,298,817. Automatic Reclosing Circuit Breaker Systems. Oct. 13, 1942.

Pat. 2,298,838. Electric Circuit Interrupter. Oct. 13, 1942.

Pat. 2,303,825. Electric Circuit Breaker. Dec. 1, 1942.

Pat. 2,304,542. Control System. Dec. 8, 1942.

Pat. 2,306,153. Electric Circuit Interrupting Device. Dec. 22, 1942.

Pat. 2,306,169. Electromagnetic Control. Dec. 22, 1942.

Pat. 2,306,186. High Voltage Electric Circuit Breaker. Dec. 22, 1942.

Pat. 2,306,235. Circuit Breaker. Dec. 22, 1942.

Pat. 2,306,242. Gas Blast Electric Circuit Breaker. Dec. 22, 1942.

Pat. 2,308,261. Fluid Pressure Control System. Jan. 12, 1943.

Pat. 2,309,487. Protective Arrangement. Jan. 26, 1943.

Pat. 2,309,489. Electric Circuit Interrupting Device. Jan. 26, 1943.

Pat. 2,309,493. Regulating System. Jan. 26, 1943.

Pat. 2,310,093. Electric Circuit Breaker. Feb. 2, 1943.

Pat. 2,310,126. High Frequency Current Shunt. Feb. 2, 1943.

Pat. 2,310,130. Valve System. Feb. 2, 1943.

Pat. 2,310,728. Electric Circuit Breaker. Feb. 9, 1943.

Pat. 2,310,755. Electric Circuit Breaker. Feb. 9, 1943.

Pat. 2,311,476. Control Equipment for Prime Mover Electric Generating Plants. Feb. 16, 1943.

Pat. 2,313,580. Gas Blast Electric Circuit Breaker. Mar. 9, 1943.

Pat. 2,314,202. Electric Arc-Extinguishing Apparatus. Mar. 16, 1943.

Pat. 2,314,346. Protective Device. Mar. 23, 1943.

Pat. 2,315,469. Protective System. Mar. 30, 1943.

Pat. 2,315,470. Protective System. Mar. 30, 1943.

Pat. 2,315,471. Protective System. Mar. 30, 1943.

Re. 22,298. Gas Blast Circuit Breaker. Apr. 6, 1943. (Original No. 2,306,240, Dec. 22, 1942.)

Pat. 2,315,991. Electric Circuit Breaker. Apr. 6, 1943.

Pat. 2,316,036. Electric Circuit Interrupting Device. Apr. 6, 1943.

Pat. 2,318,359. Electromagnet. May 4, 1943.

Pat. 2,318,987. Circuit Breaker. May 11, 1943.

Pat. 2,319,632. Reclosing Circuit Breaker System. May 18, 1943.

Pat. 2,319,645. Circuit Breaker Operating System. May 18, 1943.

Pat. 2,320,198. Synchronizing Indicator. May 25, 1943.

Pat. 2,321,444. Electric Power System. June 8, 1943.

Pat. 2,322,557. System of Electrical Distribution. June 22, 1943.

Pat. 2,322,603. Air Drying Apparatus. June 22, 1943.

Pat. 2,322,686. Electrical Connector. June 22, 1943.

Pat. 2,324,825. Protective System. July 20, 1943.

Pat. 2,324,891. Electric Circuit Interrupter. July 20, 1943.

Pat. 2,325,949. Electric Circuit Breaker. Aug. 3, 1943.

Pat. 2,330,544. Automatic Reclosing Circuit Breaking System. Sept. 28, 1943.

Pat. 2,334,562. Electric Contact Element. Nov. 16, 1943.

Pat. 2,335,042. Electric Switchgear. Nov. 23, 1943.

Pat. 2,335,631. Electric Control System. Nov. 30, 1943.

Pat. 2,335,660. Anti-Pump Control of Electric Switches. Nov. 30, 1943.

Pat. 2,335,683. Protective Arrangement. Nov. 30, 1943.

Pat. 2,335,709. High-Speed Reclosing Mechanism. Nov. 30, 1943.

Pat. 2,337,889. Electric Circuit Breaker. Dec. 28, 1943.

Pat. 2,337,949. Circuit Breaker. Dec. 28, 1943.

Re. 22,430. Fluid Blast Circuit Breaker. Feb. 1, 1944. (Original No. 2,284,840, June 2, 1942.)

Pat. 2,340,635. Registering Means for Automatic Reclosing Circuit Breaker Systems. Feb. 1, 1944.

Pat. 2,340,682. Electric Contact Element. Feb. 1, 1944.

Pat. 2,344,261. Dielectric Monitor System. Mar. 14, 1944.

Pat. 2,345,375. Electric Circuit Breaker. Mar. 28, 1944.

Pat. 2,346,971. Electric Protective Arrangement. Apr. 18, 1944.

Pat. 2,347,052. Electric Circuit Breaker. Apr. 18, 1944.

Pat. 2,347,528. Switch. Apr. 25, 1944.

Pat. 2,348,021. Electric Switch. May 2, 1944.

Re. 22,491. Overload Protective Means. June 6, 1944. (Original No. 2,268,229, Dec. 30, 1941.)

Pat. 2,351,426. Electric Switch. June 13, 1944.

Pat. 2,353,453. Electric Circuit Interrupter. July 11, 1944.

Pat. 2,353,518. Electrical Apparatus. July 11, 1944.

Pat. 2,355,457. Mechanism for Electric Switches. Aug. 8, 1944.

Pat. 2,357,138. Protective System. Aug. 29, 1944.

Pat. 2,358,136. Automatic Reclosing Circuit Breaker Equipment. Sept. 12, 1944.

Pat. 2,360,098. Automatic Switching Equipment. Oct. 10, 1944.

Pat. 2,360,176. Supervision of Electric Systems. Oct. 10, 1944.

Pat. 2,360,182. Protective Arrangement for Alternating-Current Systems. Oct. 10, 1944.

Pat. 2,362,257. Circuit Breaker. Nov. 7, 1944.

Pat. 2,362,313. Auxiliary Switch. Nov. 7, 1944.

Pat. 2,362,798. Electric Switchgear. Nov. 14, 1944.

Pat. 2,363,850. Control Equipment for Prime Mover Electric Generating Plants. Nov. 28, 1944.

Pat. 2,363,853. Electric Air Circuit Breaker. Nov. 28, 1944.

Pat. 2,363,915. Protective System. Nov. 28, 1944.

Pat. 2,364,974. Switchgear. Dec. 12, 1944.

Pat. 2,365,025. Protective System. Dec. 12, 1944.

Pat. 2,367,934. Fluid Blast Circuit Breaker. Jan. 23, 1945.

Pat. 2,368,461. Control of Electric Switches. Jan. 30, 1945.

Pat. 2,375,642. Electric Circuit Interrupter. May 8, 1945.

Pat. 2,380,282. Remote Signaling System. July 10, 1945.

Pat. 2,380,802. Control of Electric Switches. July 31, 1945.

Pat. 2,380,817. Electric Circuit Breaker. July 31, 1945.

Pat. 2,382,271. Current Limiting Fuse. Aug. 14, 1945.

Pat. 2,382,274. Gas Blast Electric Circuit Breaker. Aug. 14, 1945.

Pat. 2,382,850. Gas Blast Electric Circuit Breaker. Aug. 14, 1945.

Pat. 2,385,181. Systems of Electric Distribution. Sept. 18, 1945.

Pat. 2,385,219. Protection of Electric Systems. Sept. 18, 1945.

Pat. 2,385,658. Circuit-Interrupting Device. Sept. 25, 1945.

Pat. 2,389,400. Locking Mechanism for Electric Switches. Nov. 20, 1945.

Pat. 2,392,647. Electric Circuit Interrupter. Jan. 8, 1946.

Pat. 2,392,703. High Voltage Fuse. Jan. 8, 1946.

Pat. 2,393,164. Electric Circuit Breaker. Jan. 15, 1946.

Pat. 2,393,187. Timing Control Apparatus. Jan. 15, 1946.

Pat. 2,393,736. Time Delay Device. Jan. 29, 1946.

Pat. 2,393,784. Circuit Controlling Device. Jan. 29, 1946.

Pat. 2,401,963. Electric Circuit Breaker. June 11, 1946.

Pat. 2,403,414. Protective System. July 2, 1946.

Pat. 2,404,230. Dead-Front Safety Switch. July 16, 1946.

Pat. 2,406,265. Shock-Proofing Mechanism. Aug. 20, 1946.

Pat. 2,408,351. Current-Limiting Fuse. Sept. 24, 1946.

Pat. 2,410,279. Electromagnetic Relay Device. Oct. 29, 1946.

Pat. 2,411,730. Electric Switch. Nov. 26, 1946.

Pat. 2,412,483. Thermal Protective Device. Dec. 10, 1946.

Pat. 2,414,344. Current Limiting Fuse. Jan. 14, 1947.

Pat. 2,416,951. Switching Means. Mar. 4, 1947.

Pat. 2,417,692. Fuse and Switch Unit. Mar. 18, 1947.

Pat. 2,418,470. Latching Mechanism for Electric Switches. Apr. 8, 1947.

Pat. 2,418,690. Electric Circuit Interrupter. Apr. 8, 1947.

Pat. 2,418,704. Manual Operating Device for Electric Circuit Breakers. Apr. 8, 1947.

Pat. 2,419,434. Electric Circuit Interrupter. Apr. 22, 1947.

Pat. 2,419,447. Electric Circuit Interrupter. Apr. 22, 1947.

Pat. 2,419,469. Manufacturing Method for Electrical Contacts. Apr. 22, 1947.

Pat. 2,421,658. Circuit Interrupting Device. June 3, 1947.

Pat. 2,424,081. Interchangeable Electric Switchgear. July 15, 1947.

Pat. 2,425,770. Electromagnetic Device. Aug. 19, 1947.

Pat. 2,427,181. Combined Fuse and Circuit Interrupting Device. Sept. 9, 1947.

Pat. 2,428,254. Circuit Breaker. Sept. 30, 1947.

Pat. 2,429,237. Fuse Unit. Oct. 21, 1947.

Pat. 2,429,860. Circuit Interrupting Device. Oct. 28, 1947.

Pat. 2,435,472. Circuit Interrupting Device. Feb. 3, 1948.

Pat. 2,436,189. Arc Extinguishing Device. Feb. 17, 1948.

Pat. 2,436,194. Circuit Breaker Operating Means. Feb. 17, 1948.

Pat. 2,436,665. Electric Circuit Interrupter. Feb. 24, 1948.

Pat. 2,437,086. Control for Pressure Operated Switches. Mar. 2, 1948.

Pat. 2,439,264. Electric Switch. Apr. 6, 1948.

Pat. 2,439,667. Method of Making Laminated Electrical Insulating Material. Apr. 13, 1948.

Pat. 2,440,937. Bimetallic Circuit Breaker. May 4, 1948.

Pat. 2,440,995. Electric Circuit Breaker. May 4, 1948.

Pat. 2,442,190. Electric Circuit Interrupter. May 25, 1948.

Pat. 2,442,195. Cleaning and Electroplating Process. May 25, 1948.

Pat. 2,442,216. Electric Fuse and Indicator. May 25, 1948.

Pat. 2,444,765. Electric Circuit Breaker. July 6, 1948.

Pat. 2,445,558. Circuit Breaker Operating Mechanism. July 20, 1948.

Pat. 2,446,859. Switch. Aug. 10, 1948.

Pat. 2,450,628. Circuit Breaker Operating System. Oct. 5, 1948.

Pat. 2,456,640. Electrical Apparatus Bushing. Dec. 21, 1948.

Pat. 2,458,511. Combined Switch Stud and Fuse Clip. Jan. 11, 1949.

Pat. 2,459,564. Control Device. Jan. 18, 1949.

Pat. 2,460,118. Circuit Interrupter. Jan. 25, 1949.

Pat. 2,464,553. Apparatus for Protecting Electric Power Systems. Mar. 15, 1949.

Pat. 2,467,828. Switchboard. Apr. 19, 1949.

Pat. 2,472,642. Switching Control for Field Windings of Dynamoelectric Machinery. June 7, 1949.

Pat. 2,476,024. Operating Mechanism. July 12, 1949.

Pat. 2,476,071. Circuit Interrupting Device. July 12, 1949.

Pat. 2,476,076. Automatic Polyphase Reclosing Circuit Breaker. July 12, 1949.

Pat. 2,479,331. Electric Switch. Aug. 16, 1949.

Pat. 2,480,622. Electric Switch. Aug. 30, 1949.

Pat. 2,481,996. Air Blast Circuit Breaker. Sept. 13, 1949.

Pat. 2,486,127. Air Blast Electric Circuit Breaker. Oct. 25, 1949.

Pat. 2,487,545. Electric Switch. Nov. 8, 1949.

Pat. 2,489,085. Trip-Free Electric Circuit Breaker. Nov. 22, 1949.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 10, 1951

[VOL. 648. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 520,855. Bewley Mills, Fort Worth, Tex. Filed Apr. 17, 1947.

Krakets

For Poultry Feeds—Namely, Broiler Mash Feeds, All Mash Starter Feeds, and All Mash Turkey Starter Feeds.

Claims use since Mar. 1, 1947.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 520,750. The Lehon Company, Chicago, Ill. Filed Apr. 15, 1947.

MULE-HIDE

For Banners, Bird Houses, Door Mats (Made of Felt Saturated and Coated With Asphaltic Compound), Fly Swatters, Newspaper Electros (Printing Plates), Paper Maché Mule Heads (Representing the Head of a Lop-Eared Mule), Pennants, Silo Covers (of Canvas Treated With Asphaltic Compound), Tarpaulins, Waterproofed Felts, Waterproof Covers of Felt, Canvas, Duck and Paper, Non-Electric Signs of Wood, Metal and Plastic, and Hot Pan Holders (Asbestos Lined, Heat-Proof Pads for Handling Hot Pans on Stoves).

Claims use since September 1908.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 568,976. Plax Corporation, West Hartford, Conn. Filed Nov. 17, 1948.

PLAXPAK

For Polyethylene Bottles, and Tubing, Used to Package Products.

Claims use since Sept. 24, 1948.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 554,429. Shell Oil Company, Incorporated, San Francisco, Calif., assignor to Shell Oil Company, New York, N. Y., a corporation of Delaware. Filed Apr. 12, 1948.

SHELL

Applicant claims ownership of Registration No. 296,723.

For Furniture Polish.

Claims use since Feb. 25, 1947.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 578,544. Union Carbide and Carbon Corporation, New York, N. Y. Filed May 10, 1949.



For Synthetic Organic Resins and Synthetic Organic Resin Compositions for Use in the Industrial Arts; and Wax for Use as a Pattern Material in Making Molds for Metal-Castings.
Claims use since July 1946.

Ser. No. 578,977. International Minerals & Chemical Corporation, Chicago, Ill. Filed May 17, 1949.

MINERALS International CHEMICALS

The words "Minerals" and "Chemicals" are disclaimed.
For Potassium Chloride.
Claims use since Apr. 30, 1949.

Ser. No. 581,198. Charles F. Lusk, doing business as C. F. Lusk Company, Cleveland, Ohio. Filed June 28, 1949.

LUSCO

For Sealing Compounds for Radiators, Boilers, and Pipes.
Claims use since 1935.

Ser. No. 582,332. James Warr, doing business as Melrose Chemical Co., Melrose, Mass., assignor to Melrose Chemical Corp., a corporation of Massachusetts. Filed July 21, 1949.

MELCO

Applicant claims ownership of Registration No. 281,814.
For Chemical Preparations for Sizing and Finishing Textile Fabrics of Animal, Vegetable, and Synthetic Fibres.
Claims use since Oct. 25, 1930.

Ser. No. 591,078. Ferro Chemical Corporation, Bedford, Ohio. Filed Jan. 19, 1950.

HYPODYNE

For Surface Active Chemicals—Namely, Acid Esters of Polybasic Acids and Amine Salts of Acid Esters of Polybasic Acids.
Claims use since Sept. 30, 1949.

Ser. No. 591,268. Alliance Color & Chemical Co., Newark, N. J. Filed Jan. 23, 1950.

AZOGEN

For Azo Dyestuffs.
Claims use since Sept. 15, 1949.

Ser. No. 591,269. Alliance Color & Chemical Co., Newark, N. J. Filed Jan. 23, 1950.

AZOENE

For Azo Dyestuffs.
Claims use since Sept. 15, 1949.

Ser. No. 593,353. J. M. Huber Corporation, Red Bank, N. J. and New York, N. Y. Filed Mar. 3, 1950.

COLLOCARB

For Carbon Black Compounded With Aqueous or Oily Liquid, for Various Industrial Uses.
Claims use since May 1935.

Ser. No. 593,954. Wellite Corporation, Tulsa, Okla. Filed Jan. 23, 1950.

WELLITE

For Light-Weight Additives for Drilling Fluids.
Claims use since 1948.

Ser. No. 594,277. Monsanto Chemical Company, St. Louis, Mo. Filed Mar. 20, 1950.

TENOMEL

For Organic and Inorganic Chemicals and Synthetic Resins and Plastics, in the Form of Solids, Solutions, Dispersions, and Emulsions, for General Use in the Manufacture and Treatment of Paper and Paper Products, To Improve or Modify the Characteristics Thereof.
Claims use since Dec. 13, 1949.

Ser. No. 594,628. Dodge & Olcott, Inc., New York, N. Y. Filed Mar. 25, 1950.

CONAX

For Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors.
Claims use since January 1945.

Ser. No. 595,947. Dow Corning Corporation, Midland, Mich. Filed Apr. 19, 1950.

DeCetex

Applicant claims ownership of Registration No. 436,450.
For Products for Rendering Fabrics Water Repellent.
Claims use since Mar. 18, 1949.

Ser. No. 602,288. Scharringhausen Pharmacy, Park Ridge, Ill. Filed Aug. 16, 1950.

SOYALESIN

For Lecithin Preparation Used in the Manufacture of Certain Pharmaceuticals, Bakery Products, Paints, Ice Cream, and Oleomargarine.
Claims use since May 15, 1950.

Ser. No. 602,501. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Aug. 21, 1950.

PERDOX

Applicant claims ownership of Registration No. 519,728.
For Chemical Compounds of Active Oxygen Materials With Borax Used as a Catalyst, and for Bleaching and Oxidizing Purposes, and for the Manufacture of Bleaching and Oxidizing Compounds Such as Dentifrices, Foot Powders, Household Laundry Bleaches, and Cleaners.
Claims use since June 1, 1948.

Ser. No. 602,822. The L. D. Caulk Company, Milford, Del. Filed Aug. 28, 1950.

LUCITONE

Applicant claims ownership of Registrations Nos. 386,383, 399,707, and 370,804.
For Methyl Methacrylate Monomer and Methyl Methacrylate Polymer.
Claims use since Mar. 1, 1940.

Ser. No. 602,837. Foote Mineral Company, Philadelphia, Pa. Filed Aug. 28, 1950.

MANGANOX

For Manganese Oxide.
Claims use since February 1938.

Ser. No. 602,943. W. C. Hardesty Company, Inc., New York, N. Y. Filed Aug. 30, 1950.

HARDESTOIL

For Fatty Acids.
Claims use since 1941.

Ser. No. 603,058. Gamble-Skogmo, Inc., Minneapolis, Minn. Filed Sept. 1, 1950.

VARCON

Applicant claims ownership of Registrations Nos. 380,697, 383,056, and others.
For Anti-Freeze Solution.
Claims use since August 1950.

Ser. No. 603,165. Leo Ross, doing business as Ross Laboratories, Los Angeles, Calif. Filed Sept. 5, 1950.

QUICK WICK

The word "Wick" is disclaimed.
For Household Deodorant.
Claims use since Aug. 1, 1950.

Ser. No. 603,441. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Sept. 12, 1950.

ALAMASK

Applicant claims ownership of Registration No. 435,500.
For Mixtures of Odorous Essential Oils and Aromatic Chemicals Principally of the Class of Alcohols, Aldehydes, Esters, and Ketones Used in the Odorization or Reodor-

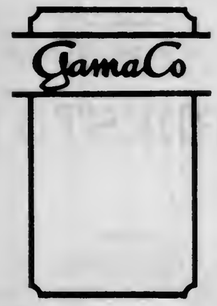
ization of Rubber, Plastics, Textiles, Textile Finishes, Paper, Leather, Aerosol-Propelled Products of Various Types, and Other Industrial Products.
Claims use since Mar. 10, 1950.

Ser. No. 603,457. J. C. Paul & Co., Chicago, Ill. Filed Sept. 12, 1950.

KRYSTYL-EEN

Applicant claims ownership of Registration No. 390,247.
For Sterilizing Material for Preparing Solutions for Use in Rinsing Articles Such as Glassware and Dishes.
Claims use since Apr. 5, 1950.

Ser. No. 603,525. The Georgia Marble Company, Tate, Ga. Filed Sept. 14, 1950.



For Powdered Calcium.
Claims use since August 1950.

Ser. No. 603,737. Dr. Hess & Clark, Inc., Ashland, Ohio. Filed Sept. 19, 1950.

WARFARAT

For Rodenticide.
Claims use since Aug. 31, 1950.

Ser. No. 603,841. A. H. T. Field & Co. Ltd., Vancouver, British Columbia, Canada. Filed Sept. 21, 1950.

Septonic

For Chemical Compound in Tablet Form for Activation of the Bacteria in Septic Tanks.
Claims use since June 17, 1946; and first used in commerce between Canada and the United States on Nov. 15, 1949.

Ser. No. 604,725. Frank Kouril, Jr., doing business as Frank's Market Garden, Springfield, Mass. Filed Oct. 11, 1950.



The letters "FMG" are red, and the lines and words are green. No claim is made to the words "For More Growth" and "Market Garden."
Applicant claims ownership of Registration No. 530,259.
For Insecticides.
Claims use since Apr. 1, 1950.

Ser. No. 604,749. Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Filed Oct. 11, 1950.

AGRONYL

For Liquid Aromatic Petroleum Oil for Use as a Herbicide.
Claims use since July 31, 1950.

Ser. No. 604,767. Ciba Limited, Basel, Switzerland. Filed Oct. 12, 1950.

VIGRAMIN

Applicant claims ownership of Swiss Registration No. 121,762, dated Aug. 14, 1947.
For Coal-Tar Colors.

Ser. No. 604,832. Atlas Powder Company, Wilmington, Del. Filed Oct. 13, 1950.

ATLAC

For Synthetic Polyester Resins.
Claims use since Sept. 1, 1950.

Ser. No. 604,935. Shell Chemical Corporation, New York, N. Y. Filed Oct. 14, 1950.

EARLY FROST

For Herbicide.
Claims use since August 1950.

Ser. No. 608,737. W. H. Barber Company, Chicago, Ill. Filed Jan. 13, 1951.

EARLY-FROST

For Defoliant and Herbicide.
Claims use since May 1, 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 598,360. Greatrex Ltd., New York, N. Y. Filed May 31, 1950.



Applicant disclaims the word "England."
For Tobacco Pouches, Cigarette Cases.
Claims use since 1909.

Ser. No. 603,853. Wallace V. Pflueger, doing business as The Smo-Kerchief Company, St. Louis, Mo. Filed Sept. 21, 1950.

Smo-Kerchief

For Cigarette Filters.
Claims use since Sept. 5, 1950.

Ser. No. 604,145. The Civic Company, Limited, London, England. Filed Sept. 28, 1950.

NU-OLD

Applicant claims ownership of British Registration No. B486,542, dated Dec. 7, 1927.
For Tobacco Pipes.

CLASS 10

FERTILIZERS

Ser. No. 597,857. The Snyder Chemical Company, Inc., Topeka, Kans. Filed Mar. 31, 1950.



For Fertilizers, Particularly Chemical Mixtures Including Nitrogen, Phosphorus, and Potassium.
Claims use since May 7, 1948.

Ser. No. 600,974. Red Lane Calcareous Sinter Co. Inc., Thermopolis, Wyo. and Billings, Mont. Filed July 20, 1950.



The lining indicates red. However, no claim is made to the lining including the color red.
For Fertilizer.
Claims use since Apr. 15, 1950.

Ser. No. 603,329. Inland Fertilizer Co., Los Angeles, Calif. Filed Aug. 4, 1950.

INLAND

Applicant claims ownership of Registration No. 531,914.
For Animal and Chemical Fertilizers.
Claims use since Mar. 1, 1948.

Ser. No. 603,518. Chase Protected Cultivation Limited, Chertsey and Shepperton, England. Filed Sept. 14, 1950.

Q.R.

For Compost Activator.
Claims use since 1939 in Great Britain; and since Jan. 1, 1948, in commerce among the several States.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 603,099. Ansbacher-Siegle Corporation, New York and Rosebank, N. Y. Filed July 29, 1950.



The mark consists of the letters "G. S." with a rampant horse supporting the same. Applicant claims ownership of Registration No. 131,621.
For Colors for Printing Inks.
Claims use since Apr. 1, 1889.

Ser. No. 603,450. J. M. Huber Corporation, Red Bank, N. J. and New York, N. Y. Filed Sept. 12, 1950.

WATERLENE

For Printing Inks.
Claims use since May 16, 1950.

Ser. No. 604,842. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Oct. 13, 1950.

ZARLEX

For Synthetic Resin Formulation, Used as a Base, for the Manufacture of Printing Inks.
Claims use since Sept. 12, 1950.

Ser. No. 607,495. The Frederick Post Company, Chicago, Ill. Filed Dec. 9, 1950. (Sec. 2f.)

POST

Applicant claims ownership of Registration No. 385,273.
For White, Black and Colored Drawing Inks; Blue Print Writing Fluid; and Block Out Ink.
Claims use since Jan. 10, 1936.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 596,898. Buttress & McClellan Inc., Los Angeles, Calif. Filed May 5, 1950.

Panelcrete

For Concrete Buildings—Namely, Concrete Buildings for Industrial, Business, Public, and Residence Use; and Structural and Other Elements of Such Concrete Buildings—Namely, Beams, Columns, Panels, and Slabs.
Claims use since July 15, 1948.

Ser. No. 607,464. Wasco Flashing Co., Cambridge, Mass. Filed Dec. 8, 1950.

WASCOLITE

Applicant claims ownership of Registration No. 335,851.
For Skylight Units.
Claims use since Oct. 1, 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 562,084. The Powers Regulator Company, Chicago, Ill. Filed July 23, 1948. (Sec. 2f.)

POWERS

Applicant claims ownership of Registration No. 259,156.
For Fluid Mixing Valves, Air Mixing Valves, Pressure Regulators and Reducing Valves, Self-Cleaning Fluid Strainers, and Pressure Equalizing Valves.
Claims use since 1888.

Ser. No. 572,975. The Independent Nail and Packing Company Inc., Bridgewater, Conn. Filed Jan. 28, 1949.

STRONGHOLD

Applicant claims ownership of Registration No. 367,448.
For Nails.
Claims use since July 1940.

Ser. No. 576,434. The Waterbury Tack Company, Inc., Shelton, Conn. Filed Mar. 31, 1949.

PLAS-T-CAP

No claim is made to the word "Cap."
For Thumb Tacks.
Claims use since Feb. 11, 1949.

Ser. No. 580,877. Duquesne Mine Supply Company, Millvale and Pittsburgh, Pa. Filed June 22, 1949. (Sec. 2f.)

REDIPT

For Bolts, Screws, Chains, Chain Links, Chain Pins, Conveyor Pins, Section Pins, Bushings, Set Screws, Cap Screws, Swivels, Brake Fulcrum Pins, Conveyor Throw-Out Cam Studs, Brake Adjusting Nuts, Caterpillar Chain Connecting Pins, Flight Nuts, Section Studs, Metal Eccentric Gear Shaft Washers, Car Holds, and Rail Clamps Which Are To Be Mounted on the Rails.
Claims use since 1934.

Ser. No. 581,830. Arthur W. Reynolds, Newton, Conn. Filed July 12, 1949.

HANGITALL

For Hangers To Be Affixed to the Wall for Holding Garden and Household Tools.
Claims use since Mar. 11, 1949.

Ser. No. 583,590. Compco Corporation, Chicago, Ill. Filed Aug. 17, 1949.

Carry-it Fence

For Portable Suction-Cup Article-Securing Guards for Use on Automobile Dashboards, Window Ledges, etc., for Securing Cigarettes, Maps, Dishes, and Other Small Articles.
Claims use since Aug. 31, 1948.

Ser. No. 586,798. Dzus Fastener Co., Inc., West Islip, N. Y. Filed Oct. 25, 1949. (Sec. 2f.)

DZUS

Applicant claims ownership of Registration No. 308,832.
For Quick-Acting, Self-Locking Fasteners, and Fastener Parts and Accessories—Namely, Fastener Studs, Fastener Springs, Fastener Grommets, Fastener Retainers, and Fastener Receptacles.
Claims use since June 10, 1932.

Ser. No. 595,736. Charles Pupilli, Blandford, Ind. Filed Apr. 14, 1950.

PERMA GATE

The drawing is lined merely for shading. Applicant disclaims the word "gate."
For Farm Fencing and Gates Made of Metal.
Claims use since Dec. 1, 1945.

Ser. No. 602,296. Waukegan Baby Seat Co., Inc., Waukegan, Ill. Filed Aug. 16, 1950.



The representation of the children is fanciful.
For Auxiliary Toilet Seats for Infants.
Claims use since Apr. 27, 1950.

Ser. No. 605,630. The H. O. Canfield Co., Bridgeport, Conn. Filed Oct. 31, 1950.

H

For Plumbers' Supply Specialties—Namely, Bead Chain Stoppers, Sink Suction Stoppers, Toilet Tank Balls, Closet Seat Bumpers, and Furnace Bulbs.
Claims use since May 20, 1949.

Ser. No. 605,662. Harry Levitas, Inc., New York, N. Y. Filed Oct. 31, 1950.

ACE

For Separable Slide Fasteners.
Claims use since Apr. 21, 1950.

Ser. No. 606,054. Shirley Corporation, Indianapolis, Ind. Filed Nov. 7, 1950. (Sec. 2f.)

SHIRLEY

The drawing is lined for silver.
For Kitchen Cabinets in Various Sizes of Preformed Units of Drawers and Shelving, With Sinks and Counter Tops Assembled Therewith.
Claims use since Sept. 1, 1936.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 529,241. Elliott Paint & Varnish Company, Chicago, Ill. Filed July 23, 1947. (Sec. 2f.)

CONCRETEX

For Liquid Paints for Masonry Surfaces.
Claims use since Mar. 21, 1939.

Ser. No. 538,430. Mobile Paint Manufacturing Company of Delaware, Inc., trading as Mobile Varnish Works, Wilmington, Del., and Mobile, Ala. Filed Oct. 20, 1947.

KOV-KAL

For One-Coat Flat Wall Paint.
Claims use since June 1941.

Ser. No. 554,974. Hanline Bros., Baltimore, Md. Filed Apr. 19, 1948.

ZONEMARK

For Road Marking Paint.
Claims use since Mar. 27, 1930.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 570,469. Austria Tabakwerke Aktiengesellschaft Vorm. Oesterreichische Tabakregie, Vienna, Austria. Filed Dec. 14, 1948.



The portrait of the woman is fanciful.
For Chewing Tobacco, Smoking Tobacco, Snuff Tobacco, Cigars, and Cigarettes.
Claims use since May 28, 1926; and was first used in commerce between Austria and the United States on May 28, 1926.

Ser. No. 603,579. R. Willard Eanes, trading and doing business under the name of Ross Tobacco Co., Petersburg, Va. Filed Sept. 15, 1950.



"Betsy Ross" is the name of a historical celebrity, and the portrait shown on the drawing is fanciful.
For Cigarettes.
Claims use since Aug. 3, 1950.

Ser. No. 604,499. Stephano Brothers, Philadelphia, Pa. Filed Oct. 5, 1950.

DORIC

For Cigarettes.
Claims use since Aug. 4, 1950.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 591,216. Allied Distributors, Pittsburgh, Pa. Filed Jan. 21, 1950.

ASTARTE

Applicant claims ownership of Registration No. 411,970.
For Mild Powder, an Autoclaved-Hypoallergenic Talc To Be Used Topically in Connection With the Treatment of Various Dermatoses; Cool Powder, a Mentholized Hypoallergenic Talc To Be Used Topically as an Antipruritic in Connection With the Treatment of Various Dermatoses; Mild Paste, an Occlusive Ointment of the Zinc Oxide and Starch Variety To Be Used Topically in Connection With the Treatment of Various Dermatoses; Protective Paste, an Occlusive Ointment of the Zinc Oxide and Starch Variety To Be Used Topically in Connection With the Treatment of Various Dermatoses; Hydrophylic Paste, a Hydroscopic Paste Used Topically in Connection With the Treatment of Various Dermatoses; Balsam Peru & Sulphur Ointment, an Ointment Used Topically in Connection With the Treatment of Scabies; Red Ointment, an Occlusive Ointment Containing Various Stains To Be Used Topically in the Treatment of Various Dermatoses; Scale Emollient, a Scale Softening Detergent Useful as a Scale Softener and Remover in Connection With the Topical Care and Treatment of Psoriasis; Acne Cream, a Nonocclusive Hydroscopic Paste To Be Used Topically on Areas of Overactive Pilosebaceous Glands and Useful in Connection With the Treatment of Various External Symptoms of Acne; Cool Tincture, a Mentholized Antipruritic and Antiseptic Medication Used Topically in Connection With the Treatment of Dermatoses of the External Auditory Canal of the Ear, and on the Ear, and the Retroauricular Area; Boric-Lactic Acid Compound, a Solution Containing, Among Other Things, Borlac and Lactic Acids Used Topically in Connection With the Treatment of Acute Dermatitis; Dessicant Compound, a Solution for Use as a Drying Agent Used Topically in Connection With the Treatment of Acute Vesicular Dermatoses; Back and Shoulder Texture Lotion, a Fat Solvent for the Topical Cleansing of Sebaceous Material and for the Correction of Areas of Over Active Pilosebaceous Glands Used in Connection With the Treatment of Various External Symptoms of Acne; Gentian Violet Stain, an Aqueous Solution of Gentian Violet Used as a Topical Stain in Connection With the Treatment of Various Topical Infections of the Skin; and Fuchsin Stain, an Aqueous Solution of Fuchsin Used as a Topical Stain in Connection With the Treatment of Various Topical Infections of the Skin.
Claims use since Mar. 28, 1947.

Ser. No. 603,053. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Sept. 1, 1950.

LILANTHEME

Applicant claims ownership of Registration No. 280,711.
For Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations.
Claims use since Aug. 1, 1930.

CLASS 19

VEHICLES

Ser. No. 605,337. U. S. Die Casting and Manufacturing Company, doing business under the fictitious name and style of Production Engineering Company, Berkeley, Calif. Filed Oct. 23, 1950.

PROPELOAR

For Foot Operated Propelling Device Adapted To Be Used to Propel Skiffs.
Claims use since May 1, 1950.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 586,360. National Catalytic Battery Company, St. Paul, Minn. Filed Oct. 15, 1949.

CAT-CELL

The word "Cell" is disclaimed.
For Wet Batteries for Hearing Aids and Other Electronic Devices.
Claims use since July 28, 1949.

Ser. No. 587,980. Talk-A-Phone Co., Chicago, Ill. Filed Nov. 17, 1949.

DYNASONIC

For Selector Mechanism Used in Interplant and Interoffice Telephonic Communication Apparatus.
Claims use since Oct. 10, 1948.

Ser. No. 591,994. McGraw Electric Company, Chicago, Ill. Filed Feb. 4, 1950. (Sec. 2f.)

KYLE

For Electrical Protective Equipment—Namely, Circuit Breakers.
Claims use since June 1941.

Ser. No. 596,825. Charles Beazley, doing business as Electronics Experimental (Electrex), Chicago, Ill. Filed May 4, 1950.



For Electronic Sleeping Aids—Namely, an Electronic Sound Producing Apparatus Designed to Lull the Insomniac to Sleep by Monotonous Repetition of a Soft, Double-Tone Hum Emitted by a Loudspeaker Mounted in a Tiny Cabinet.
Claims use since Oct. 1, 1949.

Ser. No. 597,964. Ward Leonard Electric Company, Mount Vernon, N. Y. Filed May 23, 1950.

EDGEOHM

For Electric Resistive Devices Specifically Resistors.
Claims use since July 30, 1946.

Ser. No. 599,559. Eriez Manufacturing Company, Erie, Pa. Filed June 22, 1950.

ATOMAGNETS

For Non-Electric Magnetic Separators for Separating Magnetic From Non-Magnetic Material.
Claims use since May 15, 1950.

Ser. No. 600,419. Compagnie Generale d'Electro-Ceramique, Paris, France. Filed July 10, 1950.

CAPINVAR

Applicant claims ownership of French Registration No. 470,958, dated Jan. 10, 1950.
For Electric Condensers and Parts Thereof.

Ser. No. 600,420. Compagnie Generale d'Electro-Ceramique, Paris, France. Filed July 10, 1950.

COMPENCER

Applicant claims ownership of French Registration No. 470,957, dated Jan. 10, 1950.
For Electric Condensers and Parts Thereof.

Ser. No. 602,214. Portable Electric Tools, Inc., Chicago, Ill. Filed Aug. 15, 1950.

PET

For Electrically Operated Apparatus and Tools—Namely, Portable Drills, Saws, Portable Hand Drills and Sanding and Buffing Attachments Therefor Sold in a Kit as a Unit, Racks and Stands Especially Designed for Holding Portable Hand Drills in Operation, and Electric Motors.
Claims use since Aug. 1, 1948.

Ser. No. 603,439. Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Filed Sept. 12, 1950. (Sec. 2f.)

QUIETONE

Applicant claims ownership of Registration No. 278,260.
For Electrical Filters, Interference Eliminators, and Electrical Capacitors.
Claims use since Apr. 4, 1929.

Ser. No. 605,116. Rochester Manufacturing Company, Inc., Rochester, N. Y. Filed Oct. 18, 1950.

TELLITE

For Electrically Operated Visual Warning Signals and Parts Therefor for Use on Engines and Automotive Vehicles for Indicating Through a Flashing Light Signal Malfunctions Which Might Result in Damage, Such as Low Oil Level, Low Oil Pressure, Low Air-Brake Pressure, Excessive Water Temperature, Generator Failure, and a Partial Set of the Hand Brake.
Claims use since June 1949.

Ser. No. 607,271. Sylvania Electric Products Inc., New York, N. Y. Filed Dec. 4, 1950.

UNICURVE

For Cathode Ray Tubes.
Claims use since Oct. 31, 1950.

Ser. No. 607,772. Sprague Electric Company, North Adams, Mass. Filed Dec. 16, 1950.

BELCAP

For Electrical Condensers.
Claims use since Nov. 29, 1950.

Ser. No. 607,773. Sprague Electric Company, North Adams, Mass. Filed Dec. 16, 1950.

Blue Jacket

For Resistors.
Claims use since Nov. 29, 1950.

Ser. No. 607,774. Sprague Electric Company, North Adams, Mass. Filed Dec. 16, 1950.

CLORINOL

For Electrical Condensers.
Claims use since Nov. 29, 1950.

Ser. No. 607,775. Sprague Electric Company, North Adams, Mass. Filed Dec. 16, 1950.

Estar

For Electrical Condensers.
Claims use since Nov. 29, 1950.

Ser. No. 607,776. Sprague Electric Company, North Adams, Mass. Filed Dec. 16, 1950.

PINHEAD

For Electrical Condensers.
Claims use since June 1936.

Ser. No. 607,777. Sprague Electric Company, North Adams, Mass. Filed Dec. 16, 1950.

STYRACON

For Electrical Condensers.
Claims use since Nov. 29, 1950.

Ser. No. 607,778. Sprague Electric Company, North Adams, Mass. Filed Dec. 16, 1950.

TANTALITE

For Electrical Condensers.
Claims use since Nov. 29, 1950.

Ser. No. 608,203. Thomas A. Edison, Incorporated, West Orange, N. J. Filed Dec. 29, 1950.

ALBANITUM

Applicant claims ownership of Registration No. 304,803.
For Spark Plug Cores.
Claims use since Apr. 8, 1949.

Ser. No. 608,834. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Filed Jan. 17, 1951.

LIGHTNING HIGH SPEED

The words "High Speed" are disclaimed.
Applicant claims ownership of Registration No. 419,582.
For Photoelectric Cells and Their Actuating Circuits and Parts Thereof Adapted for Use in High Speed Instant Operation of Automatic Sprinkler Systems.
Claims use since Jan. 15, 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 572,285. Yoder Manufacturing Company, Los Angeles, Calif. Filed Jan. 15, 1949.

GOOSE HORN

The word "Horn" is disclaimed.
For Manually Operated Pneumatic Toy Horns.
Claims use since July 10, 1948.

Ser. No. 577,992. See Fabriks Aktiebolag, Sandviken, Sweden. Filed Apr. 29, 1949.

SEEFAB

Applicant claims ownership of Swedish Registration No. 65,810, dated Jan. 28, 1949.
For Sporting Articles—Namely, Bows, Arrows for Archery, Skis, Ski Sticks, Ski Fastenings, Spare Ski Tips, Golf Clubs for Golfing, Goals for Football, Handball, Basketball, Bandy, Ice and Land Hockey, Fishing Rods, Landing Nets, Fishing Reels, Trolling Spoons, Jumping Poles, High Jump Bars, Jumping Stands, Hurdles, and Javelins.

Ser. No. 591,206. Supreme Sales Co., Los Angeles, Calif. Filed Jan. 20, 1950.

CANASTRAY

For Containers for Holding Playing-Cards During a Card Game.
Claims use since Nov. 30, 1949.

Ser. No. 591,525. Stream Line Products, Inc., Meadows, Ill Filed Jan. 26, 1950.



The word "Minnow" and the phrase "For Fighting Fish" are disclaimed.
For Artificial Fishing Lures.
Claims use since Apr. 6, 1949.

Ser. No. 591,767. Bux Brix Manufacturing Company, Portland, Oreg. Filed Feb. 1, 1950.

BUX BRIX

Applicant disclaims the word "Brix."
For Educational Construction Toy.
Claims use since Sept. 9, 1947.

Ser. No. 593,010. Jack B. Nethercutt, doing business as Nethercutt Laboratories, Santa Monica, Calif. Filed Feb. 24, 1950.

ECLIPSE

For Frangible Targets.
Claims use since Jan. 9, 1950.

Ser. No. 594,224. Peter J. Kuhl, Racine, Wis. Filed Mar. 18, 1950.

"String-O-Beads"

The word "String" is disclaimed.
For Fish Stringers.
Claims use since Dec. 1, 1949.

Ser. No. 595,927. Allen J. Airhart, Lake Charles, La. Filed Apr. 19, 1950.

CAJUN

For Wild Game Calls in the Nature of Manufactured Wooden Hand-Type Calls, Specifically, Duck and Goose Calls.
Claims use since June 1945.

Ser. No. 597,773. Miniature Train Co., Rensselaer, Ind. Filed May 19, 1950.



For Miniature Railroads and Miniature Rail Equipment, Designed To Simulate Regular Railroad Equipment and Specially Adapted To Be Used as Children's Amusement Devices at Amusement Parks, County Fairs, and Similar Places.
Claims use since July 11, 1946.

Ser. No. 600,083. Royal Tops Mfg. Co., Long Island City, N. Y. Filed June 30, 1950.

ROYAL MASTER

Applicant claims ownership of Registrations Nos. 385,138 and 533,946.
For Tops of the Bandalore Type.
Claims use since May 2, 1950.

Ser. No. 601,303. Robert F. Budinger, doing business as The Northern Maple Company, Vulcan, Mich. Filed July 27, 1950.

NORTHERN MAPLE CO. BULL'S EYE INSULATION SELECT ABC VULCAN, MICHIGAN

The drawing is lined to indicate black lettering against a red background. All wording except the words "Bull Eye" and the letters "ABC" are disclaimed.
For Bowling Pins.
Claims use since Dec. 8, 1949.

Ser. No. 602,331. Tracy S. Park, Houston, Tex. Filed Aug. 17, 1950.

LONGREEN

For Golf Clubs.
Claims use since July 16, 1950.

Ser. No. 603,372. Mack Brothers Manufacturing Company, Beverly Hills, Calif., assignor to Wen-Mac Corporation, Beverly Hills, Calif., a corporation of California. Filed Sept. 9, 1950.

AERØMITE

The representation of the airplane propeller is disclaimed.
For Toy Airplanes, Parts and Accessories.
Claims use since July 1950.

Ser. No. 603,868. Uslan, Incorporated, Spring Valley, N. Y. Filed Sept. 21, 1950. (Sec. 2f.)

5-STRIP BAMBOO Uslan

The numeral and words "5-Strip Bamboo" are disclaimed.
For Fishing Rods.
Claims use since Jan. 15, 1944.

Ser. No. 605,180. Tee-Chum Enterprises, Pittsburgh, Pa. Filed Oct. 19, 1950.

tee-chum

For Mechanical Doll Which Speaks When Clothes Are Hung on it.
Claims use since May 17, 1949.

Ser. No. 606,121. William Boyd, Beverly Hills, Calif. Filed Nov. 9, 1950.

Hopalong Cassidy

The name "Hopalong Cassidy" is fictitious and not the name of any known individual.
For Toy Imitation Leather Holsters and Toy Imitation Leather Cuffs.
Claims use since Nov. 25, 1949.

Ser. No. 606,123. William Boyd, Beverly Hills, Calif. Filed Nov. 9, 1950.

Hopalong Cassidy

The name "Hopalong Cassidy" is a fictitious name.
For Toy Pistols Designed To Shoot Expendable Flexible Rolls of Paper or Plastic.
Claims use since July 20, 1950.

Ser. No. 606,125. William Boyd, Beverly Hills, Calif. Filed Nov. 9, 1950.

Hopalong Cassidy

The name "Hopalong Cassidy" is fictitious and not the name of any known individual.
For Toy Gun, Complete With Batteries and a Bulb Designed to Project Lengths of Film Strip.
Claims use since May 18, 1950.

Ser. No. 606,606. B. F. Gladding & Co., Inc., South Otselic, N. Y. Filed Nov. 18, 1950.

Cilestone

For Fishing Lines.
Claims use since August 1950.

Ser. No. 607,438. Memphis Metal Mfg. Co., Inc., Memphis, Tenn. Filed Dec. 8, 1950.

CRUSADER

For Stationary Mechanical Exercisers of an Oscillating-Reciprocating Type Simulating the Movement of the Body of a Trotting Horse.
Claims use since Apr. 1, 1950.

Ser. No. 607,534. All Western Plastics, Inc., Scottsbluff, Nebr. Filed Dec. 11, 1950.

ROUNDUP KING

For Bandalore Toy Spinning Tops.
Claims use since Sept. 1, 1950.

Ser. No. 608,102. Childhood Interests, Inc., Roselle Park, N. J. Filed Dec. 27, 1950.

POUND-A-WAY

The word "Pound" is disclaimed. Applicant claims ownership of Registration No. 411,421.
For Educational Kindergarten Toy With Pegs Driven Through a Reversible Pounding Board, the Tension on Which Pegs Can Be Adjusted to Suit the Child's Strength.
Claims use since Aug. 1, 1950.

Ser. No. 608,975. Eugene L. Ach, Cincinnati, Ohio. Filed Jan. 19, 1951.

MERRY-PLAY-TRAY

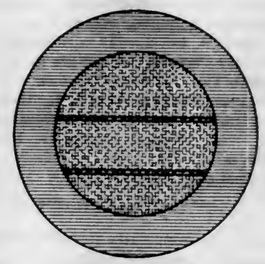
The words "Play" and "Tray" are disclaimed.
For Toy Kits for Children—Namely, Miniature Make-Up Kits, Manicure Kits, and Shoe Shine Kits.
Claims use since Dec. 15, 1950.

Ser. No. 610,525. The Ross Bait Manufacturing Co., Akron, Ohio. Filed Feb. 26, 1951.

SKIP-A-LONG

For Artificial Fish Lure.
Claims use since Apr. 27, 1949.

Ser. No. 610,826. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed Mar. 5, 1951.



The drawing is lined for the colors blue and yellow but these particular colors are not considered as essential features of the mark.
For Bowling Pins.
Claims use since Jan. 1, 1936.

Ser. No. 612,057. Eugene L. Ach, Cincinnati, Ohio. Filed Mar. 31, 1951.

Sonny Shaving Kit

The words "Shaving" and "Kit" are disclaimed.
For Toy Shaving Kits.
Claims use since Mar. 26, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 548,330. The Cleveland Hobbing Machine Company, Euclid, Ohio. Filed Jan. 30, 1948. (Sec. 2f.)

RIGIDHOBBER

Applicant claims ownership of Registration Nos. 391,785 and 391,786.
For Hobbing Machines.
Claims use since May 5, 1934.

Ser. No. 550,448. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 24, 1948.

HOMART

For Group A—Water Supply Systems Consisting Essentially of a Water Pump, an Electric Motor or Gasoline Engine for Driving Same, a Pressure Tank, a Pressure Switch for Starting and Stopping the Motor as Well as Valves, Gauges, Etc., Constituting a Complete Water Pumping Outfit for Pumping Water From Wells, Spring, Cisterns or Streams, Forcing It to Plumbing Fixtures or Other Outlets and Commonly Used for Supplying Running Water in Rural and Suburban Homes Not Serviced by City Water Mains, All Sold as a Unit, Hand Pumps, Jet Pumps, Centrifugal Pumps, Cellar Drainers, Concrete Mixers, Deep Well Pumps; Group B—Pump Cylinders and Pump Valves.
Claims use since Jan. 13, 1946.

Ser. No. 554,263. Seneca Falls Machine Company, Seneca Falls, N. Y. Filed Apr. 9, 1948.

Short Cut Lathe

The words "Lathe" and "Short Cut" are disclaimed.
Applicant claims ownership of Registration No. 126,970.
For Lathes.
Claims use since Aug. 8, 1918.

Ser. No. 555,071. The Patentry Company, Inc., Jamaica, N. Y. Filed Apr. 20, 1948.

MY FATHER'S
DUO PIVOT MITER BOX

The words "Miter Box" and "Duo Pivot" are disclaimed.
For Miter Boxes.
Claims use since Feb. 26, 1947.

Ser. No. 559,831. Calkins Manufacturing Company, Spokane, Wash. Filed June 21, 1948.

'TRASHMASTER'

For Weeding Machines.
Claims use since Apr. 20, 1948.

Ser. No. 586,713. United States Automatic Box Machinery Co., Inc., Boston and Roslindale, Boston, Mass. Filed Oct. 22, 1949. (Sec. 2f.)

BOND

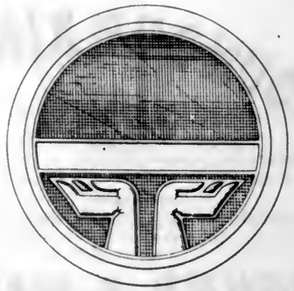
Applicant claims ownership of Registration No. 528,889.
For Package Filling Machines—Namely, Volume Packers and Volume Fillers for Fluent Materials Entering Rigid and Non-Rigid Containers.
Claims use since 1922.

Ser. No. 588,284. The Diamond Match Company, New York, N. Y. Filed Nov. 25, 1949.

BFD

For Wooden Spoons and Wooden Forks.
Claims use since 1940.

Ser. No. 599,519. Mills Industries, Incorporated, Chicago, Ill. Filed June 21, 1950.



The drawing is lined for black but without intent to limit the mark or the registration thereof to any particular color.
Applicant claims ownership of Registration No. 508,180.
For Vending Machines for Candy or the Like.
Claims use since Apr. 24, 1950.

Ser. No. 604,450. Sandusky Foundry & Machine Co., Sandusky, Ohio. Filed Oct. 4, 1950.

CHIEF SANDUSKY

For Metal Rolls for Paper-Making Machinery; Parts of Marine Machinery—Namely, Sleeves, Liners, Bushings, and Oil Rings; Miscellaneous Metal Machinery Parts—Namely, Bushings, Cylinders, Liners, Sleeves, Guides, Rolls, and Rotors.
Claims use since Mar. 1, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 576,467. New Holland Machine Company, doing business as New Holland Metals Company, New Holland and Mountville, Pa. Filed Apr. 1, 1949.

Aluma-Prop

The word "Prop" is disclaimed.
For Telescopically Adjustable Metallic Props for Supporting Clothes Lines.
Claims use since Oct. 25, 1948.

CLASS 25

LOCKS AND SAFES

Ser. No. 586,318. Sears, Roebuck and Co., Chicago, Ill. Filed Oct. 14, 1949.

ALLSTATE

Applicant claims ownership of Registration No. 303,432.
For Automobile Door Locks, Locking Gas Tank Caps.
Claims use since July 15, 1947, on automobile door locks; and since Jan. 15, 1949, on locking gas tank caps.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 574,727. Photochart, Hollywood, Calif. Filed Mar. 1, 1949. (Sec. 2f.)

PHOTOCHART

For Cameras Used for Making a Photographic Record of Contestants Crossing a Given Line of a Race.
Claims use since Sept. 1, 1938.

Ser. No. 575,016. Photo Research Corp., San Fernando, Calif. Filed Mar. 7, 1949.

SPECTRASPHERE

For Optical Lens Attachment for a Color Temperature Meter To Indicate the Proper Filter To Be Used When Dealing With Mixed Light Conditions or for Matching Color.
Claims use since Nov. 20, 1948.

Ser. No. 576,082. Terrytoons, Inc., New Rochelle, N. Y. Filed Mar. 25, 1949.

Dinky

For Series of Motion Picture Animated Cartoons.
Claims use since Mar. 14, 1949.

Ser. No. 577,125. Kent-Moore Organization, Inc., Detroit, Mich. Filed Apr. 14, 1949.

KM

Applicant claims ownership of Registration No. 263,496.
For Gauges for Use in Testing Automobile Engines, Clutches, Transmissions, Rear Axles, Front Suspensions, Springs and Shock Absorbers, Brakes and Body Assemblies, Headlight Testing Apparatus for Testing the Alignment of Automobile Headlights, and Wheel Aligners.
Claims use since October 1922.

Ser. No. 579,429. International Business Machines Corporation, New York, N. Y. Filed May 24, 1949.

IBM

For Calculating Machines, Multiplying Machines, Dividing Machines, Accounting Machines, Statistical Machines; Machines Controlled by or for Producing Accounting and Statistical Records of Various Kinds—Namely, Record Perforating Machines, Record Sorting Machines, Record Listing Machines, Record Interpreting Machines, Record Reproducing Machines, Record Verifying Machines; Examination Grading Machines, Graphic Item Counters, Record Controlled Printing Machines; Combined Machines for Comparing, Collating, and Filing Accounting and Statistical Records; Combined Machines for Sorting, Listing, and Adding; Posting Machines, Automatic Time Operated Job Cost Recording Apparatus, Automatic Time Operated Combined Job Cost and Attendance Recording Apparatus, Time Stamps, Time Dating Machines; Proof Machines—Namely, Machines for the Combined Sorting, Listing, Proving, and Endorsing of Checks, Sales Slips, and Other Accounting and Statistical Documents; Autographic Time Registers, Vehicle Traffic Recorders.
Claims use since Oct. 30, 1946.

Ser. No. 581,092. Sears, Roebuck and Co., Chicago, Ill. Filed June 25, 1949.

KEN-TIMER

The word "Timer" is disclaimed.
For Time Operated Electric Switches for Electric Stoves.
Claims use since Jan. 17, 1949.

Ser. No. 583,419. Russell L. Wright, Santa Rosa, Calif. Filed Aug. 12, 1949.

CALCUMEATER

For Manipulative Disk Chart With Informational Facts for Ascertaining the Price of Meat.
Claims use since Apr. 2, 1948.

Ser. No. 585,730. Joseph B. Walker, Hollywood, Calif. Filed Oct. 3, 1949.

ELECTRA-ZOOM

For Photographic Lenses.
Claims use since Oct. 27, 1948.

Ser. No. 592,146. Grant Storage Battery Company, Minneapolis, Minn. Filed Feb. 8, 1950. (Sec. 2f.)

GRANT

For Battery Testers and Battery Hydrometers.
Claims use since Jan. 1, 1919.

Ser. No. 595,779. Hewlett-Packard Company, Palo Alto, Calif. Filed Apr. 15, 1950.

hp

Applicant claims ownership of Registration Nos. 399,314 and 399,733.
For Audio Signal Generators, Square Wave Generators, and Audio Oscillators.
Claims use since January 1941.

Ser. No. 597,609. H. A. Hadley Associates, Incorporated, Burlington, Vt. Filed May 17, 1950.

METROGRAM

For Weighing Scales.
Claims use since Apr. 4, 1950.

Ser. No. 600,472. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed July 11, 1950.

Opalure

For Sensitized Photographic Film.
Claims use since June 3, 1950.

Ser. No. 605,247. Acousticraft Corporation, Chicago, Ill. Filed Oct. 21, 1950.

Thrift-Lite

The word "Lite" is disclaimed.
For Flash Units for Use in Photography.
Claims use since Sept. 29, 1949.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 606,394. Schwartz Manufacturing Company, Two Rivers, Wis. Filed Nov. 14, 1950.

Elgrade

For Milk Filter Discs.
Claims use since 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 537,524. Harry Waller, Baltimore, Md. Filed Oct. 10, 1947.

OIL ARROW BURNER

The drawing is lined for red and blue. The words "Oil Burner" are disclaimed.
For High Pressure Atomizing Oil Burner for Domestic Heating.
Claims use since July 5, 1945.

Ser. No. 545,424. Bayley Blower Company, West Allis, Wis. Filed Dec. 26, 1947. (Sec. 2f.)

Bayley

For Fans for Ventilating and Heating.
Claims use since May 22, 1925.

Ser. No. 554,317. The Mantle Lamp Company of America, Chicago, Ill., now by change of name Aladdin Industries, Incorporated, a corporation of Illinois. Filed Apr. 10, 1948. (Sec. 2f.)

LOX-ON

For Incandescent Mantles and Chimneys for Kerosene Mantle Lamps.
Claims use since May 1928.

Ser. No. 556,503. Arrow Petroleum Co., Forest Park, Ill. Filed Jan. 2, 1948.

Arrow

For Gun Type Fuel Oil Burners and Parts Thereof for Use in Boilers.
Claims use since May 10, 1925.

Ser. No. 583,144. The Coroaire Heater Corporation, Cleveland, Ohio. Filed Aug. 8, 1949.

THE COROAIRE HEATER

The drawing is lined for the colors red, black, and silver. The word "Heater" is disclaimed.
For Electrically Operated Air Conditioning Units—Namely, Units Which Circulate and Filter Air, Gas Fired Furnaces, Oil Burning Furnaces, and Combination Air Conditioning and Heating Units—Namely, Units Which Filter, Heat, and Circulate Cold Air and Circulate and Filter Warm Air.
Claims use since Nov. 15, 1945.

Ser. No. 589,165. Montag Stove & Furnace Works, Portland, Oreg. Filed Dec. 10, 1949.

Comfort flo

For Automatic Oil Burning Warm Air Furnaces.
Claims use since March 1948.

Ser. No. 589,538. United Conditioning Corporation, New York, N. Y. Filed Dec. 17, 1949.

Clime-matic

For Air Conditioning Units.
Claims use since Mar. 21, 1949.

Ser. No. 610,223. The Nebraska Boiler and Supply Co., Lincoln, Nebr. Filed Feb. 17, 1951.

N-B

For Steam Boilers.
Claims use since Oct. 20, 1950.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 605,041. Lee Rubber and Tire Corporation, Conshohocken, Pa. Filed Oct. 17, 1950.

STAGHOUND

Applicant claims ownership of Registration No. 206,230.
For Pneumatic Tires.
Claims use since 1925.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 558,175. Spire Records Company, Inc., Chicago, Ill. Filed May 29, 1948.

Spire

For Mechanically Grooved Phonograph Records for Mechanical Reproduction.
Claims use since Sept. 1, 1947.

Ser. No. 605,335. Tempo Record Company of America, Hollywood, Calif. Filed Oct. 23, 1950.

THEME

For Mechanically Grooved Phonograph Records.
Claims use since Nov. 21, 1949.

CLASS 37

PAPER AND STATIONERY

Ser. No. 590,284. Roneo Limited, London, England. Filed Jan. 3, 1950.

RONEO

Applicant claims ownership of British Registration No. 241,483 dated Oct. 23, 1901, and United States Registrations Nos. 182,682 and 191,497.

For Stationery Folders, Guide Cards, Tabs, and Stencils.

Ser. No. 592,265. George La Monte & Son, Nutley, N. J. Filed Feb. 10, 1950.

CASHIERS SAFETY

The word "Safety" is disclaimed. Applicant claims ownership of Registration No. 73,479.

For Safety Paper Such As Is Used for Bank Checks, Bank Drafts, and Other Checks and Drafts, Bills of Exchange, Promissory Notes, Tickets, Certificates, and All Vouchers of Value.

Claims use since Aug. 12, 1908.

Ser. No. 603,775. Ecusta Paper Corporation, Pisgah Forest, N. C. Filed Sept. 20, 1950.

ECUSTA
313

Applicant claims ownership of Registration No. 524,730.

For Bactericidal Soda Straw Wrap Paper.

Claims use since Sept. 8, 1950.

Ser. No. 603,878. Ecusta Paper Corporation, Pisgah Forest, N. C. Filed Sept. 22, 1950.

ECUSTA
313

Applicant claims ownership of Registration No. 524,730.

For Bactericidal Soda Straw Wrap Paper.

Claims use since Sept. 8, 1950.

CLASS 39

CLOTHING

Ser. No. 502,336. The Schiff Company, Columbus, Ohio, now by change of name Shoe Corporation of America, a corporation of Ohio. Original filed, act of 1905, May 17, 1946; amended to application under act of 1946, Principal Register, Sept. 5, 1947.

Blue Bird

The drawing is lined for the color blue. Applicant claims ownership of Registrations Nos. 315,867 and 100,252.

For Shoes, Particularly Children's Shoes, of Leather, Fabric, and Rubber, and Combinations Thereof.

Claims use since May 13, 1946.

Ser. No. 515,430. Joseph Kanner Hat Co., Inc., South Norwalk, Conn. Original filed, act of 1905, Jan. 8, 1947; amended to application under act of 1946, Principal Register, Jan. 4, 1951.

★CAXTON★
ALL-AMERICAN

The term "All-American" is disclaimed. Applicant claims ownership of Registration No. 403,343.

For Men's Hats.

Claims use since January 1945.

Ser. No. 516,507. Lou Schneider, Inc., New York, N. Y. Original filed, act of 1905, Jan. 28, 1947; amended to application under act of 1946, Principal Register, Nov. 25, 1950.

Bonnie Lane

"Bonnie Lane" is a fanciful name. Applicant claims ownership of Registrations Nos. 381,686 and 381,327.

For Misses' Coats and Suits.

Claims use since Sept. 15, 1945.

Ser. No. 538,757. The J. L. Hudson Company, Detroit, Mich. Filed Oct. 23, 1947.

Bob Briar

The name "Bob Briar" is fanciful. Applicant claims ownership of Registration No. 346,485.

For Suits, Trousers, Knickers, Topcoats, Overcoats, and Raincoats for Men and Boys.

Claims use since Apr. 1, 1936.

Ser. No. 543,157. Samuel Fink, doing business as Fink Bros., Utica, N. Y. Filed Dec. 3, 1947.

Lois Jean

For Ladies' Hosiery.

Claims use since 1929.

Ser. No. 547,371. Charles A. Steinberg, Inc., New York, N. Y. Filed Jan. 17, 1948.

FENMORE

For Men's, Young Men's, and Students' Suits, Overcoats, Topcoats, Pants, and Sport Jackets.

Claims use since April 1935.

Ser. No. 558,034. International Latex Corporation, Dover, Del. Filed Sept. 24, 1948

KOOLEEZ

Applicant claims ownership of Registration No. 332,369.

For Bathing, Beach, and Shower Caps and Baby Pants, All Made of Rubber.

Claims use since Apr. 11, 1935.

Ser. No. 558,455. The Boss Manufacturing Company, Kewanee, Ill. Filed June 4, 1948.

BOSS
WINNER

Applicant claims ownership of Registration No. 253,789 and others.

For Gloves and Mittens Made of Fabric and Combinations of Leather and Fabric.

Claims use since Sept. 25, 1928.

Ser. No. 562,463. Freeman Shoe Corporation, Beloit, Wis. Filed July 29, 1948. (Sec. 2f.)

BOOTMAKER GUILD

Applicant claims ownership of Registrations Nos. 387,976 and 405,239.

For Men's Shoes Constructed of Leather, Rubber, Fabric, or Combinations Thereof.

Claims use since Nov. 19, 1940.

Ser. No. 565,789. Louis Lesnick and Son, Philadelphia, Pa. Filed Sept. 24, 1948. (Sec. 2f.)

WEAR THE GAINOR Trousers TO GAIN MORE WEAR

The words "Wear the Trousers To Gain More Wear" are disclaimed.

For Men's Trousers.

Claims use since Jan. 8, 1941.

Ser. No. 566,401. Hart Schaffner & Marx, Chicago, Ill. Filed Oct. 4, 1948.

Motor Twist

The word "Twist" is disclaimed.

For Men's Suits.

Claims use since 1930.

Ser. No. 566,414. The Mister Short Company, Chicago, Ill. Filed Aug. 7, 1948.

MisterSHORT

The word "Short" is disclaimed.

For Under Shorts.

Claims use since July 7, 1943.

Ser. No. 566,588. Jayrich Footwear Co., Lynn, Mass. Filed Oct. 7, 1948.

Elfreez

For Shoes of Leather, Rubber, Fabric, and Combinations Thereof, for Men, Women, and Children.

Claims use since Jan. 10, 1946.

Ser. No. 575,492. Carson Pirie Scott & Company, Chicago, Ill. Filed Mar. 15, 1949.

tall timers...

The word "Tall" is disclaimed.

For Women's Suits, Dresses, and Coats.

Claims use since Aug. 24, 1948.

Ser. No. 575,829. Adler Sons Shoe Corp., New York, N. Y. Filed Mar. 22, 1949.



The word "Adler" is disclaimed.
For Leather Shoes and Insoles Therefor for Men.
Claims use since Mar. 19, 1949.

Ser. No. 581,298. S & J Simowitz, Inc., Augusta, Ga. Filed June 29, 1949.



The word "Best" is disclaimed.
For Ladies' Hosiery.
Claims use since May 25, 1949.

Ser. No. 581,530. Just-B-Tween Dress Manufacturing Co., Tyler, Tex. Filed July 5, 1949.

Just-B-Tween
by Fredna Anne

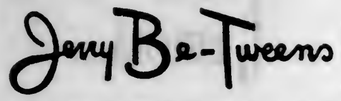
For Dresses for Teen Age Girls.
Claims use since Feb. 1, 1949.

Ser. No. 584,012. Queen Knitting Mills, Philadelphia, Pa. Filed Aug. 25, 1949.



The representation of the goods is disclaimed.
For Women's Strapless Halters for Outer Wear.
Claims use since May 16, 1949.

Ser. No. 584,551. Sport-Craft, Inc., New York, N. Y. Filed Sept. 7, 1949.



For Ladies' and Misses' Dresses, Dress Ensembles, Blouses, Suits, Jackets, Skirts, and Coats.
Claims use since June 10, 1948.

Ser. No. 586,078. Blanklette Corporation, New York, N. Y. Filed Oct. 11, 1949.



The picture of the child is fanciful. The word "Toe" is disclaimed.
For Children's Slippers.
Claims use since Mar. 11, 1949.

Ser. No. 586,654. The Rubber Corporation of California, Garden Grove, Calif. Filed Oct. 21, 1949.



The name "The Rubber Corporation of California" and the slogan "The Yardstick of Quality" are disclaimed.
For Rubber and Rubber-Canvas Boots, Shoes, Athletic Shoes, Oxfords, and Slipper-Type Shoes for Men, Boys, Youths, Women, and Misses.
Claims use since Aug. 15, 1949.

Ser. No. 587,114. Littonian Shoe Co. Littlestown, Pa. Filed Nov. 1, 1949.

"LITTLE PARADER"

For Infants' Shoes.
Claims use since Feb. 14, 1949.

Ser. No. 587,145. Eagle Clothes, Inc., New York, N. Y. Filed Sept. 19, 1949.

Scott-Barrie

The mark "Scott Barrie" is a fanciful name. Applicant claims ownership of Registrations Nos. 403,578 and 374,293.
For Women's Clothing—Namely, Coats, Topcoats, and Suits.
Claims use since Jan. 9, 1941.

Ser. No. 589,374. Bear Brand Hosiery Co., Chicago, Ill. Filed Dec. 15, 1949. (Sec. 2f.)

LITTLEFOLKS

Applicant claims ownership of Registration No. 265,241.
For Boys' and Girls' Hosiery.
Claims use since Oct. 13, 1928.

Ser. No. 593,213. Berkshire Knitting Mills, Wyomissing, Pa. Filed Mar. 1, 1950.

Nyseta

For Women's Full-Fashioned Hosiery.
Claims use since Jan. 31, 1950.

Ser. No. 593,214. Berkshire Knitting Mills, Wyomissing, Pa. Filed Mar. 1, 1950.

Serinyl

For Women's Full-Fashioned Hosiery.
Claims use since Jan. 31, 1950.

Ser. No. 593,215. Berkshire Knitting Mills, Wyomissing, Pa. Filed Mar. 1, 1950.

Sillon

For Women's Full-Fashioned Hosiery.
Claims use since Jan. 31, 1950.

Ser. No. 597,578. Burlington Mills Corporation, Greensboro, N. C. Filed May 17, 1950.



The word "Quality" is disclaimed. Applicant claims ownership of Registration No. 519,409.
For Men's, Women's, and Children's Hosiery.
Claims use since June 18, 1940.

Ser. No. 598,295. Dream Hosiery Mills, Inc., Baltimore, Md. Filed May 29, 1950.

Beautiful Dream

The word "Beautiful" is disclaimed.
For Ladies' Hosiery.
Claims use since Sept. 1, 1949.

Ser. No. 601,490. Catawba Hosiery Mills, Inc., Catawba, N. C. Filed July 31, 1950.

CATAWBA

For Women's, Boys', Girls', and Infants' Hosiery.
Claims use since July 1946.

Ser. No. 601,491. Catawba Hosiery Mills, Inc., Catawba, N. C. Filed July 31, 1950.

K&G

For Women's, Boys', Girls', and Infants' Hosiery.
Claims use since Aug. 28, 1948.

Ser. No. 602,000. Sanson Hosiery Mills, Inc., Philadelphia, Pa. Filed Aug. 9, 1950. (Sec. 2f.)

Willy's

Applicant claims ownership of Registration No. 364,896.
For Women's Hosiery.
Claims use since November 1923.

Ser. No. 602,001. Sanson Hosiery Mills, Inc., Philadelphia, Pa. Filed Aug. 9, 1950. (Sec. 2f.)

Willy's OF HOLLYWOOD

The words "Of Hollywood" are disclaimed. Applicant claims ownership of Registration No. 364,896.
For Women's Hosiery.
Claims use since November 1923.

Ser. No. 602,363. Cluett, Peabody & Co. Inc., Troy, N. Y. Filed Aug. 18, 1950.

AFRICANA

For Men's and Boys' Underwear.
Claims use since June 1, 1950.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 577,618. Switzer Brothers, Inc., Cleveland, Ohio. Filed Apr. 23, 1949.

DAY-GLO

The word "Glo" is disclaimed. Applicant claims ownership of Registrations Nos. 440,040 and 535,964.
For Ribbons in Cut Lengths, for Lingerie Shoulder Straps, Wristwatch Straps, and the Like, Gorings, Braid-

ings, Decorative Braids, Lacings, Galloons, Pipings, Bindings, and Stripping for Shoes and Slippers, Spangles, Combs, Buttons, and Barettes.
Claims use since Aug. 21, 1944.

Ser. No. 597,407. Marrow Manufacturing Co., New York, N. Y., assignor to Marrow Mfg. Corp., New York, N. Y. Filed May 13, 1950. (Sec. 2f.)

Fleurette

Applicant claims ownership of Registration No. 372,142.
For Artificial Flowers To Be Worn on the Person, in the Form of Millinery and Dress Decoration.
Claims use since June 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 560,901. La France Industries, New York, N. Y. Filed July 8, 1948. (Sec. 2f.)

La France

Applicant claims ownership of Registration No. 210,853.
For Cut Pile Fabrics, Loop Pile Fabrics, Tapestries, Brocatelles, Furniture Satins, and All-Cotton Matelasse.
Claims use since 1923.

Ser. No. 597,276. Innes, Chambers & Company Limited, Peebles, Scotland. Filed May 11, 1950.



All the wording is disclaimed. Applicant claims ownership of British Registration No. 677,338 dated Feb. 24, 1949.
For Piece Goods Wholly of Wool.

Ser. No. 598,481. Johns-Manville Corporation, New York, N. Y. Filed June 2, 1950.

Colorbestos

For Drapery Fabrics Comprising Cotton and Asbestos Fibers, and Drapery Fabrics Comprising Rayon and Asbestos Fibers.
Claims use since May 5, 1950.

Ser. No. 599,228. C. M. De Land, New York, N. Y. Filed June 16, 1950.

Tally-Ho

Applicant claims ownership of Registrations Nos. 371,369 and 387,811.
For Woolen Piece Goods.
Claims use since May 5, 1919.

Ser. No. 599,780. Ramie Products Corp., Pittsburgh, Pa. Filed June 26, 1950.



For Woven Netted Fabrics Made of Ramie Yarn.
Claims use since May 1, 1950.

Ser. No. 601,566. Quintard Fabrics, Inc., New York, N. Y. Filed Aug. 1, 1950.

Quintana

For Velveteen Fabrics of Cotton Fibers.
Claims use since July 11, 1950.

Ser. No. 601,906. Hego Fabrics, Inc., New York, N. Y. Filed Aug. 8, 1950.

MILISHEEN

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Combinations Thereof.
Claims use since Mar. 20, 1950.

Ser. No. 601,972. American Twine & Fabric Corporation, Portsmouth, N. H. Filed Aug. 9, 1950.

LUSTROFINE

For Woven Paper Fibre Fabric.
Claims use since Sept. 6, 1949.

Ser. No. 602,438. Collins & Aikman Corporation, Philadelphia, Pa. Filed Aug. 19, 1950. (Sec. 2f.)

"DOESKIN VELVET"

The word "Velvet" is disclaimed. Applicant claims ownership of Registrations Nos. 359,426 and 365,779.
For Pile Fabrics Comprising Cotton, Silk, Wool, Mohair, Synthetic Threads, and/or Blends of the Same in the Piece and Cut Lengths.
Claims use since June 9, 1937.

Ser. No. 602,565. Owens-Corning Fiberglas Corporation, Toledo, Ohio. Filed Aug. 22, 1950.

CORONIZED

For Fabrics of Cotton, Wool, Glass, or Synthetic Fibers, Particularly Glass Fabrics.
Claims use since June 3, 1948.

Ser. No. 602,717. Rockville Fabrics Corp., New York, N. Y. Filed Aug. 24, 1950.

Insulfab

For Fabrics in the Piece of Wool, Cotton, and Synthetic Fibers.
Claims use since Aug. 7, 1950.

Ser. No. 603,109. Burlington Mills Corporation, Greensboro, N. C. Filed Sept. 2, 1950.

GRAND TOUR COLORS

The word "Colors" is disclaimed.
For Piece Goods of Synthetic Fibers Alone and in Admixture With Cotton, Wool, or Silk.
Claims use since Aug. 17, 1950.

Ser. No. 603,446. D. B. Fuller & Co., Inc., New York, N. Y. Filed Sept. 12, 1950.

KRINKLE-FROST

The word "Krinkle" is disclaimed.
For Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Apr. 29, 1948.

Ser. No. 603,595. Nye-Wait Company, Inc., Auburn, N. Y. Filed Sept. 15, 1950.

QUALITONE

Applicant claims ownership of Registration No. 372,248.
For Textile Rugs and Carpets.
Claims use since June 1, 1939.

Ser. No. 603,946. Traub-Lyons-Oppenheim, Inc., New York, N. Y. Filed Sept. 23, 1950.

TELOLIN

Applicant claims ownership of Registrations Nos. 384,201 and 415,700.
For Piece Goods of Wool, Cotton, Rayon, Nylon, and/or Silk or Combinations Thereof.
Claims use since June 30, 1950.

Ser. No. 607,439. Glenn C. Minick, doing business under the name Sunbeam Products, St. Petersburg, Fla. Filed Dec. 8, 1950.



For Towels.
Claims use since Aug. 3, 1949.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 578,540. Smith & Underwood, Royal Oak, Mich. Filed May 10, 1949.

NIPPINS

For Clip Fasteners for Securing Cloth Wrappings Around Surgical Pads During Sterilization.
Claims use since Mar. 29, 1949.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 574,155. Naaml. Venn. Distilleerderij Likeurstokerij, Limonade- En Extractenfabriek Van C. Polak Gzn., Groningen, Netherlands. Filed Feb. 19, 1949.

Ranja

Applicant claims ownership of Dutch Registration No. 74,816, dated Oct. 7, 1939.
For Syrups for Fruit Flavored Non-Alcoholic Maltless Soft Drinks, and for Fruit Flavored Non-Alcoholic Maltless Soft Drinks.

Ser. No. 578,749. Adolph Westphal, River Forest, Ill. Filed May 12, 1949.

RED LABEL

No claim is made to the exclusive right to a label colored red. Applicant claims ownership of Registration No. 198,510.

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Concentrates for Making the Same.

Claims use since May 1, 1919.

Ser. No. 583,407. The H. R. Nicholson Company, trading as The Syrup Products Company, Baltimore, Md. Filed Aug. 12, 1949.

KLOU-DENE

For Chemical Clouding Preparation for Use in Making Non-Alcoholic Maltless Soft Drinks.

Claims use since Aug. 1, 1949.

Ser. No. 594,495. Matthias Rothstein, doing business as Rola Extract Company, Erie, Pa. Filed Mar. 23, 1950.

Pinky

For Non-Alcoholic Maltless Soft Drinks.

Claims use since Mar. 2, 1950.

Ser. No. 602,329. Ozmun and Company, Lawton, Okla. Filed Aug. 17, 1950.

SOONER

Applicant claims ownership of Registration No. 536,893.

For Grape Juice.

Claims use since Aug. 1, 1948.

Ser. No. 602,852. Orange Smile Sirup Company, St. Louis, Mo. Filed Aug. 28, 1950.

PINKY

For Nonalcoholic Maltless Beverages Sold as Soft Drinks and Flavoring Syrups for Making the Same.

Claims use since Jan. 23, 1950.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 521,003. Ehrhart-Conrad Company, Hanover, Pa. Original filed, act of 1905, Apr. 19, 1947; amended to application under act of 1946, Principal Register, Nov. 3, 1947.

ECCO

For Canned Vegetables, Citrus Fruit Juices, Vegetable Juices, Canned Beans With Pork, Coffee, and Vegetable Purées.

Claims use since 1902.

Ser. No. 538,743. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Filed Oct. 23, 1947.

GOLD MEDAL CREAM OF RYE

The word "Rye" is disclaimed. Applicant claims ownership of Registrations Nos. 230,227, 13,253, 61,763, 61,788, 281,206, and 291,863.

For Rye Flour.

Claims use since Jan. 3, 1947.

Ser. No. 543,986. The Procter & Gamble Company, Cincinnati, Ohio. Filed Dec. 10, 1947. (Sec. 2f.)

ATLAS

Applicant claims ownership of Registration No. 104,587.

For Salad Oil of Vegetable Origin.

Claims use since Jan. 7, 1914.

Ser. No. 545,437. California Consumers Corporation, Los Angeles, Calif. Filed Dec. 26, 1947. (Sec. 2f.)

Tru Froz-n

Applicant claims ownership of Registrations Nos. 389,651, 362,493, 362,491, 362,492, 380,146, and 531,637.

For Frozen Fresh Vegetables.

Claims use since Sept. 9, 1937.

Ser. No. 546,391. Hygrade Food Products Corporation, New York, N. Y. Filed Jan. 7, 1948. (Sec. 2f.)

HYGRADE

Applicant claims ownership of Registration No. 142,579.

For Frankfurters, Smoked Sausage, Pigs Feet, Pig Hocks, Veal Tongues, Pork Sausage, Pork Tongues, Rendered Pork Fat, Pure Lard, Meat Loaf, Lamb Tongues, Thuringer, Bologna, Tongue, and Blood Sausage, Salami, Liver Cheese, Macaroni, and Process Cheese Loaf, Head Cheese, Creamery Butter, Sliced Dried Beef.

Claims use since January 1915.

Ser. No. 546,809. Winston and Newell Company, Minneapolis, Minn., and Wilmington, Del. Filed Jan. 12, 1948.

RED ROOSTER

For Coffee.

Claims use since July 1, 1937.

Ser. No. 550,066. Manuel Pedrol, Sociedad Anonima, Tarragona, Spain. Filed Feb. 18, 1948.

DUC

Applicant claims ownership of Spanish Registration No. 29,115, dated Feb. 13, 1917.

For Olive Oil.

Ser. No. 550,266. Skookum Packers Association, Wenatchee, Wash. Filed Feb. 20, 1948. (Sec. 2f.) COLLECTIVE MARK.

Satisfactoree

Applicant claims ownership of Registration No. 165,877.

For Fresh Apples.

Claims use since 1919.

Ser. No. 552,124. The Colorado Milling & Elevator Co., doing business under the style name of St. Anthony Flour Mills, Denver, Colo. Filed Mar. 17, 1948.

LONE PINE

The drawing is lined to indicate red color.

For Wheat Flour.

Claims use since Sept. 9, 1922.

Ser. No. 552,650. Glendora Citrus Association, Glendora, Calif. Filed Mar. 22, 1948.

GLENDORA HOME

The word "Glendora" is disclaimed. Applicant claims ownership of Registrations Nos. 354,461 and 354,462.

For Fresh Citrus Fruits.

Claims use since 1911.

Ser. No. 555,144. The Borden Company, New York, N. Y. Filed Apr. 21, 1948. (Sec. 2f.)

GOLDEN WHIP

For Product in Dry, Powdered Form, Consisting of a Mechanical Mixture of Powdered Egg Yolk and Powdered Modified Milk Proteins for Use in the Preparation of Foods.

Claims use since Mar. 14, 1938.

Ser. No. 556,815. Puccinelli Packing Company, Turlock, Calif. Filed May 11, 1948.

TRU-LEE

For Dried and Dehydrated Fruits; Dehydrated Vegetables; Canned Fruits; and Canned Vegetables.

Claims use since Sept. 1, 1933.

Ser. No. 560,609. Albert Ehlers, Inc., Brooklyn, N. Y. Filed July 2, 1948. (Sec. 2f.)

RUSSIAN BLOSSOM

Applicant claims ownership of Registration No. 339,268

For Tea.

Claims use since 1915.

Ser. No. 561,706. Aceites Bau, S. A., Madrid, Spain. Filed July 20, 1948. (Sec. 2f.)



All wording, with the exception of "Bau," is disclaimed. Applicant claims ownership of Registration No. 134,341.
For Olive Oil.
Claims use since January 1909; and since January 1909 in commerce between Spain and the United States.

Ser. No. 562,936. Emanuel M. James, doing business as Service Poultry Market, Chicago, Ill. Filed Aug. 6, 1948.

VITE-O-ZEST



For Dressed Poultry.
Claims use since Feb. 1, 1946.

Ser. No. 569,386. Manley, Inc., Kansas City, Mo. Filed Nov. 20, 1948.



The word "Pop" is disclaimed.
For Popped and Buttered Popcorn, and for Salt Sold for Use on Popcorn.
Claims use since Apr. 14, 1947.

Ser. No. 572,863. New York Coal Sales Company, Columbus, Ohio. Filed Jan. 26, 1949.



FLAVOR CHIEF

The word "Flavor" is disclaimed. The picture of the Indian is fanciful.
For Fresh Apples.
Claims use since Sept. 14, 1948.

Ser. No. 575,506. Nuchief Sales, Inc., Wenatchee, Wash., by change of name from Washington Sales, Inc. Filed Mar. 15, 1949.



The representation of the apple is disclaimed. The representation of the Indian is fanciful.
For Fresh Apples.
Claims use since September 1947.

Ser. No. 583,093. Mead Johnson & Company, Evansville, Ind. Filed Aug. 6, 1949.

POLY-VI-SOL

Applicant claims ownership of Registration No. 419,573.
For Liquid Food Preparation Containing Vitamins A, D, C, Thiamin, Riboflavin, and Niacinamide in Water Dispersible Form.
Claims use since May 3, 1949.

Ser. No. 584,618. Georgia Pecan Company, Cairo, Ga. Filed Sept. 9, 1949.



The faces shown in the drawing are fanciful. The word "Choice" is disclaimed.
For Unshelled Pecans.
Claims use since Oct. 20, 1939.

Ser. No. 584,871. Ramsey Popcorn Co., Ramsey, Ind. Filed Sept. 15, 1949.



The representation of the goods and the word "Pop" are disclaimed.
For Unpopped Popcorn.
Claims use since Nov. 1, 1946.

Ser. No. 585,989. H. C. Bergart Co., Chicago, Ill. Filed Oct. 8, 1949.

VIDED

For Fresh Vegetables and Fruits—Namely, Onions, Cabbage, Potatoes, and Oranges.
Claims use since June 30, 1949.

Ser. No. 586,492. Clyde Miller, doing business as Western Meat Distributors, and also doing business as Western Meat Dist. Co., Los Angeles, Calif. Filed Oct. 18, 1949.

WEST-HO

For Chopped Frozen Horse Meat for Human or Animal Consumption.
Claims use since Apr. 8, 1949.

Ser. No. 587,287. Roegelein Provision Company, San Antonio, Tex. Filed Nov. 3, 1949. (Sec. 2f.)

Roegelein's

For Fresh, Canned, and Cured Ham, Fresh Pork, Bacon, Fresh Pork Sausage, Dry Sausage, i. e., Cervelats, Salami, Bologna, Frankfurters, Liver Sausage, Polish and Smoked Ring Sausage, Canned Luncheon Meats, Pickled Pig's Feet, Fresh Beef, Fresh Veal, Fresh Lamb, Fresh Mutton, and Lard.
Claims use since June 15, 1943.

Ser. No. 587,641. Maltex Company, Burlington, Vt. Filed Nov. 10, 1949.



The portrait is that of Rosemary O'Flynn, and consent to use and register this portrait is filed herewith. The drawing is stippled to indicate shading. Applicant claims ownership of Registrations Nos. 35,599, 439,068, and 438,534.
For Breakfast Cereal.
Claims use since Aug. 8, 1949.

Ser. No. 588,577. Grocery Store Products Co., New York, N. Y. Filed Nov. 30, 1949.

folds

Applicant claims ownership of Registrations Nos. 82,507 and 388,546.
For Alimentary Paste Products—Namely, Spaghetti, Macaroni, and Sea Shells.
Claims use since December 1943.

Ser. No. 589,820. The Buckeye Cotton Oil Company, Cincinnati, Ohio. Filed Dec. 17, 1949. (Sec. 2f.)

BUCKEYE

Applicant claims ownership of Registrations Nos. 320,544 and 119,428.
For Livestock Feeds—Namely, Cottonseed Meal, Cottonseed Hulls and Soya Bean Meal and/or Mixtures Thereof.
Claims use since 1902.

Ser. No. 590,980. The Herrman-McLean Company, Cleveland, Ohio. Filed Jan. 17, 1950.

PORTAGE

Applicant claims ownership of Registration No. 328,281.
For Feed for Livestock—Namely, Horses, Mules, Cattle, Hogs, and Sheep—and Poultry Feed.
Claims use since Apr. 20, 1914.

Ser. No. 594,107. Delta Products Company, Wilson, Ark. Filed Mar. 17, 1950.

DELPRO

For Vegetable Shortening.
Claims use since Nov. 23, 1949.

Ser. No. 594,523. Cremix Company, Chicago, Ill. Filed Mar. 24, 1950.

DARISERT

For Ice Milk Mix.
Claims use since Feb. 23, 1950.

Ser. No. 602,255. Foods, Incorporated, New London, Wis. Filed Aug. 16, 1950.

LONDON LODGE

The word "London" is disclaimed.
For Pickles and Pickle Relish.
Claims use since Apr. 3, 1940.

Ser. No. 602,408. Kings County Packing Company, Ltd., San Francisco, Calif. Filed Aug. 18, 1950.

OLD IVORY

Applicant claims ownership of Registration No. 266,681.
For Canned Fruits and Canned Vegetables.
Claims use since Sept. 14, 1929.

Ser. No. 602,701. The Kelling Nut Co., Chicago, Ill. Filed Aug. 24, 1950.

Friendly Treat

The word "Treat" is disclaimed. Applicant claims ownership of Registration No. 528,051.
For Salted Nuts.
Claims use since Nov. 15, 1949.

Ser. No. 603,108. The Borden Company, New York, N. Y. Filed Sept. 2, 1950.

MONO-LIZER

Applicant claims ownership of Registration No. 435,880.
For Ice Cream Stabilizers.
Claims use since June 29, 1950.

Ser. No. 603,379. Purity Bakeries Corporation, Chicago, Ill. Filed Sept. 9, 1950.

Cook Book

The small squares comprising the letters "C" and "B" are lined for red. Applicant claims ownership of Registration No. 231,077.
For Cakes and Doughnuts.
Claims use since May 1942.

Ser. No. 604,330. Supreme Feed Mills, Glasgow, Ky. Filed Oct. 2, 1950.

PREMO

For Livestock Feed—Namely, Dairy Feeds.
Claims use since March 1946.

Ser. No. 604,661. O. R. Recker, doing business as O. R. Recker Packing Co., Phoenix, Ariz. Filed Oct. 9, 1950. (Sec. 2f.)

RECKER

Applicant claims ownership of Registration No. 320,276.
For Fresh Lettuce and Fresh Cantaloupes.
Claims use since Dec. 1, 1932.

Ser. No. 604,675. Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Filed Oct. 9, 1950.

CAPERS

Applicant claims ownership of Registration No. 353,917.
For Candy.
Claims use since Jan. 27, 1937.

Ser. No. 604,875. John M. Vogtmann, doing business under the name and style Wenonah Flouring Mills, Bay City, Mich. Filed Oct. 13, 1950.



For Pastry Flour.
Claims use since Sept. 29, 1950.

Ser. No. 604,931. Richey & Gilbert Company, doing business under the name Snow Mountain Orchard, Yakima, Wash. Filed Oct. 14, 1950.



For Gift Packages of Fresh Apples or of Fresh Pears, or of the Two Combined.
Claims use since Oct. 1, 1949.

Ser. No. 606,190. Hunt Foods, Inc., Fullerton and South San Francisco, Calif. Filed Aug. 17, 1950. (Sec. 2f as to "Hunt's.")

Hunt's FONTANA

Applicant claims ownership of Registrations Nos. 437,875, 397,355, and others.
For Macaroni and Spaghetti.
Claims use since July 5, 1945, as to the mark shown; since February 1922 as to "Fontana"; and since January 1944 as to "Hunt's."

CLASS 47

WINES

Ser. No. 551,558. Garrett & Company, Inc., Brooklyn, N. Y. Filed Mar. 9, 1948.



The lining and stipples on the drawing are for shading. The portrait shown is fanciful. The name is that of a deceased historical celebrity. Applicant claims ownership of Registrations Nos. 88,670, 119,692, 124,841, and 125,430.
For Wines.
Claims use since 1891.

Ser. No. 577,836. Wine Growers Guild, Lodi, Calif. Filed Apr. 27, 1949.



The words "Vino da Tavola" are disclaimed. Applicant claims ownership of Registrations Nos. 410,724, 412,472, and others.
For Wines.
Claims use since Mar. 25, 1949.

Ser. No. 597,149. House of Old Molineaux, Inc., Boston, Mass. Filed May 9, 1950. (Sec. 2f.)

Old Molineaux

Applicant claims ownership of Registration No. 323,191.
For Wines.
Claims use since Dec. 9, 1933.

Ser. No. 609,042. Madrone Vineyards, doing business as Almaden-Madrone Vineyards and Nob Hill Vintners, Madrone, Calif. Filed Jan. 20, 1951.



The drawing is lined for shading.
For Wines.
Claims use since Aug. 4, 1948.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 560,536. N. V. Brouwerij d'Oranjeboom, Rotterdam, Netherlands. Filed July 1, 1948.

GOLDEN TREE

Applicant claims ownership of Dutch Registration No. 87,224, dated Feb. 1, 1947.
For Beer.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 570,199. Esbeco Distilling Corporation, Stamford, Conn. Filed Dec. 8, 1948.

Kentucky Blue Blood

The term "Kentucky" is disclaimed.
For Whiskey.
Claims use since June 25, 1934.

Ser. No. 573,164. Captain Morgan Rum Distillers (Jamaica) Ltd., Kingston, Jamaica, British West Indies. Filed Feb. 2, 1949.



The words "Product of Jamaica" are disclaimed. The portrait is intended to represent Captain Morgan, a famous historical personality.

For Rum.

Claims use since Oct. 14, 1948; and first used in commerce between Jamaica and the United States on Oct. 28, 1948.

Ser. No. 580,630. The Straight Whiskey Distilling Company of America, New York, N. Y. Filed June 16, 1949.

HIGH BRED

For Whiskey.

Claims use since Dec. 27, 1948.

Ser. No. 598,929. Joseph E. Seagram & Sons, Inc., New York, N. Y. Filed June 10, 1950.



Applicant claims ownership of Registrations Nos. 315,023, 315,024, 315,137, and others.

For Alcoholic Beverages—Namely, Whiskey.

Claims use since June 2, 1947, as to the mark shown; and since Feb. 9, 1934, as to the mark "Seagram's Seven 7 Crown."

Ser. No. 601,048. Hunter-Wilson Distilling Co., Inc., New York, N. Y. Filed July 21, 1950.



Applicant claims ownership of Registrations Nos. 361,321, 322,677, and others.

For Distilled Liquors, Particularly Whiskey.

Claims use since 1870.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 578,253. Bell Enterprises, Santa Ana, Calif. Filed May 5, 1949.

Belkade

For Metal Road Barricade, Wherein the Bar and Legs Are Covered With a Luminescent or Reflective Material To Act Both as a Physical Barricade and a Warning Signal.

Claims use since Mar. 15, 1949.

Ser. No. 608,970. W. Goebel Porzellanfabrik Oeslau und Wilhelmsfeld, Oeslau Bei Coburg, Germany. Filed Aug. 9, 1950.



The trade-mark comprises the pictorial representation of a bee and the letter "V."

For Earthenware Figures and Wall Plaques.

Claims use since April 1950 in Germany; and since April 1950 in commerce between Germany and the United States of America, and among the several States of the United States of America.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 575,470. Identacode, Ltd., Santa Monica, Calif. Filed Mar. 15, 1949.

Identacode

For Providing Means for the Identification of Lost or Stolen Dogs Through the Process of Tattooing Dogs With Code Identifications and Maintaining Records in the Office of Applicant and With Owners and in Other Appropriate Places Whereby the Owners of the Dogs can be Readily Identified and Located.

Claims use since Nov. 5, 1947.

Ser. No. 599,209. Advertising Research Bureau, Inc., Seattle, Wash. Filed June 16, 1950.



For Testing, Analysis, and Reporting of the Effectiveness of Newspaper and Radio Advertising and Advertising by Other Media.

Claims use since Apr. 1, 1950.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 569,092. Sterling E. Norcross, Bloomfield, N. J. Filed Nov. 19, 1948.

SELEVISION

Applicant claims ownership of Registration No. 422,936.

For Advertising Service—Namely, Creating Visual Advertising Material To Be Used by Clients in Advertising Their Goods by Television and Other Sales Promotion Media.

Claims use since Dec. 24, 1937.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 569,202. Hardware Mutual Casualty Company, Stevens Point, Wis. Filed Nov. 22, 1948. (Sec. 2f.)

Policy Back of the Policy

For Casualty and Liability Insurance.

Claims use since April 1943.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 599,275. Standard Laundry Company, Jersey City, N. J. Filed June 16, 1950.

Stericlean

The word "Clean" is disclaimed.

For Cleaning of Pillows, Mattresses, Furs, and Furniture for Destroying All Moth Larva and Insects by Fumigation, Steam, and Heat; and for General Dry Cleaning and Hat Renovating.

Claims use since Feb. 27, 1950.

CLASS 106

MATERIAL TREATMENT

Ser. No. 550,633. Waterbury Companies, Incorporated, Waterbury, Conn. Filed Feb. 26, 1948.



Applicant claims ownership of Registrations Nos. 512,248 and 413,118.

For Custom Molding of Plastic and Metal Products.

Claims use since May 1, 1944.

Ser. No. 594,862. Standard Pipeprotection Inc., St. Louis, Mo. Filed Mar. 29, 1950.



The representation of a pipe is disclaimed.

For Treating Metal Pipe for Protecting it Against Rust and Corrosion, Such Treatment Comprising Coating the Pipe With Hot Coal Tar, Then Wrapping the Pipe With Asbestos Felt, Then Wrapping Again With Heavy Paper.

Claims use since July 1948.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,527. Tufting Twine for Use by Mattress Manufacturers and Upholsterers. The Linen Thread Co., Inc., Paterson, N. J.
Filed June 6, 1947, Serial No. 523,688. Published May 2, 1950. Class 7.

ACT OF 1946, PRINCIPAL REGISTER

544,706. Candy. Constantine E. Karambelas, doing business under the name Connie's Food Products, Portland, Oreg.
Original filed, act of 1920, Mar. 13, 1946; amended to application under act of 1946, Principal Register, Nov. 25, 1949, Serial No. 498,147. Published Apr. 17, 1951. Class 46.

544,707. Packaged Food Product—Namely, Corn Chips. Wallace L. Mayfield, doing business as Corno Products Company, Houston, Tex.
Original filed, act of 1905, June 3, 1946; amended to application under act of 1946, Principal Register, Apr. 7, 1948, Serial No. 503,193. Published Apr. 17, 1951. Class 46.

544,708. Sausage Seasoning Applied to the Cut Sausage Meat, Etc. The Dan Perkins Company, Memphis, Tenn.
Original filed, act of 1905, June 11, 1946; amended to application under act of 1946, Principal Register, Dec. 13, 1950, Serial No. 503,664. Published Apr. 17, 1951. Class 46.

544,709. Specially Prepared Ferrous Metal Products, not Capable of General Use, Etc. Armco Steel Corporation, Middletown, Ohio, by change of name from The American Rolling Mill Company.
Filed July 5, 1947, Serial No. 527,737. Published Apr. 10, 1951. Class 12.

544,710. Candy in Colored Granular or Other Finely Divided Form Adapted for Use as Decoration on Various Food Preparations. Farley Manufacturing Company, Chicago, Ill.
Filed July 26, 1947, Serial No. 529,619. Published Mar. 20, 1951. Class 46.

544,711. Honey. Richard V. Dexter, doing business as Dexter's Honey Butter, Ellensburg, Wash.
Filed Aug. 11, 1947, Serial No. 531,021. Published Feb. 27, 1951. Class 46.

544,712. Carcass Beef, Lamb, and Veal; Bacon; Sausage—Namely, Salami, Etc. Armour and Company, Chicago, Ill.
Filed Aug. 21, 1947, Serial No. 531,976. Published Feb. 27, 1951. Class 46.

544,713. Butter. Armour and Company, doing business as Armour Creameries, Chicago, Ill.
Filed Aug. 21, 1947, Serial No. 531,980. Published Apr. 17, 1951. Class 46.

544,714. Perfumes. Marian Bialac, Inc., New York, N. Y.
Filed Aug. 28, 1947, Serial No. 532,982. Published Mar. 21, 1950. Class 51.

544,715. Photographic Equipment Other Than Cameras—Namely, Tripods, Tripod Attachments, View Finders, Photo-Flood and Flash Lamp Holders. Arrowhead, Inc., Denver, Colo.
Filed Sept. 22, 1947, Serial No. 535,214. Published Mar 27, 1951. Class 26.

544,716. Coffee. Southland Coffee Company, Atlanta, Ga.
Filed Sept. 30, 1947, Serial No. 536,302. Published Feb. 13, 1951. Class 46.

544,717. Ladies' and Misses' Hosiery. Valcort Hosiery Corporation, New York, N. Y.
Filed Oct. 22, 1947, Serial No. 538,680. Published Apr. 17, 1951. Class 39.

544,718. Electrical Test Equipment and Apparatus Which Provides a Plurality of Variable Voltage Sources at Variable Frequencies for Test Purposes. Bendix Aviation Corporation, Detroit, Mich. and Teterboro, N. J.
Filed Oct. 28, 1947, Serial No. 539,257. Published Apr. 3, 1951. Class 26.

544,719. Ladies' Sanitary Belts and Men's Athletic Supporters. Sturm & Scheinberg, Inc., New York, N. Y.
Filed Nov. 6, 1947, Serial No. 540,339. Published Apr. 17, 1951. Class 44.

544,720. Canned Fruits. F. M. Ball & Company, Oakland, Calif.
Filed Nov. 10, 1947, Serial No. 540,630. Published Feb. 13, 1951. Class 46.

544,721. Fresh and Salted Fish. Booth Fisheries Corporation, Chicago, Ill.
Filed Nov. 28, 1947, Serial No. 542,529. Published Apr. 3, 1951. Class 46.

544,722. Wearing Apparel for Women and Children, Etc. Hattie Carnegie, Inc., New York, N. Y.
Filed Jan. 14, 1948, Serial No. 546,952. Published Apr. 17, 1951. Class 39.

544,723. Corsets, Corset Belts, and Elastic Belts of the Corset Type for General Wear; Brassières; Girdles; Knee Supporters and Ankle Supporters. F. Longdon & Company Limited, Derby, England.
Filed Jan. 21, 1948, Serial No. 547,640. Published Apr. 10, 1951. Class 39.

544,724. Bread. Ark Bakers, Inc.; Wichita, Kans., assignor to C. J. Patterson Company, Kansas City, Mo., a corporation of Missouri.
Filed Feb. 28, 1948, Serial No. 550,769. Published Apr. 17, 1951. Class 46.

544,725. Dresses for Children and Junior Misses. C. & K. Manufacturing Company, Lomita, Calif.
Filed Feb. 28, 1948, Serial No. 550,780. Published Apr. 17, 1951. Class 39.

544,726. Frozen Whole Eggs, Egg Whites, and Yolks. Ovson Egg Company, Chicago, Ill.
Filed Mar. 1, 1948, Serial No. 550,932. Published Apr. 10, 1951. Class 46.

544,727. Cameras, Aero-Cameras; Motion-Picture Cameras and Projectors, Etc. Meopta, Spojene Zavody pro Jemnou Mechaniku a Optiku, Narodni Podnik, Prerov, Czechoslovakia.
Filed Mar. 10, 1948, Serial No. 551,649. Published Mar. 6, 1951. Class 26.

544,728. Rubber Sheeting, Rubber Crib Sheeting, and Rubber Blankets. Archer Rubber Company, Milford, Mass.
Filed Mar. 11, 1948, Serial No. 551,677. Published Apr. 17, 1951. Class 50.

544,729. Canned Shrimp. The Great Atlantic and Pacific Tea Company, New York, N. Y.
Filed Mar. 11, 1948, Serial No. 551,710. Published Feb. 27, 1951. Class 46.

544,730. Wheat Flour. W. J. Jennison Company, Minneapolis, Minn.
Filed Apr. 5, 1948, Serial No. 553,863. Published Feb. 6, 1951. Class 46.

544,731. Perfume Atomizers. Elizabeth Ames, Incorporated, New York, N. Y.
Filed May 25, 1948, Serial No. 557,716. Published Apr. 10, 1951. Class 44.

544,732. Open-Type Flooring Made of Metal. Gustav J. Bostrom, doing business as Supergrate Open Steel Flooring Co., Los Angeles, Calif.
Filed May 25, 1948, Serial No. 557,725. Published Jan. 30, 1951. Class 12.

544,733. Loaves of Bread, Bread Rolls in Packages, Cinnamon Rolls in Packages, and Buns in Packages. The Mitchell Bakery, Independence, Kans.
Filed June 3, 1948, Serial No. 558,408. Published Apr. 10, 1951. Class 46.

544,734. Mustard. Mother Kern's Products, Inc., Chicago, Ill.
Filed June 5, 1948, Serial No. 558,576. Published Mar. 20, 1951. Class 46.

544,735. Wheat Flour and Corn Meal. E. P. Mitchell Company, Kansas City, Mo.
Filed June 12, 1948, Serial No. 559,110. Published Mar. 28, 1950. Class 46.

544,736. Automobile Tires. Clarence E. Erdman, doing business as C. E. Erdman Tire and Rubber Company, Baltimore, Md.
Filed July 22, 1948, Serial No. 561,912. Published Apr. 10, 1951. Class 35.

544,737. Sputum Cups, Sputum Cup Holders, and Hemorrhage Cups or Cuspidors Designed for Use by Invalids or Sick Persons. Burnitol Manufacturing Co., Boston, Mass.
Filed July 23, 1948, Serial No. 562,026. Published Apr. 10, 1951. Class 44.

544,738. Canned Ham, Smoked Ham, Bulk Pure Pork Sausage, Bacon, Smoked Butts, Canned Chopped Ham, Canned Spiced Luncheon Meat. Rose Packing Company, Inc., Chicago, Ill.
Filed June 4, 1948, Serial No. 563,527. Published Mar. 20, 1951. Class 46.

544,739. Precision Equipment for Layout and Inspection—Namely, Layout Surface Plate, Etc. The Challenge Machinery Company, Grand Haven, Mich.
Filed Sept. 20, 1948, Serial No. 565,477. Published Mar. 27, 1951. Class 26.

544,740. Ice Cream Powders, Consisting in a Combination of Pure Food Ingredients in Powder Form for Making and/or Aiding in the Making of Ice Cream. H. C. Brill Co., Inc., Newark, N. J.
Filed July 16, 1948, Serial No. 565,520. Published Apr. 17, 1951. Class 46.

544,741. Cotton Yarn. Swift Spinning Mills, Inc., Columbus, Ga.
Filed Oct. 1, 1948, Serial No. 566,252. Published May 17, 1949. Class 43.

544,742. Vitamin Containing Preparation Useful in the Treatment of Hypoacidity. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Oct. 6, 1948, Serial No. 566,548. Published Apr. 10, 1951. Class 18.

544,743. Ointment for Treating Skin Diseases. B. H. Cloud, doing business as Rainbow Ointment Company, Rocky Comfort, Mo.
Filed Oct. 2, 1948, Serial No. 566,833. Published Apr. 10, 1951. Class 18.

544,744. Children's Three-Quarter Hose, Infants' and Children's Socks, Etc. Arthur Foister & Sons Limited, Leicester, England.
Filed Oct. 23, 1948, Serial No. 567,511. Published Apr. 10, 1951. Class 39.

544,745. Infants' and Children's Dresses, Pinafores, Jumpers, Etc. The Grace Company, Belton, Mo.
Filed Oct. 23, 1948, Serial No. 567,515. Published Apr. 10, 1951. Class 39.

544,746. Sun Glasses. Vision Products Co., Inc., Newark, N. J.
Filed Oct. 27, 1948, Serial No. 567,726. Published Apr. 3, 1951. Class 26.

544,747. First Aid Kits for Treatment of Snake Bite, Etc. E. D. Bullard Company, San Francisco, Calif.
Filed Nov. 1, 1948, Serial No. 567,945. Published Apr. 10, 1951. Class 44.

544,748. Canned Foods—Namely, Tomatoes, Tomato Catsup, Etc. Vincennes Packing Corporation, Vincennes, Ind., assignor to Reconstruction Finance Corporation, St. Louis, Mo., a corporation of the United States.
Filed Nov. 3, 1948, Serial No. 568,129. Published Apr. 17, 1951. Class 46.

544,749. Candy. E. J. Brach & Sons, Chicago, Ill.
Filed Nov. 5, 1948, Serial No. 568,236. Published Mar. 2, 1951. Class 46.

544,750. Potato Chips, Pretzels, and Pretzel Sticks. Louis F. Schreibman, doing business as Honey Kream Distributing Co., Philadelphia, Pa.
Filed Nov. 6, 1948, Serial No. 568,328. Published Feb. 27, 1951. Class 46.

544,751. Men's, Women's and Children's Outer Wear Garments—Namely, Woolen and Textile Mackinaws, Etc. Klinkerfues Mfg. Co., St. Paul, Minn.
Filed Nov. 8, 1948, Serial No. 568,378. Published Apr. 3, 1951. Class 39.

544,752. Hosiery for Men, Boys, Women, Children and Infants, Etc. Sunknit, Inc., San Francisco, Calif.
Filed Nov. 19, 1948, Serial No. 569,109. Published Apr. 10, 1951. Class 39.

544,753. Frozen Fresh Deciduous Fruits and Frozen Fresh Vegetables. California Frozen Foods, Inc., Modesto, Calif., assignee of Wilbur-Ellis Company.
Filed Nov. 19, 1948, Serial No. 569,114. Published Mar. 27, 1951. Class 46.

544,754. Appliance Covers—Namely, Roaster Covers, Etc. William Alberts, doing business as W. Alberts, Omaha, Nebr.
Filed Dec. 13, 1948, Serial No. 570,401. Published Apr. 17, 1951. Class 50.

544,755. Pneumatic Hose. Reed Roller Bit Company, Houston, Tex.
Filed Dec. 13, 1948, Serial No. 570,433. Published Apr. 10, 1951. Class 35.

544,756. Tooth Powder and Mouth Wash. S. P. Phalmo Co., Chicago, Ill.
Filed Dec. 17, 1948, Serial No. 570,720. Published Apr. 17, 1951. Class 51.

544,757. Pistachio Nuts. Wm. M. Allison & Co., New York, N. Y.
Filed Dec. 11, 1948, Serial No. 570,816. Published Mar. 20, 1951. Class 46.

544,758. Dextrine-Maltose Food Preparation for Infants and Children. Naamlooze Vennootschap W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands.
Filed Dec. 21, 1948, Serial No. 570,905. Published Mar. 27, 1951. Class 46.

544,759. Reset Timers Comprising Electrical Timers Geared To Measure Time in Controlling Intervals in Connection With Electrical Circuits. American Time Corporation, Springfield, Mass.
Filed Dec. 23, 1948, Serial No. 570,998. Published Apr. 1, 1951. Class 26.

544,760. Photo-Composing Apparatus for Assembling Body Type in Preparing Photographically, Display Headings, Etc. Robert E. Murphy, doing business as International Lumitype Company, West Roxbury, Mass.
Filed Dec. 30, 1948, Serial No. 571,352. Published Mar. 27, 1951. Class 26.

544,761. Tires; Tubes; Accessories Comprising Boots, Patches, and Tube Repair Kits; Fan Belts; and Automotive Radiator Hose. Cities Service Oil Company, Bartlesville, Okla.
Filed Dec. 31, 1948, Serial No. 571,408. Published Apr. 10, 1951. Class 35.

544,762. Plasticizer for Rubber. The Photo Technical Corporation, Norwalk, Conn., now by change of name King Organic Chemicals, Incorporated, a corporation of Connecticut.
Filed Jan. 7, 1949, Serial No. 571,820. Published Apr. 17, 1951. Class 6.

544,763. Dried Sea Weeds Used as a Food and for Seasoning Foods. Modern Food Products Company, San Francisco, Calif.
Filed Jan. 11, 1949, Serial No. 571,984. Published July 4, 1950. Class 46.

544,764. Chemical Material—Viz., Sodium Chlorite, for Use in Producing Gas To Be Employed in Treating Flour and Other Products. Novadel-Agene Corporation, Belleville, N. J.
Filed Jan. 12, 1949, Serial No. 572,043. Published Apr. 17, 1951. Class 6.

544,765. Asphalt and Felt Base Insulating Siding. Globe Roofing Products Co., Inc., Whiting, Ind.
Filed Jan. 13, 1949, Serial No. 572,096. Published Apr. 10, 1951. Class 12.

544,766. Non-Prescription Sun Glasses. The Tepper Company, New York, N. Y.
Filed Feb. 5, 1949, Serial No. 573,456. Published Mar. 27, 1951. Class 26.

544,767. Chemical Compositions Used as an Additive Especially for Improving the Coating Properties of Asphalts Used in Conjunction With Mineral Aggregate When Laid Under Wet Conditions in the Construction of Bituminous Pavement. Howard B. Bishop, doing business as Kotal Company, Summit, N. J.
Filed Feb. 10, 1949, Serial No. 573,610. Published Apr. 10, 1951. Class 12.

544,768. Wall, Sash, and Tool Brushes, and for Brushes for Applying Paint, Varnish, Calcimine, Stucco, and Shellac. Star Brush Manufacturing Co., Inc., Boston, Mass.
Filed Feb. 16, 1949, Serial No. 573,987. Published Jan. 9, 1951. Class 29.

544,769. Hosiery. Vogue Manufacturing Corp., West Chester and Grove, Pa.
Filed Feb. 16, 1949, Serial No. 574,000. Published Oct. 17, 1950. Class 39.

544,770. Wall, Sash and Tool Brushes, and for Brushes for Applying Paint, Varnish, Calcimine, Stucco, and Shellac. Whiting-Adams Company, Inc., Boston, Mass.
Filed Feb. 16, 1949, Serial No. 574,004. Published Feb. 27, 1951. Class 29.

544,771. Rubberized Asphaltic Material in Granular and Slab Form Used Primarily for Sealing Joints in Concrete Structures, Such as Roads, Airplane Runways, and the Like. Servicised Products Corporation, Chicago, Ill., assignee of Wallace C. Fischer and Cecile G. Fischer, executors of Albert C. Fischer, deceased, doing business as Rubberized Oil Plastics Co., Not Inc.
Filed Feb. 23, 1949, Serial No. 574,355. Published Apr. 17, 1951. Class 12.

544,772. Toilet Preparations for Men—Namely, Hair Tonics and Face Lotions. Hyman Frieden, doing business under the name of Cavalier Laboratories, Norfolk, Va.
Filed Mar. 3, 1949, Serial No. 574,830. Published Apr. 17, 1951. Class 51.

544,773. Candy. Blum's, San Francisco, Calif.
Filed Mar. 4, 1949, Serial No. 574,888. Published Mar. 20, 1951. Class 46.

544,774. Bottled Cucumber Pickles. Pikle-Rite Company, Inc., Pulaski, Wis.
Filed Mar. 8, 1949, Serial No. 575,090. Published Apr. 3, 1951. Class 46.

544,775. Bottled Candied Sweet Midget Pickles, Bottled Sweet Mixed Pickles, Etc. Pikle-Rite Company, Inc., Pulaski, Wis.
Filed Mar. 8, 1949, Serial No. 575,091. Published Feb. 13, 1951. Class 46.

544,776. Knitted Goods—Namely, Sweaters for Men, Women, Boys, and Girls, Mufflers and Apparel Wristets. Lord Jeff Knitting Company, Incorporated, Brooklyn, N. Y.
Filed Mar. 9, 1949, Serial No. 575,147. Published Apr. 17, 1951. Class 39.

544,777. Flexible Hose Assemblies Comprising Hose, Flexible Pipe, and Associated Fittings for All Aviation and Industrial Applications. Avica Corporation, Portsmouth, R. I., by change of name from Avico Incorporated.
Filed Apr. 6, 1949, Serial No. 576,680. Published Apr. 3, 1951. Class 35.

544,778. Asphalt Roll Roofing. United States Gypsum Company, Chicago, Ill.
Filed Apr. 6, 1949, Serial No. 576,725. Published Apr. 10, 1951. Class 12.

544,779. Candies. Allied Confections, Inc., New York, N. Y.
Filed Apr. 15, 1949, Serial No. 577,161. Published Mar. 20, 1951. Class 46.

544,780. Medicinal Herbal Preparations for Human Use. Culpeper House Limited, London, England.
Filed Apr. 23, 1949, Serial No. 577,565. Published Mar. 27, 1951. Class 18.

544,781. Medicinal Ointment for External Application in the Treatment of Arthritis, Inflamed Joints, Eczema, Rheumatism, Sinus, Asthma, and Hay Fever. Henry J. Riemer, doing business as U-Tri Laboratories, Flint, Mich.
Filed Apr. 25, 1949, Serial No. 577,688. Published Apr. 3, 1951. Class 18.

544,782. Ladies' Hosiery. M. K. M. Hosiery Mills, Inc., Boston, Mass.
Filed Apr. 27, 1949, Serial No. 577,803. Published Apr. 17, 1951. Class 39.

544,783. Vacuum Testing Apparatus for Determining Flow Conditions in a Vacuum Line for Milking Machines. Babson Bros. Co., Chicago, Ill.
Filed Apr. 29, 1949, Serial No. 577,932. Published Mar. 20, 1951. Class 26.

544,784. Flower, Vegetable, and Lawn Seeds; Flower and Vegetable Bulbs and Roots; Bushes; and Shrubs. Mercantile Stores Company, Inc., Wilmington, Del.
Filed May 3, 1949, Serial No. 578,155. Published Apr. 10, 1951. Class 1.

544,785. Perfumes and Cologne. Maurice Blanchet Parfums de Luxe Societe Anonyme, Paris, France.
Filed May 6, 1949, Serial No. 578,350. Published Apr. 17, 1951. Class 51.

544,786. Multiple-Filament Thread and Twine of Silk, Nylon and Other Synthetic Fibers for Use in the Manufacture and Repair of Fishnets. The Heminway & Bartlett Mfg. Co., Watertown, Conn.
Filed May 7, 1949, Serial No. 578,391. Published Apr. 17, 1951. Class 43.

544,787. Synthetic Yarn. Eastman Kodak Company, Flemington, N. J. and Rochester, N. Y.
Filed May 10, 1949, Serial No. 578,496. Published Apr. 17, 1951. Class 43.

544,788. Drinking Straws. John Sexton & Co., Chicago, Ill.
Filed May 12, 1949, Serial No. 578,716. Published Apr. 17, 1951. Class 50.

544,789. Electrical Liquid Concentration Control Apparatus, Etc. Noble Chemical Corporation, Chicago, Ill., assignor to Du Bois Company, Cincinnati, Ohio.
Filed May 18, 1949, Serial No. 579,050. Published Mar. 13, 1951. Class 26.

544,790. Finger Rings. J. R. Wood & Sons, Inc., New York, N. Y.
Filed May 24, 1949, Serial No. 579,466. Published Apr. 10, 1951. Class 28.

544,791. Canned Dog and Cat Food, Comprised of Meat and Meat Byproducts, Fortified With Vitamins, Fish Oils, Seasonings and Other Nutritive Ingredients. Calo Dog Food Company, Inc., Oakland, Calif.
Filed May 31, 1949, Serial No. 579,733. Published Mar. 20, 1951. Class 46.

544,792. Paper Dress Patterns. Advance Pattern Co., Inc., New York, N. Y.
Filed June 1, 1949, Serial No. 579,777. Published Mar. 6, 1951. Class 26.

544,793. Food Concentrate for Growing Calves, Composed of Skim Milk Powder, Soybean Oil Meal, Ground Rolled Oats, Dried Brewers' Yeast, Etc. Dorothy A. Long, doing business as Dawnwood Farms, Amenia, N. Y.
Filed June 9, 1949, Serial No. 580,197. Published Feb. 6, 1951. Class 46.

544,794. Prepared Sauce Containing Tomatoes, Sugar, Onions, Cider Vinegar, Salt, Mustard Seed, and Spices for Meats, Fish, Fowl, and Other Foods. Theodore Ristorcelli, New York, N. Y.
Filed June 9, 1949, Serial No. 580,204. Published Mar. 20, 1951. Class 46.

544,795. Ladies', Misses', Juniors', and Children's Dresses. B. S. Kahn & Company, Inc., Miami, Fla.
Filed June 15, 1949, Serial No. 580,484. Published Apr. 17, 1951. Class 39.

544,796. Wearing Apparel for Men, Women and Children, Comprising Men's Gloves, Ties, Etc. Miller and Rhoads, Incorporated, Richmond, Va.
Filed June 22, 1949, Serial No. 580,897. Published Apr. 3, 1951. Class 39.

544,797. Rubber-Like Gaskets for Closure Seals on Steel Barrels, Drums, and Pails. Rieke Metal Products Corporation, Auburn, Ind.
Filed June 23, 1949, Serial No. 580,948. Published Apr. 10, 1951. Class 35.

544,798. Wall and Crack Fillers and Caulking Compounds. Benwell Corporation, Detroit, Mich.
Filed June 28, 1949, Serial No. 581,164. Published Apr. 17, 1951. Class 12.

544,799. Welding Helmet. Welding Apparatus Company, Chicago, Ill.
Filed July 20, 1949, Serial No. 582,258. Published Mar. 6, 1951. Class 26.

544,800. Glass Bottles for Shipping and Dispensing Parenteral Solutions. Cutter Laboratories, Berkeley, Calif.
Filed June 13, 1949, Serial No. 582,389. Published Apr. 10, 1951. Class 44.

544,801. Women's, Misses', Infants', Men's, Boys', and Juveniles' Hosiery, Socks, and Underwear. Walter W. Moyer Company, Ephrata, Pa.
Filed July 27, 1949, Serial No. 582,574. Published Apr. 17, 1951. Class 39.

544,802. Rubber Floor and Wall Tile. The Danbury Rubber Company, Inc., Danbury, Conn.
Filed July 29, 1949, Serial No. 582,676. Published Nov. 14, 1950. Class 12.

544,803. Compound, Powder or Mix, Which Provides Stabilizing Qualities and Is Especially Adapted for Use in the Manufacture of Frozen Desserts—Namely, Ice Cream, Sherberts, Mousses, Ices. American Food Laboratories, Inc., Brooklyn, N. Y.
Filed Aug. 17, 1949, Serial No. 583,583. Published Mar. 20, 1951. Class 46.

544,804. Men's, Women's, Children's and Infants' Wearing Apparel, Etc. J. B. Lewis & Sons Limited, Nottingham, England, now by change of name Meridian Limited.
Filed Aug. 24, 1949, Serial No. 583,938. Published Apr. 17, 1951. Class 39.

544,805. Raw Dehydrated Chips Made of Farinaceous Material With Flavoring and Coloring and Adapted To Be Fired or Baked to Form Cocktail Wafers or Crackers. Java Food Products, Inc., Jersey City, N. J.
Filed Aug. 25, 1949, Serial No. 584,004. Published Apr. 3, 1951. Class 46.

544,806. Carpenters', Plumbers', and Millwrights' Levels. International Manufacturing Company, Kansas City, Mo.
Filed Aug. 27, 1949, Serial No. 584,125. Published Mar. 27, 1951. Class 26.

544,807. Infants' Play Garments Similar to Rompers. Juniors, Inc., Los Angeles, Calif.
Filed Aug. 30, 1949, Serial No. 584,238. Published Apr. 10, 1951. Class 39.

544,808. Medicinal Skin Formula, Medicated Talcum Powder, and Medicated Face Powder. Dornol Products, Inc., New York, N. Y.
Filed Sept. 2, 1949, Serial No. 584,390. Published Apr. 10, 1951. Class 18.

544,809. Girdles, Corsets, and Foundation Garments. Tranzform, Inc., Hoboken, N. J.
Filed Sept. 21, 1949, Serial No. 585,147. Published Apr. 17, 1951. Class 39.

544,810. Spectacle Frames and Mountings. Continental Optical Company, Inc., Indianapolis, Ind.
Filed Sept. 22, 1949, Serial No. 585,156. Published Apr. 10, 1951. Class 26.

544,811. Women's, Misses', and Junior Misses' or Girls' Undergarments—Namely, Slips, Ladies' Petticoats or Half-Slips or Underskirts, Nightgowns, and Pajamas. Albert, Inc., Chicago, Ill.
Filed Sept. 28, 1949, Serial No. 585,412. Published Apr. 17, 1951. Class 39.

544,812. Costume Jewelry Made of Simulated Pearls—Namely, Necklaces, Bracelets, Earrings, Garment Buckles, Buttons and Accessories. Vanity Fair Pearls, Inc., Brooklyn, N. Y.
Filed Sept. 14, 1949, Serial No. 585,493. Published Apr. 10, 1951. Class 28.

544,813. Light-Sensitive Transparent Paper for Use as Master Copy for Reproducing Engineering and Architectural Drawings. The Frederick Post Company, Chicago, Ill.
Filed Sept. 29, 1949, Serial No. 585,525. Published Apr. 3, 1951. Class 26.

544,814. Small or Pocket-Size Apparatus for Demonstrating Motion Pictures Wherein a Series of Motion Pictures Appear in Rapid Succession. A. Brickman, Inc., New York, N. Y.
Filed Sept. 30, 1949, Serial No. 585,560. Published Apr. 3, 1951. Class 26.

544,815. Sensitized Photographic Paper. Eastman Kodak Company, Flemington, N. J. and Rochester, N. Y.
Filed Oct. 1, 1949, Serial No. 585,637. Published Mar. 27, 1951. Class 26.

544,816. Goggles. Thomas V. Paulson, doing business as Paulson Manufacturing Company, Fallbrook, Calif.
Filed July 22, 1949, Serial No. 585,881. Published Apr. 3, 1951. Class 26.

544,817. Empty Ice Cream Cones Sold Only in Large Bulk Containers. S & S Cone Corporation, New York, N. Y.
Filed Oct. 11, 1949, Serial No. 586,111. Published Apr. 17, 1951. Class 46.

544,818. Cream Make-Up. Anatole Robbins, Inc., Los Angeles, Calif.
Filed Oct. 12, 1949, Serial No. 586,194. Published Apr. 17, 1951. Class 51.

544,819. Tire Patches. Lorena Peterson, doing business as Peterson Sales Company, St. Louis, Mo.
Filed Oct. 14, 1949, Serial No. 586,307. Published Apr. 10, 1951. Class 35.

544,820. Toilet Soap. Charles of the Ritz, Inc., New York, N. Y.
Filed Oct. 20, 1949, Serial No. 586,591. Published Apr. 3, 1951. Class 52.

544,821. Insect Traps. William E. Brown, Pewaukee, Wis.
Filed Oct. 26, 1949, Serial No. 586,838. Published Apr. 17, 1951. Class 30.

544,822. Candy. National Licorice Company, Brooklyn, N. Y.
Filed Nov. 1, 1949, Serial No. 587,121. Published Feb. 13, 1951. Class 46.

544,823. Cameras and Photographic Accessories—Namely, Camera Lenses, Optical View Finders and Range Finders. Universal Camera Corporation, New York, N. Y.
Filed Sept. 29, 1949, Serial No. 587,153. Published Apr. 10, 1951. Class 26.

544,824. Men's Hats. Adam Hat Stores, Inc., New York, N. Y.
Filed Nov. 2, 1949, Serial No. 587,166. Published Apr. 3, 1951. Class 39.

544,825. Jewelry for Personal Wear, Not Including Watches—Namely, Hair Ornaments, Necklaces, Pendants, Chokers, Earrings, Brooches, Lapel Pins, Ornamental Pins, Ornamental Clips, Bracelets, Finger Rings, Made in Whole of, in Part of, or Plated With Precious Metal. Carol-Deb Company, Pawtucket, R. I.
Filed Nov. 2, 1949, Serial No. 587,178. Published Apr. 17, 1951. Class 28.

544,826. Portland Cement and Oil-Well Cement. Permanente Cement Company, Oakland, Calif.
Filed Sept. 16, 1949, Serial No. 587,590. Published Apr. 17, 1951. Class 12.

544,827. Cases for Gauges. Manning, Maxwell & Moore, Incorporated, New York, N. Y.
Filed Nov. 14, 1949, Serial No. 587,737. Published Apr. 3, 1951. Class 26.

544,828. Series of Motion Picture Films. D. P. M. Productions, Inc., New York, N. Y.
Filed Nov. 15, 1949, Serial No. 587,794. Published Apr. 3, 1951. Class 26.

544,829. Seed Corn and Hatching Eggs. Pioneer Hi-Bred Corn Company, Des Moines, Iowa.
Filed Nov. 16, 1949, Serial No. 587,906. Published Apr. 17, 1951. Class 1.

544,830. Gasoline Measuring and Dispensing Pumps. National Pumps, Inc., Cincinnati, Ohio.
Filed Nov. 22, 1949, Serial No. 588,179. Published Mar. 13, 1951. Class 26.

544,831. Magnifying Lenses for Television Receivers. Marvel-Lens Industries, Inc., Philadelphia, Pa.
Filed Nov. 25, 1949, Serial No. 588,311. Published Apr. 3, 1951. Class 26.

544,832. Men's and Boys' Trousers and Slacks. The Middishade Company, Inc., Philadelphia, Pa.
Filed Nov. 25, 1949, Serial No. 588,313. Published Apr. 3, 1951. Class 39.

544,833. Women's Hosiery and Underwear. Loveman, Berger and Teitlebaum, Inc., Nashville, Tenn.
Filed Nov. 29, 1949, Serial No. 588,500. Published Apr. 17, 1951. Class 39.

544,834. Adjustable Calculating Charts Used for Calculating the Amount of Feed To Be Fed Laying Hens. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn.
Filed Nov. 30, 1949, Serial No. 588,575. Published Mar. 27, 1951. Class 26.

544,835. Cut Diamonds. The Gem-O-Graph Company, New York, N. Y., assignor to The Gem-O-Graph Corporation of America, Inc., New York, N. Y.
Filed Dec. 1, 1949, Serial No. 588,641. Published Apr. 10, 1951. Class 28.

544,836. Perfume, Lipstick, Cream Rouge, and Compact Rouge. Lehn & Fink Products Corporation, Bloomfield, N. J.
Filed Dec. 2, 1949, Serial No. 588,693. Published Mar. 27, 1951. Class 51.

544,837. Toilet Powders. Virginia L. Lager, Maumee, Ohio.
Filed Dec. 19, 1949, Serial No. 589,581. Published Apr. 17, 1951. Class 51.

544,838. Sweaters, Made in Part of Rabbit Hair. Olympic Knitwear, Inc., New York, N. Y.
Filed Dec. 21, 1949, Serial No. 589,736. Published Apr. 17, 1951. Class 39.

544,839. Women's and Children's Hosiery. Blauner's, Philadelphia, Pa.
Filed Dec. 23, 1949, Serial No. 589,824. Published Apr. 17, 1951. Class 39.

544,840. Infants' Bibs and Underwear. Earl & Arlington, San Francisco, Calif.
Filed Dec. 24, 1949, Serial No. 589,892. Published Apr. 10, 1951. Class 39.

544,841. Molded, Woven, Woven-Molded Brake and Clutch Lining in Plates, Rolls, Sets, Segments, and Blocks. Fibre & Metal Products, Inc., Downey, Calif.
Filed Dec. 27, 1949, Serial No. 589,964. Published Apr. 10, 1951. Class 35.

544,842. Hydraulic Packing Compounds. MacNeel Pierce, doing business as Plastic and Rubber Products Company, Los Angeles, Calif.
Filed Dec. 27, 1949, Serial No. 589,986. Published Apr. 10, 1951. Class 35.

544,843. Compressed and Dried Yeasts; Baking Powders; Vinegars; Etc. Standard Brands Incorporated, New York, N. Y.
Filed Dec. 28, 1949, Serial No. 590,039. Published Mar. 6, 1951. Class 46.

544,844. Small Sock To Be Worn in Lieu of Hose. Victoria Underwear Company, New York, N. Y.
Filed Jan. 4, 1950, Serial No. 590,340. Published Apr. 10, 1951. Class 39.

544,845. Women's, Children's, and Infants' Outer Clothing — Namely, Knitted Sweaters and Cardigans. Newage International, Inc., New York, N. Y.
Filed Jan. 10, 1950, Serial No. 590,615. Published Apr. 17, 1951. Class 39.

544,846. Canned Asparagus, Peas, and Corn. Owatonna Canning Company, Owatonna, Minn.
Filed Jan. 12, 1950, Serial No. 590,756. Published Apr. 17, 1951. Class 46.

544,847. Gloves and Mittens of Leather, Fabric, and a Combination of Leather and Fabric. The Boss Manufacturing Company, Kewanee, Ill.
Filed Jan. 13, 1950, Serial No. 590,799. Published Apr. 17, 1951. Class 39.

544,848. Packaged "Snack" or Traveler's Lunch Composed of Chicken or Ham, a Roll, Cake, and Pickle and Fruit. Elizabeth S. Pitt, Alexandria, Va.
Filed Jan. 17, 1950, Serial No. 590,874. Published Feb. 20, 1951. Class 46.

544,849. Permanent Waving Oil and Hair Curling Lotions. The Glemby Company, Inc., New York, N. Y.
Filed Jan. 26, 1950, Serial No. 591,480. Published Apr. 10, 1951. Class 51.

544,850. Display Signs. American Neviol Sign Company, Fort Worth, Tex.
Filed Jan. 27, 1950, Serial No. 591,540. Published Apr. 17, 1951. Class 50.

544,851. Ladies' Wearing Apparel—Namely, Dresses, Suits, Coats, and Skirts. Glenhaven Ltd., Baltimore, Md.
Filed Jan. 31, 1950, Serial No. 591,725. Published Apr. 17, 1951. Class 39.

544,852. Scarfs, Kerchiefs, Neckties, and Ascots. Glensder Textile Corp., New York, N. Y.
Original filed, act of 1946, Supplemental Register, Feb. 1, 1950; amended to application, Principal Register, Nov. 25, 1950, Serial No. 591,779. Published Apr. 3, 1951. Class 39.

544,853. Food for Cage Birds in the Nature of a Mixture of Bird Seeds and Other Food Ingredients. Kellogg Seed Company, Milwaukee, Wis.
Filed Feb. 3, 1950, Serial No. 591,932. Published Feb. 6, 1951. Class 46.

544,854. Ladies' or Misses' Panties. Jean Vernon, Inc., West Reading, Pa.
Filed Feb. 7, 1950, Serial No. 592,108. Published Apr. 17, 1951. Class 39.

544,855. Jewelry for Personal Wear, not Including Watches—Namely, Necklaces and Brooches, Jewelry Clips. Trifari, Krussman & Fishel, Inc., Providence, R. I. and New York, N. Y.
Filed Feb. 8, 1950, Serial No. 592,172. Published Apr. 10, 1951. Class 28.

544,856. Fuel Oil, Range Oil. Arrow Petroleum Company, Forest Park, Ill.
Filed Feb. 13, 1950, Serial No. 592,355. Published Jan. 9, 1951. Class 15.

544,857. Feeds With a High Mineral Content for Cattle, Hogs, Sheep, Poultry, and Horses. Murphy Products Company, Burlington, Wis.
Filed Feb. 15, 1950, Serial No. 592,510. Published Feb. 13, 1951. Class 46.

544,858. Perfumes, eau de Cologne, Lipstick, Face Powders, Etc. Societe Anonyme Renaud Paris 1817, Montreuil, Seine, France.
Filed Feb. 16, 1950, Serial No. 592,581. Published Apr. 10, 1951. Class 51.

544,859. Extracted Honey in Liquid and Creamed Form, Prune Juice, and Shredded and Sliced Coconut. W. F. Straub & Company, Chicago, Ill.
Filed Feb. 17, 1950, Serial No. 592,674. Published Feb. 27, 1951. Class 46.

544,860. Cosmetics—Namely, Cleansing Cream, Sun Tan Lotion, Hand and Face Lotion, Skin Cream, eau de Cologne, Night Cream, Perfumed Deodorant, and Brushless Shave Cream. Belvidere Creations, Inc., Seattle, Wash.
Filed Feb. 20, 1950, Serial No. 592,750. Published Apr. 10, 1951. Class 51.

544,861. Jewelry for Personal Wear, not Including Watches, but Including Pearl Jewelry—Namely, Necklaces, Bracelets, Finger Rings, Earrings, Jewelry Clips, Brooches, and Lockets. Coro, Inc., New York, N. Y.
Filed Feb. 23, 1950, Serial No. 592,881. Published Apr. 17, 1951. Class 28.

544,862. Imitations of Precious Stones. Oval Manufacturing Company, Inc., New York, N. Y.
Filed Feb. 23, 1950, Serial No. 592,930. Published Apr. 17, 1951. Class 28.

544,863. All Purpose Cosmetic Cream. Caroline Morris, Chicago, Ill.
Filed Feb. 24, 1950, Serial No. 593,008. Published Apr. 17, 1951. Class 51.

544,864. Preparation of Full Cream Milk, Separated Milk, Malt Extract, Sugar Lactose, Yeast Extract, Sodium Phosphate, Meat Extract, and Flavouring for Making a Food Beverage. Bovril, Limited, London, England.
Filed Mar. 1, 1950, Serial No. 593,216. Published Apr. 17, 1951. Class 46.

544,865. Wheat-Flour. Ballard & Ballard Co., Louisville, Ky.
Filed Mar. 6, 1950, Serial No. 593,460. Published Feb. 27, 1951. Class 46.

544,866. Men's and Boys' Outer Dress, Sport, and Work Shirts, Collars, Pajamas, and Neckties. Phillips-Jones Corporation, New York, N. Y.
Filed Mar. 7, 1950, Serial No. 593,555. Published Apr. 3, 1951. Class 39.

544,867. Apple Juice, Prune Juice, French Salad Dressing, Vinegars, and Honey. Macomber's, Inc., Berkeley, Calif.
Filed Mar. 10, 1950, Serial No. 593,733. Published Mar. 6, 1951. Class 46.

544,868. Hair Nets. Weco Products Company, Chicago, Ill.
Filed Mar. 15, 1950, Serial No. 594,006. Published Nov. 28, 1950. Class 39.

544,869. Canned Fish. Mondial Company, Inc., New York, N. Y.
Filed Mar. 17, 1950, Serial No. 594,135. Published Mar. 6, 1951. Class 46.

544,870. Thread Made of "Orlon" Fibers, Composed of Synthetic Fiber-Forming Polymers and Copolymers of Acrylic Acid or Its Derivatives. Belding Heminway Company, Inc., doing business under the name of Belding Corticelli, New York, N. Y.
Filed Mar. 22, 1950, Serial No. 594,354. Published Apr. 10, 1951. Class 43.

544,871. Uniform Caps for Men, Boys, Women, and Girls. Mid City Uniform Cap Company, Chicago, Ill.
Filed Mar. 23, 1950, Serial No. 594,484. Published Mar. 20, 1951. Class 39.

544,872. Sheeshkebab Sandwiches and Shashlick Sandwiches. Irving Tirman, Brooklyn, N. Y.
Filed Mar. 28, 1950, Serial No. 594,816. Published Feb. 27, 1951. Class 46.

544,873. Canned Lobster. Catz American Co., Inc., New York, N. Y.
Filed Mar. 31, 1950, Serial No. 594,950. Published Mar. 13, 1951. Class 46.

544,874. Sensitized Photographic Papers. Gevaert Photo-Producten N. V., Mortsel, Belgium.
Filed Mar. 31, 1950, Serial No. 594,966. Published Mar. 6, 1951. Class 26.

544,875. Rice. Rice Growers Association of California, Sacramento, Calif.
Filed Mar. 31, 1950, Serial No. 594,993. Published Feb. 6, 1951. Class 46.

544,876. Canned Sliced Pineapple, Canned Crushed Pineapple, and Canned Pineapple Juice for Food Purposes. Francisco Vazquez, Inc., Manati, P. R.
Filed Mar. 18, 1950, Serial No. 595,114. Published Mar. 6, 1951. Class 46.

544,877. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Apr. 7, 1950, Serial No. 595,357. Published Apr. 3, 1951. Class 42.

544,878. Toasted Peanuts and Almonds. Franklin Foods, Inc., Franklin and Hazel Park, Mich.
Filed Apr. 7, 1950, Serial No. 595,373. Published Feb. 13, 1951. Class 46.

544,879. Men's and Boys' Apparel—Namely, Dress Shirts and Negligee Shirts, Shoes, Hats, Suits, Coats, and Overcoats. Boyd-Richardson Company, St. Louis, Mo.
Filed Apr. 12, 1950, Serial No. 595,592. Published Apr. 3, 1951. Class 39.

544,880. Sweet Rolls. George W. Shidler, doing business as George's Bakery, National City, Calif.
Filed Apr. 14, 1950, Serial No. 595,746. Published Mar. 27, 1951. Class 46.

544,881. Frozen Concentrated Juices of Citrus Fruits. Minute Maid Corporation, New York, N. Y.
Filed Apr. 17, 1950, Serial No. 595,844. Published Mar. 13, 1951. Class 46.

544,882. Frozen Concentrated Juices of Citrus Fruits. Minute Maid Corporation, New York, N. Y.
Filed Apr. 17, 1950, Serial No. 595,845. Published Mar. 13, 1951. Class 46.

544,883. Frozen Concentrated Juices of Citrus Fruits. Minute Maid Corporation, New York, N. Y.
Filed Apr. 17, 1950, Serial No. 595,846. Published Mar. 13, 1951. Class 46.

544,884. Pharmaceutical Preparation Suggested for the Symptomatic Relief of Bronchial Asthma, Hay Fever, Bronchitis, Various Allergic Manifestations, and in Other Conditions in Which a Bronchodilator or Vasoconstrictor Is Indicated. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 18, 1950, Serial No. 595,898. Published Mar. 27, 1951. Class 18.

544,885. Ladies' and Misses' Blouses, and Ladies' and Misses' Blouses and Skirts Sold as One Unit. Morlove Inc., New York, N. Y.
Filed Apr. 21, 1950, Serial No. 596,113. Published Apr. 10, 1951. Class 39.

544,886. Hat Bodies. Henry Pollak, Inc., New York, N. Y.
Filed Apr. 21, 1950, Serial No. 596,119. Published Apr. 3, 1951. Class 39.

544,887. Caulking and Glazing Compound. The Tropical Paint & Oil Company, Cleveland, Ohio.
Filed Apr. 21, 1950, Serial No. 596,131. Published Apr. 10, 1951. Class 12.

544,888. Rubber Pipe. Thomas R. Finn, doing business under the trade name and style of Finn & Company, New York, N. Y.
Filed Apr. 22, 1950, Serial No. 596,158. Published Apr. 10, 1951. Class 35.

544,889. Procaine Penicillin G. Commercial Solvents Corporation, New York, N. Y.
Filed Apr. 25, 1950, Serial No. 596,264. Published Apr. 3, 1951. Class 18.

544,890. Junior and Teenage Girls' Blouses, Skirts, Dresses, Jackets, Bras, Shorts, and Boleros, Weskits, Playsuits, Pinafores, and Jumpers. Ro-Nel of California Co., Los Angeles, Calif.
Filed Apr. 27, 1950, Serial No. 596,442. Published Apr. 10, 1951. Class 39.

544,891. Girls' Dresses. Mary Celene Williams, Lawton, Okla.
Filed Apr. 28, 1950, Serial No. 596,545. Published Apr. 17, 1951. Class 39.

544,892. Complete Upward-Acting Door Installations Comprising Door and Hardware Sold as a Unit. Crawford Door Company, Detroit, Mich.
Filed Apr. 29, 1950, Serial No. 596,561. Published Apr. 10, 1951. Class 12.

544,893. Canned Cooked Ham. Frederick F. Lowenfels & Son, doing business under the name Hotel Bar Foods, New York, N. Y.
Filed Apr. 29, 1950, Serial No. 596,576. Published Apr. 10, 1951. Class 46.

544,894. Canned Horse Meat for Human Consumption. Perk Dog Food Co., doing business under the style of Perk Foods Co., Chicago, Ill.
Filed Apr. 29, 1950, Serial No. 596,625. Published Mar. 20, 1951. Class 46.

544,895. Hats and Caps for Men, Women, and Children. John B. Stetson Company, Philadelphia, Pa.
Filed May 1, 1950, Serial No. 596,694. Published Apr. 3, 1951. Class 39.

544,896. Candy Bars. Candymasters Incorporated, Minneapolis, Minn.
Filed May 4, 1950, Serial No. 596,830. Published Mar. 20, 1951. Class 46.

544,897. Candy Bars. Candymasters Incorporated, Minneapolis, Minn.
Filed May 4, 1950, Serial No. 596,831. Published Mar. 20, 1951. Class 46.

544,898. Canvas Pipe. A. E. Quest & Sons, Lubbock, Tex.
Filed May 4, 1950, Serial No. 596,865. Published Apr. 10, 1951. Class 35.

544,899. Fresh Vegetables and Fresh Melons. H. B. Murphy Company, Brawley, Calif.
Filed May 5, 1950, Serial No. 596,931. Published Feb. 20, 1951. Class 46.

544,900. Canned Sardines. Bath Canning Company, Bath, Maine.
Filed May 9, 1950, Serial No. 597,120. Published Mar. 6, 1951. Class 46.

544,901. Medicinal Preparation Containing Vitamins for the Treatment of Hemopoietic and Nutritional Disorders. The Upjohn Company, Kalamazoo, Mich.
Filed May 9, 1950, Serial No. 597,181. Published Mar. 27, 1951. Class 18.

544,902. Dental Cleanser for False Teeth. Bonafide Laboratory, New York, N. Y.
Filed May 11, 1950, Serial No. 597,248. Published Apr. 10, 1951. Class 51.

544,903. Rouge, Face Cream, Hair Lotion, Hand Cream, Eye Shadow, Face Lotion, Perfume, Cologne, Nail Polish, Suntan Oil, and Face Powder. Eugene Schueller, Paris, France.
Filed May 11, 1950, Serial No. 597,297. Published Apr. 17, 1951. Class 51.

544,904. Rouge, Face Cream, Hair Lotion, Hand Cream, Eye Shadow, Face Lotion, Perfume, Cologne, Nail Polish, Suntan Oil, and Face Powder. Eugene Schueller, Paris, France.
Filed May 11, 1950, Serial No. 597,301. Published Apr. 17, 1951. Class 51.

544,905. Electrical Thermolytic Apparatus for Generating Nitrogen and Hydrogen From Anhydrous Ammonia. Baker & Company, Incorporated, Newark, N. J.
Filed May 12, 1950, Serial No. 597,315. Published Mar. 20, 1951. Class 26.

544,906. Flexible Tubing. The Flexible Tubing Corporation, Branford, Conn.
Filed May 13, 1950, Serial No. 597,392. Published Apr. 10, 1951. Class 35.

544,907. Lubricants Composed of Petroleum Oils With or Without Admixture of Other Substances for Lubricating and Greasing Purposes. Cities Service Oil Company, Bartlesville, Okla.
Filed May 18, 1950, Serial No. 597,665. Published Jan. 23, 1951. Class 15.

544,908. Perfume, Rouge, Toilet Water; Face, Skin, and Hand Cream; and Face Powder. Academie Scientifique de Beaute, Paris and Colombes, France.
Filed May 19, 1950, Serial No. 597,721. Published Apr. 17, 1951. Class 51.

544,909. Hair Coloring Creme. "42" Products, Ltd., Los Angeles and West Los Angeles, Calif.
Filed May 20, 1950, Serial No. 597,824. Published Apr. 17, 1951. Class 51.

544,910. Canned Fish and Sea Food—Namely, Light Meat Tuna, White Meat Tuna, Crabmeat, Fancy Crabmeat, Abalone, and Top-Shell (a Type of Mollusk). T. Kong Lee, doing business as Lee's Agency, San Francisco, Calif.
Filed May 20, 1950, Serial No. 597,832. Published Apr. 10, 1951. Class 46.

544,911. Ladies' and Children's Pajamas. Princess Peggy, Inc., Peoria, Ill.
Filed May 22, 1950, Serial No. 597,907. Published Apr. 17, 1951. Class 39.

544,912. Lipsticks. House of Faril, Inc., Lowell, Mass.
Filed May 23, 1950, Serial No. 597,957. Published Apr. 17, 1951. Class 51.

544,913. Pajamas, Pajama Coats, Beach Coats, Smock Coats, Utility Coats, and Bath Robes. Kaylon Incorporated, New York, N. Y.
Filed May 23, 1950, Serial No. 597,962. Published Apr. 10, 1951. Class 39.

544,914. Preparation Used as a Stimulant of the Mammary Glands in Humans and Animals; for Development of the Breasts; and a General Tonic. American Khellin Corporation, New York, N. Y.
Filed May 25, 1950, Serial No. 598,056. Published Apr 3, 1951. Class 18.

544,915. Preparation for Making Tomato Aspic. Enzo Jel Company, Sheboygan, Wis.
Filed May 26, 1950, Serial No. 598,174. Published Mar. 6, 1951. Class 46.

544,916. Shredded Coconut. Eskimo Pie Corporation, Bloomfield, N. J.
Filed June 2, 1950, Serial No. 598,462. Published Mar. 13, 1951. Class 46.

544,917. Anaesthetics. Imperial Chemical (Pharmaceuticals) Limited, London and Millbank, London, England.
Filed June 2, 1950, Serial No. 598,475. Published Apr. 10, 1951. Class 18.

544,918. Pharmaceutical Composition Useful in the Treatment of Skin Disorders and Allergies. The Maltine Company, Morris Plains, N. J.
Filed June 3, 1950, Serial No. 598,535. Published Apr. 3, 1951. Class 18.

544,919. Candies. A. S. Wilkin, Limited, Newcastle-on-Tyne, England.
Filed June 3, 1950, Serial No. 598,553. Published Mar. 13, 1951. Class 46.

544,920. Vitamin Preparation. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed June 6, 1950, Serial No. 598,684. Published Apr. 3, 1951. Class 18.

544,921. Medicinal Preparation for the Treatment of Upper Respiratory Tract Conditions. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed June 6, 1950, Serial No. 598,686. Published Apr. 3, 1951. Class 18.

544,922. Motion Picture Projectors. De Jur-Amsco Corporation, Long Island City, N. Y.
Filed June 7, 1950, Serial No. 598,713. Published Mar. 13, 1951. Class 26.

544,923. Ready-to-Eat Boneless Roasted Turkey. Maurie Laskin, doing business as Bestwest Produce Co., Chicago, Ill.
Filed June 8, 1950, Serial No. 598,802. Published Mar. 13, 1951. Class 46.

544,924. Accounting Machines and Parts Thereof. Powers-Samas Accounting Machines Limited, London, England.
Filed June 9, 1950, Serial No. 598,864. Published Apr. 3, 1951. Class 26.

544,925. Douche Instrument. Tech-N-Kal Machine & Engineering, Detroit, Mich.
Filed June 12, 1950, Serial No. 598,970. Published Apr. 10, 1951. Class 44.

544,926. Hypodermic Syringes and Hypodermic Needles. Clay-Adams Company, Inc., New York, N. Y.
Filed June 13, 1950, Serial No. 598,982. Published Apr. 17, 1951. Class 44.

544,927. Cologne. Richard Hudnut, New York, N. Y.
Filed June 14, 1950, Serial No. 599,098. Published Apr. 17, 1951. Class 51.

544,928. Capacitor and Resistor Analyzers, Radio Interference Locators, Electric Wiring Analyzers, Power Line Fault Locators, Pulse-Forming Networks for Radar, and Parts Thereof. Sprague Electric Company, North Adams, Mass.
Filed June 15, 1950, Serial No. 599,198. Published Mar. 6, 1951. Class 26.

544,929. Artificial Dentures. The Toledo Dental Products Co., Toledo, Ohio.
Filed June 15, 1950, Serial No. 599,200. Published Apr. 17, 1951. Class 44.

544,930. Hypodermic Needles and Syringes, and Parts Thereof for Use Particularly by Dentists. Randall Faichney Corporation, Boston, Mass.
Filed June 16, 1950, Serial No. 599,232. Published Apr. 17, 1951. Class 44.

544,931. Prophylactic Membranous Articles for the Prevention of Contagious Diseases. Youngs Rubber Corporation, New York, N. Y.
Filed June 17, 1950, Serial No. 599,358. Published Apr. 17, 1951. Class 44.

544,932. Gloves Made of Plastic Material. Rice Manufacturing Company, Van Nuys, Calif.
Filed June 20, 1950, Serial No. 599,453. Published Apr. 10, 1951. Class 39.

544,933. Canvases for Use as a Foundation for Paintings. Acritex, Inc., New York, N. Y.
Filed June 22, 1950, Serial No. 599,544. Published Apr. 17, 1951. Class 50.

544,934. Lipsticks. Lehn & Fink Products Corporation, Bloomfield, N. J.
Filed June 23, 1950, Serial No. 599,639. Published Mar. 27, 1951. Class 51.

544,935. Evaporated Milk. Northfield Milk Products Company, Northfield, Minn.
Filed June 23, 1950, Serial No. 599,648. Published Apr. 3, 1951. Class 46.

544,936. Bracelets (Not Including Watches). Speidel Corporation, Providence, R. I.
Filed June 23, 1950, Serial No. 599,664. Published Apr. 10, 1951. Class 28.

544,937. Food Colors, Freezing Mix for Making Ice Cream, Fudge and Frosting Mix, Danish Dessert and Sherbet Mix. Chr. Hansen's Laboratory, Inc., Little Falls, N. Y.
Filed June 24, 1950, Serial No. 599,707. Published Apr. 17, 1951. Class 46.

544,938. Pickles and Chili Peppers Packed in Glass. West Coast Pickle Co., Los Angeles, Calif.
Filed June 27, 1950, Serial No. 599,855. Published Mar. 13, 1951. Class 46.

544,939. Medicinal Preparation in the Form of Pills for the Temporary Relief of Minor Discomforts Due to Cold and Upset Stomach. Lily Yuriko Takaki, Honolulu, Territory of Hawaii.
Filed June 27, 1950, Serial No. 600,011. Published Apr. 10, 1951. Class 18.

544,940. Coffee, Tea, and Candy. Manning's, Inc., San Francisco, Calif.
Filed June 30, 1950, Serial No. 600,062. Published Apr. 10, 1951. Class 46.

544,941. Fresh Citrus Fruits, Fresh Deciduous Fruits, and Fresh Vegetables. E. W. Lins, doing business as E. W. Lins & Son, Fort Pierce and Homestead, Fla.
Filed July 3, 1950, Serial No. 600,177. Published Apr. 10, 1951. Class 46.

544,942. Photographic Apparatus—Namely, Photographic Cameras and Parts Thereof Including Lenses. Peerless Camera Stores, Inc., New York, N. Y., assignor to Kling Photo Supply Corporation, New York, N. Y., a corporation of New York.
Filed July 5, 1950, Serial No. 600,225. Published Mar. 27, 1951. Class 26.

544,943. Watch Bracelets. Jacoby-Bender, Inc., New York, N. Y.
Filed July 6, 1950, Serial No. 600,267. Published Apr. 10, 1951. Class 28.

544,944. Watch Bracelets. Jacoby-Bender, Inc., New York, N. Y.
Filed July 6, 1950, Serial No. 600,284. Published Apr. 10, 1951. Class 28.

544,945. Watch Bracelets. Jacoby-Bender, Inc., New York, N. Y.
Filed July 6, 1950, Serial No. 600,285. Published Apr. 10, 1951. Class 28.

544,946. Simulated and Cultured Pearl Necklaces, Bracelets, and Earrings. Lederer Brothers, New York, N. Y.
Filed July 6, 1950, Serial No. 600,293. Published Apr. 17, 1951. Class 28.

544,947. Bacon. The Rath Packing Company, Waterloo, Iowa.
Filed July 7, 1950, Serial No. 600,351. Published Apr. 10, 1951. Class 46.

544,948. Self-Measuring Gasoline Pumps. Speedway Petroleum Corporation, Detroit, Mich.
Filed July 8, 1950, Serial No. 600,401. Published Mar. 13, 1951. Class 26.

544,949. Preparation for Preventing Suntan Peeling. George G. Blaisdell, doing business as Zira Laboratories, Bradford, Pa.
Filed July 14, 1950, Serial No. 600,643. Published Mar. 27, 1951. Class 51.

544,950. Toys—Namely, Dolls. Alfred Ciffo, New York, N. Y.
Filed July 15, 1950, Serial No. 600,719. Published Apr. 17, 1951. Class 22.

544,951. Medicinal Preparation of Methamphetamine Hydrochloride Used as a Stimulant to the Central Nervous System. Eli Lilly and Company, Indianapolis, Ind.
Filed July 19, 1950, Serial No. 600,896. Published Apr. 10, 1951. Class 18.

544,952. Women's Apparel, Comprising Slips, Bloomers, Petticoats, Nightgowns, Pajamas, Chemises, Step-Ins, and Panties. Seamprufe Incorporated, New York, N. Y.
Filed July 20, 1950, Serial No. 600,984. Published Apr. 17, 1951. Class 39.

544,953. Fishing Tackle Boxes. Spiegel, Inc., Chicago, Ill.
Filed July 25, 1950, Serial No. 601,239. Published Apr. 17, 1951. Class 22.

544,954. Brassières. Peter Pan Foundations, Inc., New York, N. Y.
Filed July 26, 1950, Serial No. 601,277. Published Apr. 17, 1951. Class 39.

544,955. Hairdressing Preparations—Namely, Brilliantine and Pressing Oil. Freda Batchelor, Hamtramck, Mich.
Filed Aug. 1, 1950, Serial No. 601,531. Published Apr. 10, 1951. Class 51.

544,956. Antacid Preparation. A. H. Robins Company, Inc., Richmond, Va.
Filed Nov. 22, 1950, Serial No. 606,810. Published Apr. 24, 1951. Class 18.

544,957. Laundry Folding Machines. American Machine and Metals, Inc., New York, N. Y. and East Moline, Ill.
Filed Dec. 8, 1950, Serial No. 607,410. Published Apr. 17, 1951. Class 24.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

544,958. (Class 46. Foods and Ingredients of Foods.) San Joaquin Baking Company, Fresno, Calif. Original filed, act of 1946, Principal Register, Aug. 30, 1947; amended to application, Supplemental Register, May 7, 1951, Serial No. 532,961.



The drawing is stippled to indicate shading. The picture of the girl is fanciful. Applicant claims ownership of Registration No. 200,189.
For Bread.
Claims use since Jan. 3, 1915.

544,959. (Class 37. Paper and Stationery.) The Esterbrook Pen Company, Camden, N. J. Filed Sept. 9, 1947, Serial No. 533,859.

AMERICA'S FIRST PEN MAKER

For Writing, Drawing, and Lettering Pens; Fountain Pens, Feeds, Caps and Barrels Therefor; Penholders, Mechanical Pencils, Erasing Pen, Inkwells, Desk Sets, Spring Clips, Interchangeable Nib and Feed Assembly, Rubber or Composition Erasers, and Pencil Leads.
Claims use since 1935.

544,960. (Class 46. Foods and Ingredients of Foods.) Jose Bolgar, Buenos Aires, Argentina. Filed Sept. 11, 1947, Serial No. 534,082.



Applicant claims ownership of Argentine Registration No. 237,186 dated Sept. 30, 1946.
For Canned, Cooked Ham, Canned Pate de Foie, Canned Corned Beef and Sausages in Cans.

544,961. (Class 46. Foods and Ingredients of Foods.) The Barton Salt Company, Hutchinson, Kans. Original filed, act of 1946, Principal Register, Sept. 24, 1947; amended to application, Supplemental Register, May 19, 1950, Serial No. 535,460.



For Salt.
Claims use since Oct. 21, 1924.

544,962. (Class 46. Foods and Ingredients of Foods.) Filice & Perrelli Canning Company, Inc., Richmond, Calif. Original filed, act of 1946, Principal Register, Nov. 14, 1947; amended to application, Supplemental Register, Mar. 9, 1951, Serial No. 541,119.



Applicant claims ownership of Registration No. 403,581.
For Canned Fruits.
Claims use since June 1, 1922.

544,963. (Class 34. Heating, Lighting and Ventilating Apparatus.) S. F. Appliances, Limited, Ridgefield, N. J. Original filed, act of 1946, Principal Register, Dec. 18, 1947; amended to application, Supplemental Register, Dec. 16, 1950, Serial No. 544,781.



For Incandescent Mantles.
Claims use since July 1939.

544,964. (Class 21. Electrical Apparatus, Machines and Supplies.) National Battery Company, St. Paul, Minn., now by change of name, Gould-National Batteries, Inc., a corporation of Delaware. Original filed, act of 1946, Principal Register, April 1, 1948; amended to application, Supplemental Register, June 23, 1950, Serial No. 553,631.



For Combination Vent Plugs and Liquid Level Indicators for Storage Batteries.
Claims use since April 7, 1947.

544,965. (Class 46. Foods and Ingredients of Foods.) E. F. Drew & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, May 1, 1948; amended to application, Supplemental Register, Dec. 10, 1949, Serial No. 555,998.



The drawing is lined for the colors red and blue.
For Vegetable Shortening.
Claims use since January 1939.

544,966. (Class 24. Laundry Appliances and Machines.) Donaco Plastics, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, June 15, 1948; amended to application, Supplemental Register, April 11, 1950, Serial No. 559,220.



For Collapsible Wall Racks Used for Holding Hosiery While Drying.
Claims use since Oct. 1, 1945.

544,967. (Class 46. Foods and Ingredients of Foods.) Grower-Shipper Potato Company, Monte Vista, Colo. Filed July 13, 1948, Serial No. 561,237.



The drawing is lined for red and blue.
For Potatoes in Their Natural State.
Claims use since July 1938.

544,968. (Class 38. Prints and Publications.) Free Sewing Machine Co., Rockford, Ill. Filed July 19, 1948, Serial No. 561,666.



For Catalogs and Circulars Periodically Issued and Distributed.
Claims use since July 10, 1944.

544,969. (Class 46. Foods and Ingredients of Foods.) Gumakers of America, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 25, 1948; amended to application, Supplemental Register, Oct. 20, 1950, Serial No. 564,120.

KEEN

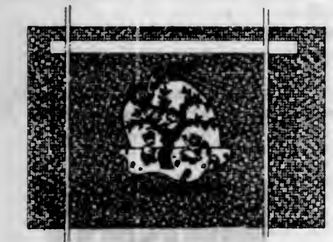
For Chewing Gum.
Claims use since Feb. 15, 1948.

544,970. (Class 38. Prints and Publications.) Hall Brothers, Inc., Kansas City, Mo. Original filed, act of 1946, Principal Register, Sept. 18, 1948; amended to application, Supplemental Register, Apr. 9, 1951, Serial No. 565,427.

Dolls of the Nations

For Greeting and Paper Doll Cards.
Claims use since Aug. 17, 1948.

544,971. (Class 46. Foods and Ingredients of Foods.) Blum's, San Francisco, Calif. Filed Nov. 23, 1948, Serial No. 569,244.



The drawing is lined for the color yellow.
Applicant claims ownership of Registrations Nos. 263,851, 430,851, 430,852, 430,853, 430,854, 440,267.
For Candy.
Claims use since Nov. 10, 1947.

544,972. (Class 18. Medicines and Pharmaceutical Preparations.) Istituto Nazionale Medico Farmacologico, assignee of Cesare Serono, Rome, Italy. Original filed, act of 1946, Principal Register, Jan. 14, 1949; amended to application, Supplemental Register, Apr. 25, 1951, Serial No. 572,211.

PEPTOPANCREASI

Applicant claims ownership of Italy Registration No. 64,946, dated Apr. 29, 1942, and U. S. Registration No. 191,567 (expired).
For Preparation Composed of an Active Glyceric Solution of Gastric and Pancreatic Juices for Curing Disorders of the Digestive Organs.

544,973. (Class 46. Foods and Ingredients of Foods.) Pfarr Better Foods, Modesto, Calif. Original filed, act of 1946, Principal Register, Feb. 15, 1949; amended to application, Supplemental Register, Sept. 2, 1950, Serial No. 573,892.

Pfarr Better

For Jellies and Fruit Preserves.
Claims use since Mar. 18, 1948.

544,974. (Class 34. Heating, Lighting and Ventilating Apparatus.) International Sales Company, San Francisco, Calif. Original filed, act of 1946, Principal Register, Feb. 28, 1949; amended to application, Supplemental Register, May 11, 1950, Serial No. 574,621.

FILTERED COMFORT

For Gas Furnaces.
Claims use since Mar. 16, 1946.

544,975. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) F. Schumacher & Co., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 2, 1949; amended to application, Supplemental Register, Mar. 22, 1951, Serial No. 574,791.

COLOR CODED

For Piece Goods Made of Cotton, Cotton and Rayon, and Rayon, Used Primarily as Decorative Drapery and Upholstery Fabrics.
Claims use since Feb. 7, 1949.

544,976. (Class 21. Electrical Apparatus, Machines, and Supplies.) Edmond G. Franklin, doing business as Franklin Engineering Co., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Mar. 25, 1949; amended to application, Supplemental Register, Mar. 19, 1951, Serial No. 576,051.

THERMALITE

For Electric Soldering Irons.
Claims use since March 1947.

544,977. (Class 26. Measuring and Scientific Appliances.) Cleveland Grinding Machine Co., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Apr. 5, 1949; amended to application, Supplemental Register, Oct. 11, 1950, Serial No. 576,630.

VISUAL GRIND

For an Optical Projection Viewer for Tool Grinding Machines Which Projects an Image Revealing the Progress of the Workpiece in the Tool Grinding Machine.
Claims use since Mar. 1, 1949.

544,978. (Class 22. Games, Toys, and Sporting Goods.) Jaret & Diamond, New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 26, 1949; amended to application, Supplemental Register, May 10, 1951, Serial No. 577,719.

Play-House Dolls

The word "Dolls" is disclaimed.
For Dolls of Various Types, Shapes and Sizes.
Claims use since Mar. 9, 1949.

544,979. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Edward Valves, Inc., East Chicago, Ind. Original filed, act of 1946, Principal Register, May 31, 1949; amended to application, Supplemental Register, Apr. 17, 1951, Serial No. 579,767.

PRESSURE-SEAL

For Valves for Control of Fluids.
Claims use since May 2, 1948.

544,980. (Class 26. Measuring and Scientific Appliances.) Liquid Lens Corporation, New York and Jamaica, N. Y. Original filed, act of 1946, Principal Register, June 22, 1949; amended to application, Supplemental Register, Nov. 2, 1950, Serial No. 580,890.

ALL-VUE
LOOK
CORRECTOR

For Magnifying Lenses for Television Sets.
Claims use since Oct. 9, 1947.

544,981. (Class 46. Food and Ingredients of Foods.) Reese of California, Inc., Los Angeles, Calif. Original filed, act of 1946, Principal Register, June 23, 1949; amended to application, Supplemental Register, June 30, 1950, Serial No. 580,947.

The Epicureans Choice
Reese
of California

For Canned and Frozen Fish, Canned Caviar, Canned Fish Paste, Canned Boned Chicken, Canned Boned Turkey, and Canned Bamboo Shoots, Jarred and Canned Hearts of Palm, Canned Water Chestnuts, Canned Fruit Juices, Jarred and Canned Fruits, Jarred and Canned Vegetables, Tomato Paste, Tomato Aspics, Fruit Preserves, Jams, Jellies, Apple Butter, Mince-Meat, Tea Wafers, Cocktail Snacks—Namely, Cheese Crackers, Potato Chips, and Pretzels; and Condiments—Namely, Mayonnaise, Salad Dressing, Sandwich Spreads, Pickles, Pickle Relishes, Olives, Prepared Mustard, Vinegar, Table Sauces, and Flavoring Extracts for Foods.
Claims use since Mar. 23, 1949.

544,982. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Hygiene Shower Curtain Mfg. Co. Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 21, 1949; amended to application, Supplemental Register, Nov. 9, 1950, Serial No. 582,309.

Hygiene

For Shower Curtains.
Claims use since July 1933.

544,983. (Class 46. Foods and Ingredients of Foods.) Canton Poultry Company, Inc., Canton, Ga. Original filed, act of 1946, Principal Register, Aug. 3, 1949; amended to application, Supplemental Register, Oct. 5, 1950, Serial No. 582,887.

CANTON'S CHOICE

For Processed Poultry—Namely, Quick Frozen Ready Cut Chicken.
Claims use since Jan. 1, 1947.

544,984. (Class 46. Foods and Ingredients of Foods.) Allied Mills, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 5, 1949; amended to application, Supplemental Register, Apr. 27, 1951, Serial No. 583,019.

WAYNE

Applicant claims ownership of Registration No. 241,385, Ren. No. 419,025, and others.
For Bland Proteinaceous Powder Produced From Soybean Flakes and Sold Primarily in Bulk Containers for Use in Manufacturing Foods for Human Consumption.
Claims use since July 27, 1949.

544,985. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Nikolai Martinsen, doing business as Martinsen Machine Shop, Palo Alto, Calif. Original filed, act of 1946, Principal Register, Aug. 15, 1949; amended to application, Supplemental Register, Aug. 25, 1950, Serial No. 583,484.

TILT-A-CAN

For Brackets for Supporting Liquid Containers To Enable Pouring Therefrom and Removable Pouring Spouts for Liquid Containers.
Claims use since Apr. 18, 1949.

544,986. (Class 38. Prints and Publications.) Sutton Publishing Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 5, 1949; amended to application, Supplemental Register, Apr. 12, 1951, Serial No. 585,815.

METAL-WORKING

Applicant claims ownership of Registration No. 424,412.
For Periodicals Published From Time to Time.
Claims use since September 1949.

544,987. (Class 39. Clothing.) Butler Brothers, Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 29, 1949; amended to application, Supplemental Register, Sept. 30, 1950, Serial No. 587,011.

Kasual

For Women's and Girls' Anklets and Socks.
Claims use since June 1948.

544,988. (Class 38. Prints and Publications.) Park Publishing Co., Hoboken and Union City, N. J. Original filed, act of 1946, Principal Register, Nov. 14, 1949; amended to application, Supplemental Register, Nov. 10, 1950, Serial No. 587,745.

SHUFFLEBOARD WORLD

The lining on the drawing is for shading.
For Periodicals.
Claims use since September 1949.

544,989. (Class 22. Games, Toys, and Sporting Goods.) The Standard Net Manufacturing Company, Beaufort, N. C. Original filed, act of 1946, Principal Register, Dec. 7, 1949; amended to application, Supplemental Register, Nov. 25, 1950, Serial No. 588,973.

THE RETARDO

For Basketball Net Specially Designed To Retard Passage of the Ball Through Said Net.
Claims use since May 17, 1948.

544,990. (Class 6. Chemicals and Chemical Compositions.) S. C. Johnson & Son, Inc., Racine, Wis. Original filed, act of 1946, Principal Register, Dec. 14, 1949; amended to application, Supplemental Register, Feb. 8, 1951, Serial No. 589,320.

OrangeGlo

For Colored Emulsion for Coating Produce and Other Edibles.
Claims use since Nov. 10, 1949.

544,991. (Class 13. Harware and Plumbing and Steam-Fitting Supplies.) Charles T. Lewis, doing business as Lewis Manufacturing Company, Oklahoma City, Okla. Original filed, act of 1946, Principal Register, Dec. 24, 1949; amended to application, Supplemental Register, May 3, 1951, Serial No. 589,903.

Lewis

For Safety Belts, Hose Connectors, and Cable Connectors.
Claims use since Mar. 2, 1946.

544,992. (Class 21. Electrical Apparatus, Machines, and Supplies.) Kulka Electric Mfg. Co., Inc., Mount Vernon, N. Y. Filed Jan. 19, 1950, Serial No. 591,091.

Telescopic

For Electric Sockets for Gaseous Discharge Lamps.
Claims use since Dec. 1, 1948.

544,993. (Class 22. Games, Toys, and Sporting Goods.) Williams Manufacturing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 19, 1950; amended to application, Supplemental Register, Apr. 27, 1951, Serial No. 591,132.

TWIN SHUFFLE

For Coin-Controlled Amusement Apparatus.
Claims use since Dec. 1, 1949.

544,994. (Class 39. Clothing.) Norman Grober, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 2, 1950; amended to application, Supplemental Register, Apr. 4, 1951, Serial No. 591,848.

SuspendaGown

For Nightgowns.
Claims use since Nov. 17, 1949.

544,995. (Class 38. Prints and Publications.) Simmons-Boardman Publishing Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 7, 1950; amended to application, Supplemental Register, Apr. 26, 1951, Serial No. 592,104.

RAILWAY Mechanical and Electrical Engineer

Applicant claims ownership of Registrations Nos. 210,511 and 210,512.
For Periodical.
Claims use since January 1950.

544,996. (Class 38. Prints and Publications.) Luther E. Crist, Manhasset, N. Y. Original filed, act of 1946, Principal Register, Feb. 15, 1950; amended to application, Supplemental Register, Apr. 26, 1951, Serial No. 592,480.

FOOD SALES Promotion

For Periodicals Published From Time to Time.
Claims use since Feb. 7, 1950.

544,997. (Class 22. Games, Toys, and Sporting Goods.) Henry T. Greene, Forrestville, Md. Original filed, act of 1946, Principal Register, Mar. 2, 1950; amended to application, Supplemental Register, May 10, 1951, Serial No. 593,273.

Bell Board

For Punch Board Game.
Claims use since Feb. 20, 1950.

544,998. (Class 22. Games, Toys, and Sporting Goods.) Henry T. Greene, Forrestville, Md. Original filed, act of 1946, Principal Register, Mar. 2, 1950; amended to application, Supplemental Register, May 10, 1951, Serial No. 593,274.

Chimeboard

For Punch Board Game.
Claims use since Feb. 20, 1950.

544,999. (Class 39. Clothing.) S. D. Arrowood & Co., Incorporated, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 11, 1950; amended to application, Supplemental Register, Mar. 12, 1951, Serial No. 593,773.

"EXACTOLENGTH"

For Hosiery for Women and Girls.
Claims use since Feb. 10, 1950.

545,000. (Class 46. Foods and Ingredients of Foods.) Jaffe Candy Co., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Mar. 13, 1950; amended to application, Supplemental Register, May 1, 1951, Serial No. 593,873.

Berkshire

For Candy.
Claims use since Nov. 9, 1949.

545,001. (Class 21. Electrical Apparatus, Machines, and Supplies.) Zenith Radio Corporation, Chicago, Ill. Original filed, act of 1946, Principal Register, Mar. 17, 1950; amended to application, Supplemental Register, Mar. 28, 1951, Serial No. 594,170.

THE ROYALTY OF RADIO AND TELEVISION

Applicant claims ownership of Registrations Nos. 400,944 and 400,945.
For Radio and Television Receiving Apparatus and Parts Thereof.
Claims use since Feb. 22, 1950.

545,002. (Class 21. Electrical Apparatus, Machines, and Supplies.) Telrex, Inc., Asbury Park, N. J. Original filed, act of 1946, Principal Register, Apr. 10, 1950; amended to application, Supplemental Register, Mar. 23, 1951, Serial No. 595,520.

ATTIC "V" BEAM

For Radio and/or Television Antennas.
Claims use since January 1950.

545,003. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Anglo Fabrics Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 15, 1950; amended to application, Supplemental Register, Apr. 10, 1951, Serial No. 595,753.

DUOLANA

For Woolen and Worsted Piece Goods.
Claims use since Apr. 5, 1950.

545,004. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Faribault Woolen Mill Company, Faribault, Minn. Original filed, act of 1946, Principal Register, Apr. 17, 1950; amended to application, Supplemental Register, Mar. 12, 1951, Serial No. 595,833.

Cush-n-Robe

For Combined Automobile or Stadium Robe and Carrying Case Therefor.
Claims use since Nov. 1, 1949.

545,005. (Class 38. Prints and Publications.) John Morrell, Chicago, Ill. Original filed, act of 1946, Principal Register, May 6, 1950; amended to application, Supplemental Register, Apr. 12, 1951, Serial No. 597,007.

Birthdays Should Be Celebrated

For Weekly Newspaper Column.
Claims use since Feb. 9, 1950.

545,006. (Class 46. Foods and Ingredients of Foods.) Bonnie Brae Vineyards, Exeter, Calif. Original filed, act of 1946, Principal Register, May 26, 1950; amended to application, Supplemental Register, Mar. 12, 1951, Serial No. 598,149.

Dugans Dew

For Fresh Grapes.
Claims use since Sept. 28, 1949.

545,007. (Class 46. Foods and Ingredients of Foods.) Marine Products Company, San Diego, Calif. Filed July 3, 1950, Serial No. 600,178.



For Fresh Shrimp.
Claims use since Oct. 31, 1941.

545,008. (Class 38. Prints and Publications.) Roy H. Park, Inc., Ithaca, N. Y. Original filed, act of 1946, Principal Register, July 5, 1950; amended to application, Supplemental Register, Mar. 6, 1951, Serial No. 600,224.

The **Rural Telephone**

For Section of a Periodical Publication.
Claims use since Mar. 15, 1949.

545,009. (Class 46. Foods and Ingredients of Foods.) Jaffe Candy Company, also operating as Paula James Confections, Los Angeles, Calif. Original filed, act of 1946, Principal Register, July 14, 1950; amended to application, Supplemental Register, May 1, 1951, Serial No. 600,678.

Crenshaw

For Candy.
Claims use since Nov. 9, 1949.

545,010. (Class 46. Foods and Ingredients of Foods.) Jaffe Candy Co., also operating as Paula James Confections, Los Angeles, Calif. Original filed, act of 1946, Principal Register, July 14, 1950; amended to application, Supplemental Register, May 1, 1951, Serial No. 600,679.

Wilshire

For Candy.
Claims use since Mar. 17, 1949.

545,011. (Class 21. Electrical Apparatus, Machines and Supplies.) National Products Corporation, Boston and Waltham, Mass. Original filed, act of 1946, Principal Register, Aug. 30, 1950; amended to application, Supplemental Register, Apr. 27, 1951, Serial No. 602,966.

KEEP YOUR POWER DRY

For Sheathed Electrical Connectors Particularly Adapted for Use in Ignition Circuits.
Claims use since February 1950.

545,012. (Class 6. Chemicals and Chemical Compositions.) W. C. Hardesty Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 8, 1950; amended to application, Supplemental Register, May 8, 1951, Serial No. 603,294.



For Stearic Acid, Glycerine, Red Oil, White Oleine, Hydrogenated Fatty Acids, Palmitic Acid, Distilled Animal and Vegetable Fatty Acids.
Claims use since March 1950.

545,013. (Class 6. Chemicals and Chemical Compositions.) W. C. Hardesty Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 9, 1950; amended to application, Supplemental Register, May 8, 1951, Serial No. 603,366.



The drawing is lined for shading.
For Stearic Acid, Glycerine, Red Oil, White Oleine, Hydrogenated Fatty Acids, Palmitic Acid, Distilled Animal and Vegetable Fatty Acids.
Claims use since March 1950.

545,014. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) D. B. Fuller & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 14, 1950; amended to application, Supplemental Register, Mar. 29, 1951, Serial No. 603,522.

KRINKLE-KRISP

For Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres and Mixtures Thereof.
Claims use since June 21, 1948.

545,015. (Class 22. Games, Toys, and Sporting Goods.) The Arnold Tackle Corporation, Paw Paw, Mich. Original filed, act of 1946, Principal Register, July 28, 1950; amended to application, Supplemental Register, Apr. 16, 1951, Serial No. 603,710.

MICHIGAN BUG

For Artificial Bait.
Claims use since Dec. 1, 1949.

545,016. (Class 38. Prints and Publications.) Tax Foundation, Incorporated, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 22, 1950; amended to application, Supplemental Register, Apr. 26, 1951, Serial No. 604,059.

TAX OUTLOOK

TOWARD BETTER GOVERNMENT THROUGH CITIZEN UNDERSTANDING

For Monthly Publication.
Claims use since Sept. 27, 1946.

545,017. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) D. B. Fuller & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 27, 1950; amended to application, Supplemental Register, Mar. 29, 1951, Serial No. 604,091.

PUKKERCHECK

Applicant claims ownership of Registrations Nos. 435,813 and 531,397.
For Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Aug. 2, 1948.

545,018. (Class 21. Electrical Apparatus, Machines and Supplies.) Reliable Electric Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 26, 1950; amended to application, Supplemental Register, May 5, 1951, Serial No. 604,118.

SQUEEZ TAPS

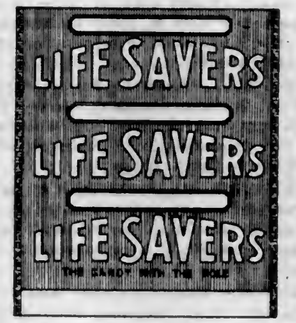
For Electrical Connectors—Namely, Cable Splicers.
Claims use since Mar. 24, 1950.

545,019. (Class 22. Games, Toys, and Sporting Goods.) Zwicker-Graf Mfg. Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 29, 1950; amended to application, Supplemental Register, Apr. 14, 1951, Serial No. 604,247.

MONTI

For Fishing Equipment Consisting of Fishing Reels, Artificial Fishing Lures, Fishing Lines, Fishing Rods.
Claims use since January 1947.

545,020. (Class 46. Foods and Ingredients of Foods.) Life Savers Corporation, Port Chester, N. Y. Filed Oct. 12, 1950, Serial No. 604,787.



The drawing is lined to indicate red, blue, and gold.
Applicant claims ownership of Registrations Nos. 93,080, 115,895, 128,462, 141,176, 141,177, 141,178, 141,179, 141,180, 141,181, 187,298, 235,060, 283,669, 283,670, 283,671, 283,672, 283,673, 286,404, 286,405, 286,406, 286,428, 286,429, 286,430, 301,784, 302,676, 302,679, 355,158, 361,765, 382,519, 518,249, and 518,250.
For Candies.
Claims use since May 1, 1947.

545,021. (Class 101. Advertising and Business.) Jules Sacks, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Aug. 24, 1949; amended to application, Supplemental Register, May 10, 1950, Serial No. 583,948.

UNI-BAR FASTYPE

For Preparation of Single Slugs or Bars of Multigraph Type According to Particular Requirements and the Rental Thereof to Multigraph Users.
Claims use since Nov. 2, 1948.

TRADE-MARK REGISTRATIONS RENEWED

36,221. "CAMEO" AND DRAWING. Registered Apr. 9, 1901. National Biscuit Company, Jersey City, N. J., and Chicago, Ill. Re-renewed Apr. 9, 1951, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Biscuits, Crackers, Bread, Snaps, Cakes, Wafers, and Jumbles. Class 46.

36,521. "ZU ZU" WITH HEAVY UNDERLINE. Registered June 4, 1901. National Biscuit Company, Jersey City, N. J., and Chicago, Ill. Re-renewed June 4, 1951, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Snaps, Biscuits, Crackers, Cakes, Wafers, Bread, Jumbles, Hard and Soft Boiled Confectionery, Including Grainwork, Etc. Class 46.

80,907. "SALVADOR GUARDIAS" AND PORTRAIT. Registered Feb. 14, 1911. Louise C. Finlay. Re-renewed Feb. 14, 1951, to Guardias Ointment Company, Inc., New York, N. Y., a corporation of New York. Ointment. Class 18.

81,817. KLIPS. Registered May 9, 1911. National Biscuit Company, Jersey City, N. J., and New York, N. Y. Re-renewed May 9, 1951, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Biscuit. Class 46.

82,382. GOVERNOR. Registered June 20, 1911. Union Fishermen's Co-Operative Packing Company, Astoria, Oreg., a corporation of Oregon. Re-renewed June 20, 1951. Canned Salmon. Class 46.

82,529. FILIGREE. Registered July 4, 1911. National Biscuit Company, Jersey City, N. J., and New York, N. Y. Re-renewed July 4, 1951, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Biscuit. Class 46.

82,545. BERMALO. Registered July 4, 1911. C. A. Woolsey Paint & Color Company, Jersey City, N. J. Re-renewed July 4, 1951, to C. A. Woolsey Paint & Color Co. Inc., New York, N. Y., a corporation of New York. Cold-Water Paint. Class 16.

82,546. MENITONE. Registered July 4, 1911. C. A. Woolsey Paint & Color Company, Jersey City, N. J. Re-renewed July 4, 1951, to C. A. Woolsey Paint & Color Co. Inc., New York, N. Y., a corporation of New York. Interior Paint. Class 16.

82,691. "THE ARCH DOCTOR" AND DRAWING. Registered July 18, 1911. Heywood Boot & Shoe Company, Worcester, Mass., a corporation of Massachusetts. Re-renewed July 18, 1951. Leather Boots and Shoes. Class 39.

82,746. PHOSPHAGON. Registered July 25, 1911. The Arlington Chemical Co. Re-renewed July 25, 1951, to The Arlington Chemical Company, Yonkers, N. Y., a corporation of New York. Liquid Nutritive and Remedial Compound for Asthenia, Neurasthenia, Tabes Dorsalis, and Other Nervous Affections or Disorders. Class 18.

83,464. "RYCO." Registered Sept. 12, 1911. Richard Young Co., New York, N. Y. Re-renewed Sept. 12, 1951, to Richard Young Company, Boston, Mass., a corporation of New York. Leather—Namely, Mat Calf, Mat Kid, Kangaroo, Glazed and Dull Sheep, and Glazed and Dull Goat. Class 1.

83,586. WEILDA. Registered Sept. 26, 1911. A. C. Lawrence Leather Co., Boston, Mass. Re-renewed Sept. 26, 1951, to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine. Finished Leather. Class 1.

83,617. KING. Registered Sept. 26, 1911. United States Wire Mat Co. Re-renewed Sept. 26, 1951, to U. S. Manufacturing Corporation, Decatur, Ill., a corporation of Illinois. Implements for Disabling or Killing Insects. Class 50.

276,049. REPRESENTATION OF STILL. Registered Oct. 7, 1930. Société Anonyme des Etablissements Roure Bertrand Fils & Justin Dupont, Grasse, France. Renewed Oct. 7, 1950, to Société Anonyme des Etablissements Roure Bertrand Fils & Justin Dupont, Paris, France, a corporation organized under the laws of France. Natural and Synthetic Organic Chemical Compounds Suitable for Use in the Production of Flavoring Extracts for Food Purposes. Class 46.

278,825. DUBBLE SUCKER. Registered Dec. 30, 1930. Frank H. Fleer Corporation, Philadelphia, Pa., a corporation of Delaware. Renewed Dec. 30, 1950. Chewing Gum Comprising a Core of Chewing Gum and a Thick Coating or Covering of Hard Candy. Class 46.

279,679. "CHISHOLM'S" ETC. Registered Jan. 20, 1931. The Chisholm Shoe Company, Cleveland, Ohio. Renewed Jan. 20, 1951, to Chisholm Boot Shops, Inc., Akron, Ohio, a corporation of Ohio. Shoes Made of Leather, Leather and Fabric, and the Combination of Leather, Rubber, and Fabric. Class 39.

280,382. "LEMC" AND DRAWING. Registered Feb. 17, 1931. Liebig's Extract of Meat Company Limited, London, England, a limited liability company organized under the laws of the United Kingdom. Renewed Feb. 17, 1951. Fertilizers. Class 10.

281,184. COURTAULDS. Registered Mar. 10, 1931. Courtaulds Limited, London, England, a limited liability company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Mar. 10, 1951. Yarns of Cellulose. Class 43.

281,185. "COURTAULDS" AND DESIGN. Registered Mar. 10, 1931. Courtaulds Limited, London, England, a limited liability company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Mar. 10, 1951. Yarns of Cellulose. Class 43.

281,467. THE EXPLORER. Registered Mar. 17, 1931. Sears, Roebuck and Co., Chicago, Ill., a corporation of New York. Renewed Mar. 17, 1951. Watches. Class 27.

281,916. ROYAL STOCK. Registered Apr. 7, 1931. The Old Dutch Mills, Inc. Renewed Apr. 7, 1951, to Old Dutch Coffee Co., Incorporated, New York, N. Y., a corporation of New York. Coffee, Tea, Cocoa. Class 46.

281,955. "TURNLOK". Registered Apr. 7, 1931. Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y., a corporation of New York. Renewed Apr. 7, 1951. Electrical Attachment Plugs and Attachment-Plug Receptacles of the Variety Which Lock Together by Being Given a Slight Turn. Class 21.

282,155. GINGY. Registered Apr. 14, 1931. Barnett & Foster. Renewed Apr. 14, 1951, to Barnett & Foster, Limited, London, England, a company organized under the laws of Great Britain. Concentrated Brewed Ginger Beer. Class 45.

282,362. HENRI S. GOMPES OPÉRA. Registered Apr. 21, 1931. Henri S. Gompes. Renewed Apr. 21, 1951, to Ruth Gompes, New York, N. Y. Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Etc. Class 51.

2,282,463. RAMONA. Registered Apr. 21, 1931. Erwin M. Krekorian, La Jolla, Calif. Renewed Apr. 21, 1951, to Erwin M. Krekorian, Encino, Calif. Pottery and Garden Ornaments Made of Clay or the Like—Namely, Pots, Urns, Basins. Class 30.

282,928. SEERITE. Registered May 5, 1931. Testrite Instrument Company. Renewed May 5, 1951, to Testrite Instrument Co. Inc., New York, N. Y., a corporation of New York. Optical Instruments—Namely, Reading Glasses, Magnifying Lenses, Telescopes, Etc. Class 26.

282,992. CRAFTONE. Registered May 12, 1931. Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania. Renewed May 12, 1951. Linoleum. Class 20.

283,215. "METEOR" AND REPRESENTATION OF METEOR. Registered May 19, 1931. Sears, Roebuck and Co., Chicago, Ill., a corporation of New York. Renewed May 19, 1951. Storage "A" and "B" Batteries. Class 21.

283,263. PROTECTO. Registered May 19, 1931. Protecto Manufacturing Company. Renewed May 19, 1951, to Harnly Weatherstrip Company, Chicago, Ill., a copartnership. Metal-Bound Felt Weather Strips for Use on Doors and Windows. Class 12.

283,318. DURA SEAL. Registered May 26, 1931. International Chemical Company, Chicago, Ill., a corporation of Illinois. Renewed May 26, 1951. Preservative and Finish in the Nature of a Paint or Varnish for Articles and Constructions of Wood, Cork, Cement, Marble, Terrazzo, and Compositions. Class 16.

283,542. ELEBROM. Registered June 2, 1931. United Drug Company, Boston, Mass. Renewed June 2, 1951, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. Medicinal Preparation Consisting of an Elixir of Triple Bromides. Class 18.

283,817. KORJENA. Registered June 9, 1931. Jerome J. Gladke, doing business as Korjena Medicine Co. Renewed June 9, 1951, to Robert L. Gladke, Elmira, N. Y. Pharmaceutical Preparation for the Reduction of Excessive Fat, in Tablet Form. Class 18.

283,995. REPRESENTATION OF PINEAPPLE WITHIN TRIANGLE DESIGN. Registered June 9, 1931. Libby, McNeill & Libby, Chicago, Ill., a corporation of Maine. Renewed June 9, 1951. Canned Pineapple. Class 46.

284,192. "VENTURI" AND DESIGN. Registered June 16, 1931. Merco Nordstrom Valve Company, San Francisco, Calif. Renewed June 16, 1951, to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania. Plug Valves. Class 13.

284,221. "WEL-PAC" AND REPRESENTATION OF LION. Registered June 16, 1931. Pacific Trading Co., Inc., San Francisco, Calif., a corporation of California. Renewed June 16, 1951. Canned Fruits and Fish. Class 46.

284,480. DURA-BELT. Registered June 30, 1931. George L. Robbins, Inc. Renewed June 30, 1951, to Geo. L. Robbins Co., New York, N. Y., a partnership. Apparel Belts. Class 39.

284,876. "P. HOPPE NIGHT CAP" ETC. AND DRAWING. Registered July 7, 1931. P. Hoppe. Renewed July 7, 1951, to Distilleerderij en Likeurstokerij P. Hoppe N. V., Amsterdam, Holland, a joint stock company organized under the laws of the Netherlands. Gin. Class 49.

285,054. "GOLFNICKS" ETC. AND DRAWING. Registered July 14, 1931. Elmer L. Ward, Boston, Mass. Renewed July 14, 1951, to Palm Beach Company, Cincinnati, Ohio, a corporation of Maine. Men's, Women's, and Boys' Outer Clothing Consisting of Knickerbockers. Class 39.

285,067. AMACO. Registered July 14, 1931. American Art Clay Company, Indianapolis, Ind., a corporation of Indiana. Renewed July 14, 1951. Modeling Clay, Clay Flour, Moist Clay, Etc. Class 1.

285,170. BEN-HUR. Registered July 14, 1931. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed July 14, 1951. Wheat Flour. Class 46.

285,573. "PRINCESS PAT" AND DRAWING. Registered July 28, 1931. Princess Pat Products Limited, Toronto, Ontario, Canada, a corporation organized under the laws of Ontario. Renewed July 28, 1951. Hair Nets. Class 39.

285,942. REPRESENTATION OF GIANT HOLDING GREEN PEAS. Registered Aug. 11, 1931. Minnesota Valley Canning Company. Renewed Aug. 11, 1951, to Green Giant Company, Le Sueur, Minn., a corporation of Minnesota. Canned Peas. Class 46.

285,943. REPRESENTATION OF GIANT HOLDING GREEN PEAS AND DRAWING. Registered Aug. 11, 1931. Minnesota Valley Canning Company. Renewed Aug. 11, 1951, to Green Giant Company, Le Sueur, Minn., a corporation of Minnesota. Canned Peas. Class 46.

285,983. REPRESENTATION OF GIANT HOLDING GREEN PEAS AND DRAWING. Registered Aug. 11, 1931. Minnesota Valley Canning Company. Renewed Aug. 11, 1951, to Green Giant Company, Le Sueur, Minn., a corporation of Minnesota. Canned Peas. Class 46.

286,168. "THE MODERN BUILDER" AND DRAWING. Registered Aug. 18, 1931. The Builders' Association of Kansas City, Mo., Kansas City, Mo., a corporation of Missouri. Renewed Aug. 18, 1951. Monthly Magazines. Class 38.

286,422. "GREEN GIANT" AND DRAWING. Registered Aug. 25, 1931. Minnesota Valley Canning Company. Renewed Aug. 25, 1951, to Green Giant Company, Le Sueur, Minn., a corporation of Minnesota. Canned Peas. Class 46.

286,572. SENORITA. Registered Sept. 1, 1931. The Bacon Banjo Co., Inc., Groton, Conn. Renewed Sept. 1, 1951, to The Fred. Gretsch Manufacturing Co., Brooklyn, N. Y., a corporation of New York. Banjo. Class 36.

286,590. POMPTON. Registered Sept. 1, 1931. Ludlum Steel Co., Watervliet, N. Y. Renewed Sept. 1, 1951, to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania. Rolled Steel Bars, Steel Forgings, and Steel Castings. Class 14.

286,750. SOP-O-ZON. Registered Sept. 1, 1931. Bobrick Manufacturing Corporation, Los Angeles, Calif., a corporation of Delaware. Renewed Sept. 1, 1951. Liquid Soap Dispensers. Class 13.

286,752. CORSAIR. Registered Sept. 1, 1931. Chance Vought Corporation, Hartford, Conn. Renewed Sept. 1, 1951, to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware. Aircraft—Namely, Land and Hydro-Airplanes and Structural Parts Thereof. Class 19.

286,793. "STRAIGHTLINE" AND REPRESENTATION OF STRAIGHT LINE. Registered Sept. 1, 1931. Link-Belt Company, Chicago, Ill., a corporation of Illinois. Renewed Sept. 1, 1951. Sewage and Water Screens, Parts and Accessories, Activated Sludge Plants, Etc. Class 23.

286,824. CO-ED. Registered Sept. 8, 1931. Louis B. Grabosky. Renewed Sept. 8, 1951, to Grabosky Bros., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Cigars. Class 17.

286,825. ROYALIST. Registered Sept. 8, 1931. Louis B. Grabosky. Renewed Sept. 8, 1951, to Grabosky Bros., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Cigars. Class 17.

286,882. "O. C." AND REPRESENTATION OF WINGS. Registered Sept. 8, 1931. The O-C Manufacturing Company, Jersey City, N. J. Renewed Sept. 8, 1951, to Francis H. Montmarquet, doing business as The O-C Manufacturing Co., Little Falls, N. J. Jock Straps, Suspensories, and Athletic Supporters for Both Men and Women, and Ankle and Wrist Supporters. Class 44.

287,077. WET ME WET. Registered Sept. 15, 1931. Ada Baldwin, Philadelphia, Pa. Renewed Sept. 15, 1951, to B. T. Babbitt, Inc., New York, N. Y., a corporation of New York. Cleansing and Polishing Compounds for Metal and Glass. Class 4.

287,098. "GLENSIDE" AND DESIGN. Registered Sept. 15, 1931. Wilkinson, Gaddis & Co., Newark, N. J. Renewed Sept. 15, 1951, to American Stores Company, Philadelphia, Pa., a corporation of Delaware. Vinegar, Salad Oil, Tomato Catsup, Cane and Maple Syrup, Etc. Class 46.

287,206. LOUELLA. Registered Sept. 15, 1931. American Stores Company, Philadelphia, Pa., a corporation of Delaware. Renewed Sept. 15, 1951. Butter. Class 46.

287,322. "OLYMPIC CHAMPION". Registered Sept. 22, 1931. The O-C Manufacturing Company, Jersey City, N. J. Renewed Sept. 22, 1951, to Francis H. Montmarquet, doing business as The O-C Manufacturing Co., Little Falls, N. J. Bathing Suit Belts, Athletic Flannel and Elastic Headbands, Bathing Girdles, Etc. Class 39.

287,394. FLOZON. Registered Sept. 22, 1931. Bond Electric Corporation, Jersey City, N. J. Renewed Sept. 22, 1951, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. Anti-Freeze Products. Class 6.

287,441. CHASE AND SANBORN'S. Registered Sept. 29, 1931. Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Renewed Sept. 29, 1951. Coffee and Tea. Class 46.

287,444. "SEAL BRAND" AND REPRESENTATION OF SEAL. Registered Sept. 29, 1931. Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Renewed Sept. 29, 1951. Coffee and Tea. Class 46.

287,445. SEAL BRAND. Registered Sept. 29, 1931. Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Renewed Sept. 29, 1951. Coffee and Tea. Class 46.

287,532. "FROM FORTY NATIONS" ETC. AND DRAWING. Registered Sept. 29, 1931. Peek and Velsor, Inc., New York, N. Y., a corporation of New Jersey. Renewed Sept. 29, 1951. Botanical Drugs—Namely, Barks: Angostura, Barberry Root, Bayberry, Etc. Class 18.

287,639. LANTEEN. Registered Sept. 29, 1931. Lanteen Laboratories, Inc., Chicago, Ill. Renewed Sept. 29, 1951, to Lanteen Medical Laboratories, Inc., Evanston, Ill., a corporation of Delaware. Applicators for Injection of Vaginal Prophylactic Substances, Etc. Class 44.

TRADE-MARK REGISTRATIONS CANCELED AND SURRENDERED

82,448. "PARLOGRAPH." Registered June 27, 1911. Carl Lindstrom Act. Ges., Berlin, Germany. Talking-Machines. Class 36. Canceled May 15, 1951. (Sec. 7(d).)

311,807. COPE'S. Registered Apr. 3, 1934. Cope Brothers, Landisville, Rheems, and Manheim, Pa. Evaporated or Dehydrated Green Sugar Corn for Human Consumption. Class 46. Canceled June 5, 1951. (Canc. No. 5628.)

330,225. "B. B. C." AND DESIGN. Registered Nov. 26, 1935. Handy Andy Community Stores, Inc. of Texas, San Antonio, Tex. Tooth Paste, Shampoo, Hair Tonic, Talcum Powder, Etc. Class 51, formerly Class 6. Canceled June 5, 1951. (Canc. No. 5620.)

352,960. HERCO. Registered Dec. 21, 1937. Hercules Company, Philadelphia, Pa. Hose, Constructed of Rubber, Cotton and Wire. Class 35. Canceled June 5, 1951. (Sec. 18.)

376,200. ROYAL. Registered Mar. 12, 1940. Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Class 19. Canceled June 5, 1951. (Sec. 18.)

398,583. "NORZON" AND DESIGN. Registered Nov. 10, 1942. Behr-Manning Corporation, Watervliet and Troy, N. Y. Pile Fabrics. Class 42. Canceled May 22, 1951. (Sec. 7(d).)

406,756. CHASE'M. Registered Apr. 25, 1944. Gaby Company, Philadelphia, Pa. Insect Repellents. Class 6. Canceled June 5, 1951. (Canc. No. 5538.)

425,591. REPCO PAR. Registered Nov. 26, 1946. Refined Products Company, Lyndhurst, N. J. Soap Substitute Applied to Textiles and Leather as a Finishing Agent and Detergent. Class 4. Canceled June 5, 1951. (Canc. No. 5532.)

430,556. REXOR. Registered June 17, 1947. Rexon Inc., New York, N. Y. Mouth Organs, Harmonicas, Music Boxes, Etc. Class 36. Canceled June 5, 1951. (Canc. No. 5478.)

512,906. "FRANKLY'S JOCKEY CLUB" AND DESIGN. Registered July 26, 1949. Frankly Fabrics Corp., New York, N. Y. Textile Fabrics Made of Rayon, Silk, Cotton and Mixtures Thereof by the Piece, Yard, and Bolt. Class 42. Canceled June 5, 1951. (Canc. No. 5602.)

513,135. "DUN RITE" and Design. Registered Aug. 2, 1949. Sidney E. Orefice, doing business as Oses Manufacturing Company, New York, N. Y. Detergent and Degreasing Agent. Class 4. Canceled June 5, 1951. (Sec. 18.)

519,755. PENNIES FROM HEAVEN. Registered Jan. 10, 1950. Christy Cosmetics Inc., New York, N. Y. Lipsticks. Class 51. Canceled June 5, 1951. (Canc. No. 5539.)

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

539,022. FANCIFUL DESIGN AND JAPANESE CHARACTERS. Registered Mar. 6, 1951. Kotake Company, Limited, Honolulu, Territory of Hawaii. Playing Cards—Namely, Cards for the Japanese Game, Hanafuda. Class 22. Corrected as follows: In the statement, lines 7 and 8, '"Kintengu," meaning "Golden Superman,"' should be *"Gintengu," meaning "Silver Superman,"*.

539,226. I. Registered Mar. 13, 1951. Illinois Gear & Machine Company, Chicago, Ill. Roller and Silent Chain Sprockets Made of Iron, Steel, or Bronze; Etc. Class 23. Corrected as follows: In the signature to the printed statement, for "U. P. REILLY" read *V. P. REILLY*.

539,227. "I G" AND DESIGN. Registered Mar. 13, 1951. Illinois Gear & Machine Company, Chicago, Ill. Roller and Silent Chain Sprockets Made of Iron, Steel or Bronze; Etc. Class 23. Corrected as follows: In the signature to the printed statement, for "U. P. REILLY" read *V. P. REILLY*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

177,130. "BISLERI" AND DESIGN. Registered Dec. 11, 1923. Renewed Dec. 11, 1943. Felice Bisleri & C. Medicinal Bitters and General Tonics. Class 18 (formerly Class 6). New certificate under section 7(c) issued July 10, 1951, to S. A. Felice Bisleri & Cia, Milan, Italy, a corporation of Italy.

508,641. LUTESTRA. Registered Apr. 12, 1949. Meyer Chemical Company. Parenteral Solution Containing Progesterone, Alpha-Estradiol, With Chlorobutanol, for Use in the Treatment of Amenorrhea or Menometorrhagia. Class 6. New certificate under section 7(c) issued July 10, 1951, to Sharpe & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 244,701. Registered July 24, 1928. Anton E. Jacobson, doing business as Gilt Edge Packing Co., San Francisco, Calif. Republished by Lady's Choice Foods, Los Angeles, Calif., a corporation of California.



The words "Bleach-It" and "Makes White" are disclaimed apart from the mark as shown. The drawing is lined for orange.

For Bleaching Water.

Claims use since Nov. 7, 1925.

Reg. No. 277,929. Registered Dec. 2, 1930. Odorless Disinfectants, Inc., New York, N. Y. Republished by E. Walter Wetzel, Pittsburgh, Pa.

Nuzōn

For Liquid Disinfectant Deodorizer Used for General Disinfecting, Removal of Organic Odors, Insect Bites, Sunburn, Poison Ivy, Itch, Ringworm, Bedbugs, Body Lice, and Fleas.

Claims use since June 1930.

Reg. No. 300,570. Registered Jan. 24, 1933. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



For Medicinal Garlic Preparations, Ergot Preparations, Hypnotics, Analgesics, Cardiodiuretic Preparations of Squills and of Digitalis, Local Anesthetics for External Application and for Injection; Medicinal Calcium Preparations for Oral, Intramuscular, and Intravenous Use; for Medicinal Belladonna Preparations, for Medicinal Preparations Adapted for the Treatment of Flatulence, Diarrhea, Symptoms of Distress in Arteriosclerosis, Convulsions, Spasms, Pain, Tetany, Dermatoses, Hemorrhage, Acute and Chronic Infections, Hepatobiliary Disturbances, Postpartum Atony and Hemorrhage in Childbirth, Milk Fever in Cattle; Pregnancy Toxemias in Cows, Sheep, Dogs; for Aniline Dyes and Chemicals Adapted for Dyeing, Bleaching, Finishing, Textile Printing, and Treatment of Textile Fabrics and Fibers.

Claims use since 1890.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 397,306. Registered Sept. 1, 1942. Reliance Devices Company, Inc., New York, N. Y. Republished by Swivelier Company, Inc., New York, N. Y., a corporation of New York.

"SWIVELIER"

For Swivel Attachment for Adjustable Advertising Display, Swivel Attachments for Tripods, Swivel Attachment for Book Supports, and Swivel Attachment for Mirrors.
Claims use since Sept. 15, 1940.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 435,287. Registered Dec. 16, 1947. Fleming-Hall Tobacco Co., Inc., New York, N. Y., a corporation of Delaware. Republished by registrant.

IGLOO

For Cigarettes.
Claims use since Dec. 10, 1946.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 277,929. Registered Dec. 2, 1930. Odorless Disinfectants, Inc., New York, N. Y. Republished by E. Walter Wetzel, Pittsburgh, Pa.

Nuzon

For Liquid Disinfectant Deodorizer Used for General Disinfecting, Removal of Organic Odors, Insect Bites, Sunburn, Poison Ivy, Itch, Ringworm, Bedbugs, Body Lice, and Fleas.
Claims use since June 1930.

Reg. No. 300,570. Registered Jan. 24, 1933. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SANDOZ

For Medicinal Garlic Preparations, Ergot Preparations, Hypnotics, Analgesics, Cardiodiuretic Preparations of Squills and of Digitalis, Local Anesthetics for External Application and for Injection; Medicinal Calcium Preparations for Oral, Intramuscular, and Intravenous Use; for Medicinal Belladonna Preparations, for Medicinal Preparations Adapted for the Treatment of Flatulence, Diarrhea; Symptoms of Distress in Arteriosclerosis, Convulsions, Spasms, Pain, Tetany, Dermatoses, Hemorrhage, Acute and Chronic Infections, Hepatobiliary Disturbances, Postpartum Atony and Hemorrhage in Childbirth, Milk Fever in Cattle; Pregnancy Toxemias in Cows, Sheep, Dogs; for Aniline Dyes and Chemicals Adapted for Dyeing, Bleaching, Finishing, Textile Printing and Treatment of Textile Fabrics and Fibers.
Claims use since 1890.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 444,250. Registered Sept. 26, 1950. Superior Sleeprite Corporation, Chicago, Ill., a corporation of Illinois. Republished by registrant.

LEVEL-REST

The word "Rest" is disclaimed apart from the mark as shown.
For Mattresses.
Claims use since Jan. 3, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 246,868. Registered Sept. 18, 1928. Time, Incorporated, New York, N. Y., a corporation of New York. Republished by registrant.

TIME
The Weekly Newsmagazine

The words "The Weekly Newsmagazine" are disclaimed apart from the mark as shown.
For Weekly Magazine.
Claims use since Dec. 6, 1926.

CLASS 39

CLOTHING

Reg. No. 112,029. Registered Apr. 15, 1916. Siegfried-Maltz Pants Manufacturing Company, St. Louis, Mo. Republished by Paramount Manufacturing Co., Inc., St. Louis, Mo., a corporation of Missouri.

Paramount PANTS

The word "Pants" is disclaimed apart from the mark as shown.
For Pants or Trousers.
Claims use since May 1, 1916.

Reg. No. 279,628. Registered Jan. 20, 1931. G. Fox & Co. Inc., Hartford, Conn., a corporation of Connecticut. Republished by registrant.

Gloria

For Gloves Made of Silk, Cotton, Leather, and Combinations of These Materials; Ties, Scarfs; Riding Suits and Riding Breeches for Men, Women, and Children; Riding Boots Made of Leather and Hides; Shoes Made of Leather, Hides, Rubber, or Fabric or Combinations of These Materials; Slippers Made of Felt, Satin, Silk, Leather, Fabric, or of Combinations of These Materials; Corsets, Negligees, and Pajamas.
Claims use since Jan. 1, 1930.

Reg. No. 280,533. Registered Feb. 17, 1931. Mendenhall-Graham Company, Duluth, Minn., a corporation of Delaware. Republished by registrant.

ZENITH

For Mackinaw Coats, Sport Coats; Stag Coats—i. e. Woolen Outer Jackets Used Largely for Work Purposes; Blazers, Pants, Shirts, Leather and Cotton Gloves, Mittens, Hosiery, Sweaters, Underwear for Men and Children, Bathing Suits, Overalls, Overall Jackets, Coveralls, and Suspenders.
Claims use since about May 1, 1930.

Reg. No. 399,351. Registered Dec. 29, 1942. The Shirtcraft Company, Inc., Baltimore, Md., a corporation of New York. Republished by registrant, present address New York, N. Y.

SHIRTCRAFT

For Women's Dickeys.
Claims use since on or about July 10, 1942.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 245,690. Registered Aug. 21, 1928. Italian Food Products Company, Inc., Long Beach, Calif. Republished by West Coast Packing Corporation, Long Beach, Calif., a corporation of California.

MAR GROSSO

For Canned Fish—Namely, Canned Tonno.
Claims use since January 1926.

Reg. No. 247,580. Registered Oct. 2, 1928. California Bleaching Water Co., San Francisco, Calif. Republished by Lady's Choice Foods, Los Angeles, Calif., a corporation of California.

CHALLENGE

For Cottonseed Salad Oil.
Claims use since Jan. 2, 1925.

Reg. No. 247,682. Registered Oct. 2, 1928. Italian Food Products Company, Inc., Long Beach, Calif. Republished by West Coast Packing Corporation, Long Beach, Calif., a corporation of California.

LUSTER

For Canned Fish.
Claims use since May 3, 1928.

Reg. No. 247,749. Registered Oct. 2, 1928. Italian Food Products Co. Inc., Long Beach, Calif. Republished by West Coast Packing Corporation, Long Beach, Calif., a corporation of California.

CAMPANIA

For Tomato Paste.
Claims use since Aug. 18, 1923.

Reg. No. 250,060. Registered Nov. 27, 1928. Peppers Fruit Company, Los Angeles, Calif. Republished by Western Fruit Growers, Inc., Los Angeles, Calif., a corporation of California.

RED MULE

For Fresh Citrus Fruits, Fresh Deciduous Fruits, Fresh Vegetables, Fresh Grapes, Fresh Melons.
Claims use since Mar. 29, 1926.

Reg. No. 252,204. Registered Jan. 29, 1929. Church & Knowlton, Salinas, Calif. Republished by Bruce Church, Salinas, Calif.

Red Coach Inn

For Fresh Vegetables and Fresh Cantaloupes.
Claims use since Oct. 15, 1927.

REISSUES

JULY 10, 1951

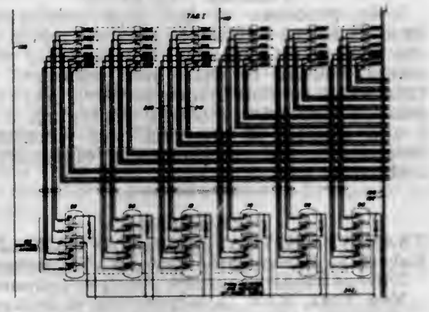
23,388

LINE IDENTIFICATION CIRCUIT FOR TELEPHONE SYSTEMS

William H. T. Holden, Woodside, and Benjamin F. Lewis, Bayside, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original No. 2,284,870, dated June 2, 1942, Serial No. 357,520, September 20, 1940. Application for reissue May 17, 1950, Serial No. 162,576

11 Claims. (Cl. 179—27)



1. A calling line identification circuit for the lines of a telephone system comprising a plurality of electronic devices having control elements connected to said lines according to their numerical designation, and means responsive to the application of a potential to the control elements connected to one of said lines for operating the associated electron devices to indicate the identity of the line.

23,389

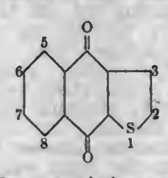
NITRO-THIOPHANTHRAQUINONES

Henry R. Lee and Viktor Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original No. 2,501,131, dated March 21, 1950, Serial No. 723,671, January 22, 1947. Application for reissue February 9, 1951, Serial No. 210,275

3 Claims. (Cl. 260—330.5)

1. The mono-nitro-thiophanthraquinones of the formula:



in which the NO_2 group is in one of the positions [5, 6, 7 and 8] *5 and 7* while the remaining positions are substituted with hydrogen.

23,390

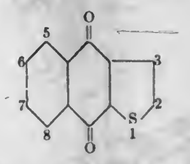
AMINO-THIOPHANTHRAQUINONES

Henry R. Lee and Viktor Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original No. 2,501,132, dated March 21, 1950, Serial No. 723,672, January 22, 1947. Application for reissue February 9, 1951, Serial No. 210,276

4 Claims. (Cl. 260—330.5)

1. The mono-amino-thiophanthraquinones of the formula:



in which the NH_2 group is in one of the positions 5, 6, 7, and 8 while the remaining positions are substituted with hydrogen.

PLANT PATENTS

GRANTED JULY 10, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,021

PEACH TREE

Henry Frank Smith, Dover, Ark., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo., a corporation of Missouri

Application March 10, 1950, Serial No. 148,888

1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree, characterized by its similarity to the variety "Fair's Beauty," while differing therefrom primarily by the earlier ripening period of its fruit, substantially as shown and described.

PATENTS

GRANTED JULY 10, 1951

2,559,578

RESINOUS COMPOSITIONS AND PROCESS OF MAKING SAME

Tzeng-Jiueq Suen, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 5, 1947, Serial No. 732,647
5 Claims. (Cl. 260—69)

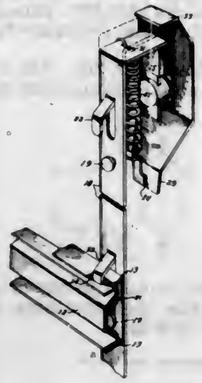
1. A process for preparing a water soluble urea resin comprising reacting urea, an aqueous solution of formaldehyde, and an alkali metal salt of sulfurous acid at reflux temperature for at least 30 minutes and at a pH varying between 8 and 9.4, adjusting the pH to a point within the range of 1–4, heating the reaction mixture again at reflux temperatures for approximately 1 hour, thereafter cooling, while maintaining a pH of 1–4, to a temperature between 25° C. and and 85° C., thereby effecting an increase in viscosity, wherein the sulfurous acid salt is present in an amount varying between 5% and 60% by weight based on the total weight of urea and wherein the urea and formaldehyde are present in a mol ratio of about 1:2–1:2.8, respectively.

2,559,579

DRAWER LOCKING MECHANISM

Charles M. Abrahamson, Aurora, Ill., assignor to All-Steel Equipment Inc., a corporation of Illinois

Application April 6, 1948, Serial No. 19,232
1 Claim. (Cl. 312—219)



In a desk or the like, a pedestal, a plurality of vertically spaced, horizontally slidable drawers mounted within the pedestal, each of said drawers having a forwardly facing shoulder projecting laterally from the drawer toward one side of the pedestal, a vertically movable latch bar adjacent said shoulders and slidably supported on the pedestal between said drawers and the adjacent portion of the pedestal, said latch bar being movable between an upper unlatched portion in which all drawers are free to move in and out of the pedestal to a lower latching position, means for biasing the latch bar to its lower position, a lock bolt engageable with the latch bar and adapted to positively lift the latch bar to its raised unlatched position, lugs carried by the latch bar for cooperation with said shoulders and adapted to latch said drawers against opening when all drawers have been closed, said lugs and shoulders also cooperating to permit all drawers to be closed after support of the latch bar in its raised position has been removed by retraction of the lock bolt.

2,559,580

STABILIZATION OF AQUEOUS AMINE SOLUTIONS AGAINST OXIDATION AND CORROSION IN GAS SEPARATION PROCESSES

Bruce T. Alexander, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware

No Drawing. Application January 30, 1947, Serial No. 725,278
9 Claims. (Cl. 23—2)

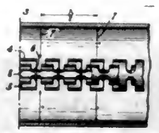
1. In processes of the type employing an aqueous amine solution to separate mixed gases, the method of reducing the tendency of the amine solution to enter into undesired reactions which consists in incorporating in the amine solution stabilizing material containing Cu and I and capable of ensuring the simultaneous presence in the reaction cycle of copper ions and iodine ions.

2,559,581

TRANSVERSE TRAVELING WAVE AMPLIFIER

Robert S. Bailey, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application February 4, 1948, Serial No. 6,284
6 Claims. (Cl. 315—39)



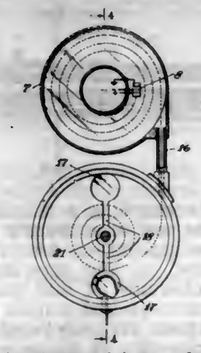
1. A transverse traveling wave amplifier comprising means defining an electromagnetic wave path and a cathode comprising a plurality of emissive elements mounted adjacent said path to project electrons transversely across said path, an electron focusing means to render said amplifier unidirectional comprising a control electrode mounted between said cathode and said path and provided with apertures and means connected to said control electrode for applying a direct current potential thereto to attract electrons from said cathode, each emissive element of said cathode being disposed in offset relation with respect to an adjacent aperture and said control electrode being coupled to said wave path for applying a portion of said electromagnetic wave between said cathode and said control electrode to deflect electrons through said apertures during one half cycle of the wave.

2,559,582

MICROWAVE GENERATOR

Robert S. Bailey, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 10, 1948, Serial No. 20,321
8 Claims. (Cl. 250—27.5)



1. A resonator comprising a body containing an electron interaction chamber having a given axis, a plurality of cavity resonators and ducts providing communication between said interaction chamber and each of said cavity resonators, means adjacent said body for producing lines of magnetic flux through said interaction chamber parallel to said given axis, an electron accelerator disposed exteriorly of said interaction chamber for accelerating electrons to high velocity, and means defining a duct interconnecting said accelerator and said chamber to guide accelerated electrons from said accelerator into said interaction chamber in a plane substantially normal to said axis.

2,559,583

SOLID COMPOSITIONS CONTAINING POLYOXYETHYLENE ESTERS

George E. Barker, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 23, 1948, Serial No. 4,080
19 Claims. (Cl. 252—152)

1. A composition consisting essentially of the solid concretion product of urea and at least one normally liquid to soft waxy polyoxyethylene ester selected from the group consisting of: (*a*) polyoxyethylene esters of 12 to 15 carbon atom aliphatic carboxylic acids wherein the esters contain at least 5 oxyethylene groups per acid radical, (*b*) polyoxyethylene esters of 16 to 30 carbon atom aliphatic carboxy acids wherein the esters contain at least 2 oxyethylene groups per acid radical, and (c) polyoxyethylene esters of rosin acids wherein the esters contain at least 2 oxyethylene groups per acid radical; said solid concretion product containing at least 10 per cent by weight of said polyoxyethylene ester.

2,559,584

SOLID COMPOSITIONS CONTAINING POLYOXYETHYLENE ALIPHATIC AMINES AND AMIDES

George E. Barker, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 23, 1948, Serial No. 4,081
17 Claims. (Cl. 252—152)

1. A composition consisting essentially of the solid concretion product of urea and at least one normally liquid to soft waxy polyoxyethylene compound selected from the group consisting of polyoxyethylene aliphatic amines containing from 16 to 30 carbon atoms in the aliphatic group and containing at least 2 oxyethylene groups, and polyoxyethylene aliphatic amides containing from 10 to 30 carbon atoms in their acyl group and having at least 5 oxyethylene groups per mol; said solid concretion product containing at least 10 per cent by weight of said polyoxyethylene compound.

2,559,585

PREPARATION OF SULFONIC ACID COMPOUNDS

Lloyd W. Beck and Alfred R. Gilbert, United States Navy, and John K. Wolfe, Bethesda, Md.

No Drawing. Application February 20, 1946, Serial No. 649,102
5 Claims. (Cl. 260—513)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

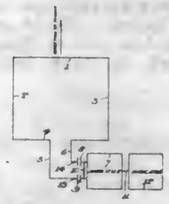
3. A method of preparing alkyl sulfonates which comprises dissolving a compound of the group consisting of the corresponding alkyl mercaptans and alkyl mercaptides in liquid nitrogen teroxide and reacting it therewith under substantially anhydrous conditions.

2,559,586

INSTRUMENT FOR AND METHOD OF GEOPHYSICAL EXPLORATION

Bjarni S. Bjarnason, Toronto, Ontario, Canada, assignor to Hans T. F. Lundberg, Toronto, Ontario, Canada

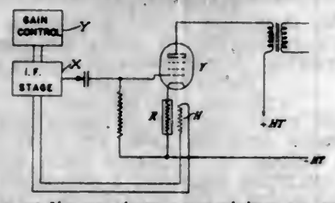
Application December 5, 1946, Serial No. 714,206
6 Claims. (Cl. 175—183)



1. In combination with a maneuverable aircraft, an instrument designed for geophysical exploration therefrom, said instrument comprising, a loop composed of material sensitive to magnetic effects and having a plurality of substantially parallel portions which are spaced from each other so that electromotive forces of measurable difference can be generated in said portions when the loop is moved through a magnetic field in a direction substantially at right angles to the longitudinal axes of said portions, and output take-off means connected to one of said portions for detecting differences in said electromotive forces generated in said portions when the loop is moved as above set forth, said loop being positioned on the craft with said substantially parallel portions extending substantially at right angles to the longitudinal axis of the craft and the portion of the

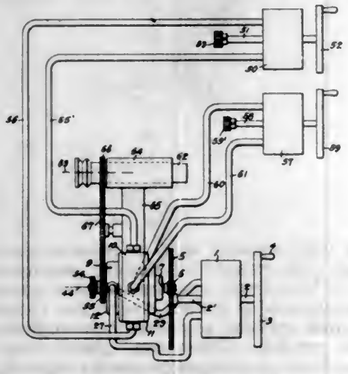
loop to which the output take-off means is connected being nearer the rear end of the craft than the other said portion of the loop.

2,559,587
AUTOMATIC GAIN CONTROL CIRCUIT
Donald Harrison Black, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 20, 1947, Serial No. 749,326
In Great Britain October 24, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires October 24, 1959
2 Claims. (Cl. 179—171)



1. In a radio receiver comprising an amplifying stage, means for automatically controlling the gain of said stage an amplifier coupled to the output of said stage and provided with gain-controlling negative feedback, the feedback path including a resistance having a substantial negative temperature coefficient of resistance connected in series in the cathode lead of the amplifier and means for varying the temperature of said resistance in accordance with the gain of said stage to vary the amount of feedback in a sense tending to maintain constant the output volume level of the receiver.

2,559,588
TRACKING SYSTEM AND VALVE THEREFOR
Emanuel A. Blumenthal, Atlantic Beach, N. Y.
Application July 13, 1946, Serial No. 683,375
20 Claims. (Cl. 33—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



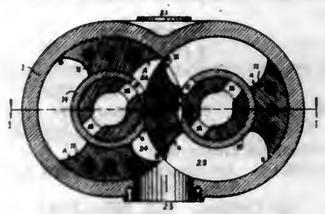
1. The herein described method of controlling a pair of hydraulic motors operable to move an object in two angularly-related directions respectively, comprising, applying discrete pulses of fluid flow, rapidly and successively to said motors to operate the same, inversely varying the time period of alternate pulses to vary the ratio of the integrated speeds of said motors, and varying the applied fluid pressure to correspondingly vary the absolute values of said speeds.

2,559,589
FUEL AND AIR DIFFUSER BURNER
Ralph C. Brierly, Narberth, Pa.
Application December 19, 1947, Serial No. 792,829
4 Claims. (Cl. 158—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A diffuser comprising a plurality of nested conduits each having an outwardly flared mouth and an upstanding lip, a first frusto-conical annulus mounted on and diverging from the mouth of the innermost of said conduits, a first plurality of frusto-conical annuli mounted on and converging from the peripheral edges of said lips, a second plurality of frusto-conical annuli subdividing the passages defined by said first plurality of annuli, the minor diameters of said first and second plurality of annuli being greater than the major diameter of said first annulus, the peripheral edges of said first and second plurality of annuli defining a diverging frustum.

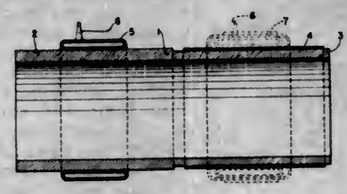
2,559,590
ROTARY FLUID MECHANISM
Arthur E. Brown, Salt Lake City, Utah
Application February 3, 1948, Serial No. 6,002
6 Claims. (Cl. 230—141)



1. In a rotor for a rotary mechanism adapted for use with a working fluid, a shaft, a flange rigidly attached to said shaft, said flange having a plane surface perpendicular to the axis of said shaft, a piston rigidly attached to said flange, said piston having a convex conical surface and a concave conical surface, said conical surfaces having the same axis as said shaft, said flange and said piston being located at different axial positions along said shaft such that a radial space is located between said shaft and said piston, said shaft having an axial aperture for passage of the working fluid, a port passing from the exterior of said shaft through the shell of said shaft into said axial aperture of said shaft, and said port being provided for passage of the working fluid.

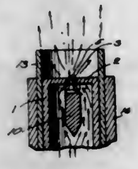
2,559,591
METHOD FOR MAKING SAFETY TUBES
Clement J. Burkley, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application July 30, 1948, Serial No. 41,611
13 Claims. (Cl. 154—14)

9. That method of building safety tubes adapted for use with pneumatic tires which includes the steps of making an endless, flat, unvulcanized rubber band, building an endless, fabric-reenforced carcass tube of unvulcanized rubber in concentric axially spaced relation to said band,



sliding the carcass tube laterally over the band to a position substantially centrally thereof, folding the edges of the band over the carcass tube and securing the edges of the band to the tube, and vulcanizing the assembly.

2,559,592
VAPOR OR FOG NOZZLE
Leslie M. Button, Moreno, Perrin G. Trowbridge, Colton, and John J. Schrink, Beaumont, Calif.
Application February 21, 1947, Serial No. 730,158
3 Claims. (Cl. 299—130)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A vaporizing nozzle comprising a tubular body portion, a plate closing the outer end of the body portion and provided with an exit slot, a fixed partition of substantial thickness spaced below said plate, said partition extending longitudinally of the tubular body portion and having a width corresponding to the diameter of said body portion and in substantially the vertical plane of said slot, whereby a stream of fluid passing through the nozzle will be divided into two streams and guided into head-on contact prior to passing through the exit slot.

2,559,593
METHOD OF TREATING RAW CASHEW NUT SHELL LIQUID
Solomon Caplan, New York, N. Y., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application January 27, 1948, Serial No. 4,695
2 Claims. (Cl. 260—521)

1. The method for removing from raw cashew nut shell liquid nitrogenous and mineral components normally present therein comprising mixing said cashew nut shell liquid with an aqueous solution of an acidic agent the ionization constant of said agent being at least

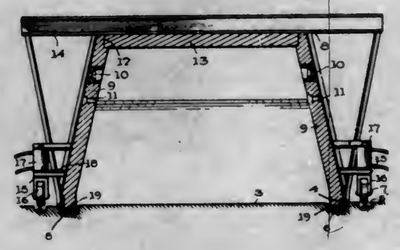
$$1.75\times10^{-5}$$

the ratio by weight of said acidic agent to said cashew nut shell liquid of said mix being the chemical equivalent of at least .2 part of H_2SO_4 to 100, the ratio by weight of the quantity of water in said solution to the quantity of said cashew nut shell liquid being at least 10–100, the concentration of said acidic agent in said aqueous solution being below that necessary to increase the viscosity of the cashew nut shell liquid at 25° C. when maintained at 200° F. for 3 hours and then removing from said mass cashew nut shell liquid whose viscosity at 25° C. is no greater than that of said raw cashew nut shell liquid at the same temperature.

2,559,594
DISTILLATION OF ACID-TREATED CASHEW NUT SHELL LIQUID
Solomon Caplan, New York, N. Y., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application January 27, 1948, Serial No. 4,713
3 Claims. (Cl. 202—10)

1. The method comprising distilling treated cashew nut shell liquid substantially free of nitrogenous and mineral components normally present in raw cashew nut shell liquid and whose viscosity at 25° C. is no greater than that of the raw cashew nut shell liquid, said distillation carried out under reduced pressure and at elevated temperature and collecting phenolic constituent having an unsaturated hydrocarbon substituent of 15 carbon atoms; said treated cashew nut shell liquid produced by removing from raw cashew nut shell liquid nitrogenous and mineral components normally present therein by mixing said raw cashew nut shell liquid with an aqueous solution of an acidic agent, the ionization constant of said agent being at least 1.75×10^{-5}, the ratio by weight of said acidic agent to said cashew nut shell liquid of said mix being the chemical equivalent of at least 0.2 part of H_2SO_4 to 100, the ratio by weight of the quantity of water in said solution to the quantity of said cashew nut shell liquid being at least 10–100, the concentration of said acidic agent in said solution being below that necessary to increase the viscosity of the cashew nut shell liquid at 25° C. when maintained at 200° F. for 3 hours, and then removing from said mass said treated cashew nut shell liquid whose viscosity at 25° C. is no greater than that of said raw cashew nut shell liquid at the same temperature.

2,559,595
KILN FOR BRICKS
John R. Clark, Silver Spring, Md., assignor of one-half to Thomas Somerville, III, Kenwood, Md., trustee
Application November 6, 1945, Serial No. 627,008
6 Claims. (Cl. 25—132)



1. An improvement in brick kilns comprising a kiln floor, hood and partition, the hood being movably mounted on the floor, and means engaged with the hood for elevating the latter from the floor independently of said partition.

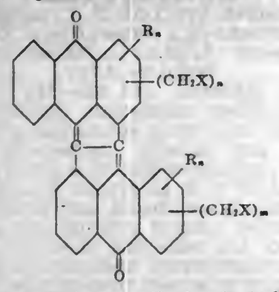
2,559,596

HALOMETHYL DERIVATIVES OF ACEDIANTHRONES AND METHOD OF PREPARING THE SAME

Samuel Coffey, David Alexander Whyte Fairweather, Frank Lodge, and James Wardleworth, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 13, 1947, Serial No. 747,834. In Great Britain May 20, 1946
9 Claims. (Cl. 260—351)

1. New compounds of the formula:



wherein: (*a*) R is a radical selected from the group consisting of chloro, bromo, amino and methyl; (*b*) X is a radical selected from the group consisting of chloro and bromo; (c) *m* is a positive integer; and (*d*) *n* is an integer from the group consisting of zero and positive integers.

2,559,597

HALOMETHYL DERIVATIVES OF DIBENZANTHRONE, ISODIBENZANTHRONE AND CHLORODIBENZANTHRONE, AND METHOD OF PREPARING THE SAME

Samuel Coffey, Frank Lodge, and James Wardleworth, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 20, 1947, Serial No. 749,363. In Great Britain May 27, 1946
9 Claims. (Cl. 260—356)

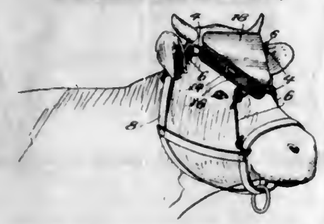
1. New compounds selected from the group consisting of chloromethyl substituted and bromomethyl substituted aromatic compounds from the group consisting of dibenzanthrone, isodibenzanthrone and chlorodibenzanthrone.

2,559,598

HALTER WEAPON FOR CATTLE

Homer C. Cook, Spokane, Mo.

Application June 22, 1948, Serial No. 34,429
1 Claim. (Cl. 119—108)



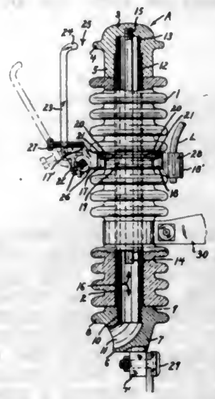
In a device of the class described, a first plate, a plurality of wire loops secured to said first plate, means secured to said loops for connecting said plate to a halter so that said plate rests on the forehead of an animal, there being a plurality of spaced openings in said first plate, a plurality of tubes secured to said first plate and registering with the openings therein, a second plate arranged in spaced parallel relation with respect to said first plate and mounted for movement towards and away from the latter, a plurality of pins carried by said second plate and projecting through said tubes, said pins being mounted for movement through said openings to prick the forehead of the animal when the second plate is moved toward the first plate, a coil spring circumposed on each of said tubes for normally urging said pins out of engagement with the animal, and means for limiting movement of said second plate away from said first plate, said means comprising alternately spaced brackets mounted on the inner surfaces of the plates and extending toward each other and a yoke passing through said brackets and having the ends thereof engaging the rear surface of said first plate.

2,559,599

ELECTRICAL SURGE ARRESTER

Lindell Lloyd Crump, Kirkwood, and Charles Adin Fox, Oakland Village, Mo., assignors to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application June 7, 1947, Serial No. 753,314
5 Claims. (Cl. 175—30)



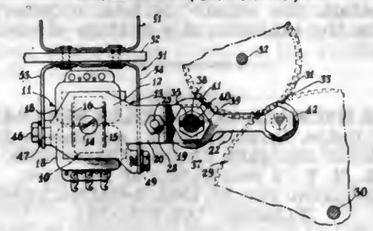
1. An electrical surge arrester comprising a hollow insulator, a member formed of electrical conductive material supported by said insulator at an end thereof, a structure supported by said insulator and provided with means for connecting a line wire to said structure, an arm movably supported by said structure and having a portion thereof spaced from a portion of said member to provide an external air gap therebetween, a second member formed of electrical conductive material which is supported by said insulator in spaced relation with respect to the first-mentioned member at the opposite end thereof, means for connecting a ground wire to said second member, and an electrode connected to the first-mentioned member and disposed within said insulator in a manner to provide an internal arc gap within said insulator between a portion of said electrode and said second member, said arm and said electrode being so arranged in the surge arrester structure that current passes along the arm in one direction and along the electrode in the opposite direction whereby opposing magnetic fields are set up which tend to move the arm to an outwardly displaced position with respect to said member so as to increase the gap between said arm and said member.

2,559,600

COUPLING DEVICE

Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application September 13, 1946, Serial No. 696,794
5 Claims. (Cl. 192—4)



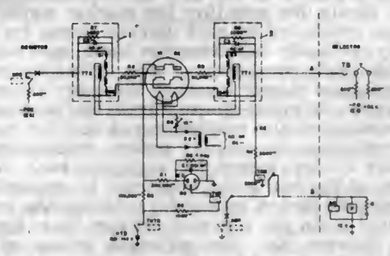
1. Coupling device comprising in combination, a driving gear, a driven flexible gear normally in operative engagement with said driving gear, and means for selectively deflecting said flexible gear out of engagement with said driving gear and preventing rotation of said flexible gear during such deflection comprising an electromagnet, a frame member supporting said electromagnet, a fulcrum member extending from said frame member, a rounded head for said fulcrum member, an armature for said electromagnet, a rounded socket in said armature for receiving said rounded head of said fulcrum member to pivot thereon, a brake member fixed with respect to said frame member, and having a braking surface in spaced juxtaposed position with respect to said flexible gear, a second brake member mounted on said armature and disposed on the opposite side of said flexible gear with respect to said first brake member and having a brake surface complementary to the brake surface of said first brake member, means attached to said armature and adapted to bias said armature with respect to said frame about said fulcrum in such a direction as to force the brake surface of the second brake member toward said brake surface of said first brake member thereby forcing the flexible gear out of engagement with the driving gear and clamping the flexible gear between the braking surfaces to prevent rotation thereof, and circuit means associated with said electromagnet for energizing said magnet to attract said armature to overcome said bias and to permit the flexible gear to return to engaging position with respect to said driving gear.

2,559,601

AUTOMATIC SELECTOR CONTROL SYSTEM

Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application November 13, 1946, Serial No. 709,539
27 Claims. (Cl. 179—18)



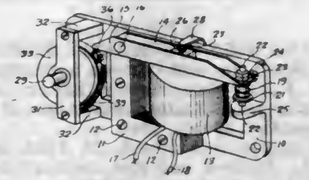
1. In a switching system, a multi-electrode discharge device, sources of different potentials, a first circuit for applying a predetermined source of potential to one electrode of the device, a switch having a wiper and a plurality of cooperating contacts, means for connecting said sources with said contacts, a magnet for controlling the wiper of said switch, a second circuit for connecting said wiper of said switch with another electrode of said device, a first relay operated when the potentials applied to said device by the first and second circuits bear a predetermined relationship to one another, a second relay having its winding connected with said second circuit and responsive to a certain potential, and a circuit for said magnet controlled by both said relays.

2,559,602

VIBRATORY MOTOR

Stephen A. Denman, Piqua, Ohio, assignor to Piqua Engineering, Inc., Piqua, Ohio, a corporation of Ohio

Application January 21, 1948, Serial No. 3,589
9 Claims. (Cl. 172—126)



1. An electric motor, comprising a coil, a stator, an armature movable in forward and reverse directions relatively to said coil and said stator in response to the energizing and deenergizing of said coil, a rotor and an inherently resilient spring freely coiled on said rotor one end only of the spring being connected to said armature, said spring tightening on said rotor and turning said rotor during motion of the armature in one direction and loosening and sliding on said rotor during motion of the armature in the opposite direction.

2,559,603

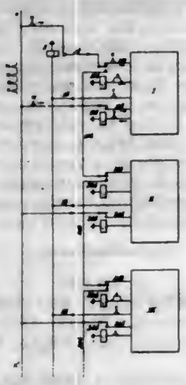
ELECTRICAL PULSE TRAIN SELECTING SYSTEM

Boris Derjavitch, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application January 20, 1948, Serial No. 3,253
In France October 5, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 5, 1966
8 Claims. (Cl. 179—15)

1. An impulse communication system comprising a first circuit adapted to carry trains of time spaced pulses, each train being spaced in time from the other trains and representing a discrete signal, a group of second circuits associated with said first circuit, means for establishing and maintaining a connection between said first circuit and a free one of said second circuits at times corresponding to a particular train of pulses, said means comprising a special circuit normally connected to said first circuit, means in said special circuit responsive to the first pulse of said train for seizing said free second circuit, and another circuit controlled by said special circuit connected to and for receiving the following and recurring pulses of said train, said other circuit comprising means for preventing

said special circuit from receiving said following and recurring pulses over the normal connection



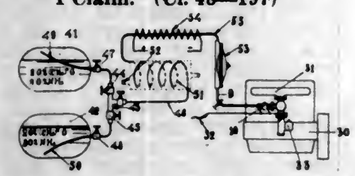
to said first circuit and for thereafter controlling said special circuit.

2,559,604
ELECTRON DISCHARGE DEVICE
John S. Donal, Jr., and Carmen L. Cuccia, Princeton, N. J., and Barremore B. Brown, Lancaster, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Original application March 29, 1944, Serial No. 528,538. Divided and this application November 10, 1947, Serial No. 785,062
8 Claims. (Cl. 250—27.5)



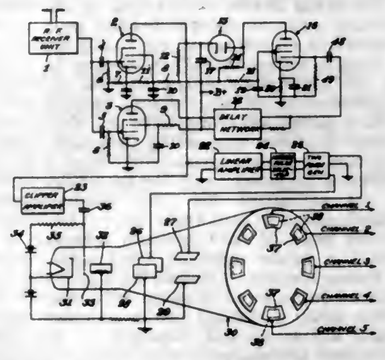
1. An electron discharge device including an anode block having a central space and a plurality of radially directed slots extending outwardly from said central space and providing anode segments between adjacent slots, and a ring of conducting material having legs extending inwardly therefrom to said central space and contacting alternate anode segments, the inner ends of said legs forming continuations of the wall of said central space at said alternate segments.

2,559,605
FUEL MIXTURE FOR INTERNAL-COMBUSTION ENGINES
Eugene Justin Drouilly, Paris, France; vested in the Attorney General of the United States
Application June 6, 1945, Serial No. 597,948
In France January 23, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires January 23, 1961
1 Claim. (Cl. 48—197)



A fuel for internal combustion engines, comprising ammonia which ensures practically the total amount of calorific energy of the fuel and additional gas belonging to the group of methyl ether and amines, this additional gas being used in a proportion of about 20% in weight, said latter gas having the following feature: A specific gravity which is higher than 0.1 with reference to air and capable of supplying by its application, the amount of heat necessary for priming the explosion of a mixture of ammonia and air.

2,559,606
PULSE WIDENER AND MARKER SEPARATOR
Lester Dubin, Brooklyn, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 21, 1948, Serial No. 39,967
2 Claims. (Cl. 179—15)



1. A receiver for multi-channel pulse trains in which individual trains of signal pulses, the pulses of each train being time displacement modulated according to signals in different channels, are interleaved in the form of a single multi-channel train with marker signals inserted at regular intervals in said multi-channel train, comprising means for receiving said multi-channel trains, means for widening each of the pulses of said train while maintaining the time displacement modulation thereof, a cathode ray tube channel distributor and demodulator of the type in which the signal pulses are applied to the grid thereof to key the beam and in which the beam is cyclically deflected with regular periodicity, the cross section of the beam and the target elements being so arranged that the time displacement of the pulses varies the amount of electrons striking the target elements so that the energy in the output of each of said target elements varies in accordance with the time displacement modulation, each target element providing at its output the pulses belonging to a separate channel, means for applying the widened pulses to the grid of said cathode ray tube, means for selecting the marker signal and means controlled by said marker signal for regularly cyclically deflecting the beam, said marker signals each consisting of two adjacent pulses spaced more closely together than any other two pulses in said multi-channel train and said means for separating the marker signal and the means for widening the signal pulses comprising a storage device, means for applying each of the pulses of the multi-channel train to sequentially charge said device, means for delaying the multi-channel train for a period greater than the period between the two adjacent pulses of the marker signal and less than the period between any other two pulses of the train, means for

applying the delayed pulses to each discharge said storage device whereby the periodic voltage built up on said storage device by the marker pulses of the undelayed train are greater than the corresponding voltage of the signal pulses, a threshold device coupled to said storage device having a threshold level above said corresponding voltage and below said periodic voltage whereby the marker signal is selected, and means coupling said storage device to the grid of said cathode ray tube.

2,559,607
PRODUCTION OF FURFURAL FROM PENTOSE LIQUORS
John W. Dunning, Charles F. Frye, and Elbert C. Lathrop, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 2, 1948, Serial No. 36,799
4 Claims. (Cl. 260—347)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

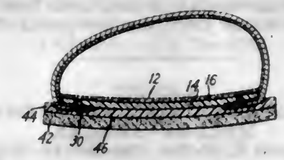
1. A process for the production of furfural which comprises heating a solution containing 1½ to 10 percent xylose and 1½ to 5 percent sulfuric acid to a temperature of 140° to 165° C. to convert the xylose to furfural, maintaining the concentration of furfural in the conversion below 0.7 percent by continuously removing aqueous xylose-acid solution from the conversion, cooling the removed solution below about 50° C., extracting the cooled solution countercurrently with toluene to remove furfural, removing the toluene-furfural solution, re-heating the effluent xylose-acid solution and recycling it to the xylose conversion heating step.

2,559,608
MULTICOLOR CARBON PAPER
Joseph R. Ehrlich, New York, N. Y.
No Drawing. Application November 26, 1948, Serial No. 62,241
5 Claims. (Cl. 282—28)

1. A carbon paper coated with an ink comprising (*a*) at least one organic dyestuff, (*b*) a water-insoluble pigment, and (*c*) a vehicle wherein the said dyestuff and the said pigment are uniformly dispersed; said dyestuff and said pigment having different and contrasting respective colors, and said dyestuff being present in quantity sufficient to cause its own color to predominate over the contrasting color of said pigment and to determine the apparent marking color of said ink; and said dyestuff being reactive with a selected aqueous reactant, said reactant changing the state of oxidation of said dyestuff and thereby causing its color to change, and said pigment being resistant to said reactant; and said vehicle being insoluble in water but penetrable by water.

2,559,609
SHOE AND METHOD FOR MAKING THE SAME
Orville N. Foust, Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 19, 1948, Serial No. 60,920
3 Claims. (Cl. 36—19.5)

1. In a shoe, an insole, an upper having a marginal portion overlasted thereon, a laminated sole member attached thereto and including an outsole lamina of wear-resistant material and a top lamina of synthetic resinous thermoplastic polymeric material, said polymeric material being micro-porous in a portion which extends into and fills the shoe bottom area defined by the overlasted marginal portion of said shoe upper, and said top lamina having a permanently compacted portion engaging said overlasted portion of the shoe upper and forming a seal for said micro-porous portion.

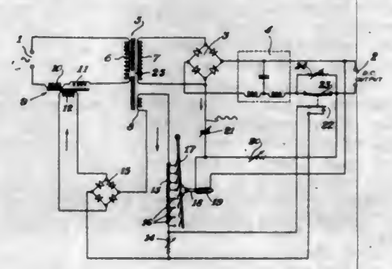


2,559,610
PLANOGRAPHIC PRINTING PLATE AND TREATMENT THEREOF
Frederick H. Frost, Portland, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application December 12, 1947, Serial No. 791,447
5 Claims. (Cl. 101—149.2)

1. Process for the production of a planographic printing plate having a hydrophilic printing surface which comprises incorporating into said surface prior to imaging a water-soluble compound capable of reacting with a water-soluble salt of a metal having a valence greater than 1 to deposit a water-insoluble compound of said metal.

5. An imaged planographic printing plate having a hydrophilic colloid printing surface, said surface containing in the imaged areas thereof only a water-soluble compound capable of reacting with a water-soluble salt of a metal having a valence greater than 1 to form an insoluble compound of said metal, and in the unimaged areas said insoluble compound of said metal.

2,559,611
POWER REGULATOR
William J. Garmany, Jr., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 15, 1948, Serial No. 54,679
6 Claims. (Cl. 323—66)



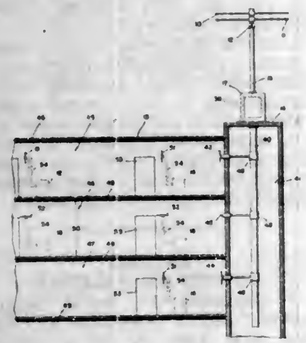
1. A circuit having a line to be regulated, a saturable core reactor, a transformer, a power rectifier and a filter serially connected in said line, auxiliary windings on the cores of said transformer and said reactor, an auxiliary rectifier and variable resistance elements connected between said windings, a solenoid winding, and an armature controlled by said solenoid winding to vary said resistance elements, said solenoid winding being connected across the output of said fil-

ter to receive a major direct current voltage therefrom, and said solenoid winding also being coupled, capacitively, to a point of pulsating minor voltage in one of said rectifiers whereby continuous minor vibratory motion of the armature results.

2,559,612
METHOD OF STABILIZING THE FOAM OF MALT BEVERAGES
Harold H. Geller, Milwaukee, Wis.
No Drawing. Application November 5, 1949, Serial No. 125,841
4 Claims. (Cl. 99—48)

1. The method of stabilizing the foam of normally foam forming malt beverages, which comprises removing by extraction with an organic solvent from the substantially neutralized product of the reaction of 1,2-propylene oxide and alginic acid the by-products which adversely affect foam stability in malt beverages, and then adding the resulting product to the beverage.

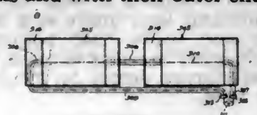
2,559,613
TELEVISION DISTRIBUTION SYSTEM
William S. Halstead, Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application March 4, 1946, Serial No. 651,887
6 Claims. (Cl. 250—15)



1. In a building having a plurality of floors, a system for distributing modulated carrier waves comprising master receiving antennae for individually intercepting each of said carrier waves, a transmitting antenna for each of said floors, means including a transmission line for interconnecting said master antennae with each of said transmitting antennae, thereby to radiate the carrier waves intercepted by said master antennae simultaneously along each of said floors, groups of receivers, each group being located on one of said floors, a receiving antenna for each of said receivers and wave guides comprising the hall structure of said building extending between each transmitting antenna and each group of receivers.

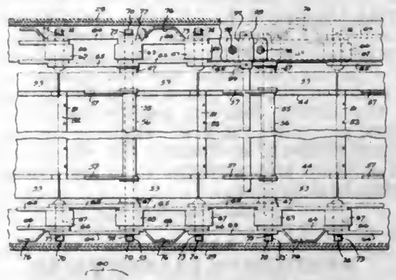
2,559,614
APPARATUS FOR CONDITIONING, CLEANING, AND CIRCULATING COOLING LIQUIDS
Henry W. Hapman, Detroit, Mich., assignor of forty per cent to Hannah J. Hapman, Detroit, Mich.
Application October 12, 1944, Serial No. 558,424
3 Claims. (Cl. 210—55)

1. In a liquid separation and purification system, a plurality of liquid collection and deposit tanks arranged side by side, sediment troughs formed in said tanks, a conveyor conduit connecting the adjacent ends of said tanks and arranged in alignment with said sediment troughs, conveyor conduits connected to the remote ends of said tanks and with their outer ends extending



to a common location outside said tanks, an endless flight conveyor arranged in said conveyor conduits to traverse the sediment trough of said tanks, and a conveyor driving wheel mounted at said common location and drivingly engaging said flight conveyor.

2,559,615
CONVEYER BUCKET
Henry W. Hapman, Detroit, Mich., assignor, by mesne assignments, of forty per cent to Hannah J. Hapman, Detroit, Mich.
Application December 29, 1945, Serial No. 638,138
4 Claims. (Cl. 198—148)

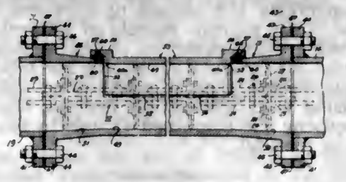


1. A conveyor bucket unit for mounting between spaced parallel endless conveyor chains, said unit comprising a pair of spaced end members, a trough-shaped sheet member secured at its opposite ends to said end members, a supporting rod extending between and through said end members and pivotally engaging said end members, the opposite ends of said supporting rod being adapted to be connected to said conveyor chains, a spacing and protecting sleeve surrounding said supporting rod and extending between said end members, and a tie rod extending between and interconnecting said end members, said tie rod being disposed below said supporting rod and arranged parallel thereto.

2,559,616
PRESSURE-SEALING APPARATUS FOR FLIGHT CONVEYERS
Henry W. Hapman, Detroit, Mich., assignor of forty per cent to Hannah Jane Hapman, Detroit, Mich.
Application July 2, 1949, Serial No. 102,811
10 Claims. (Cl. 198—168)

1. A pressure-sealing apparatus for flight conveyors with substantially circular disc flights comprising a tubular casing adapted to be installed in the conveyor conduit and having a bore therethrough with a substantially straight cylindrical central portion of substantially constant diameter and a flared end portion converging toward said central portion, said casing having an opening in the wall thereof, a closure member for said

opening configured to fit the flights of said flight conveyor, and a resilient element yieldingly urg-

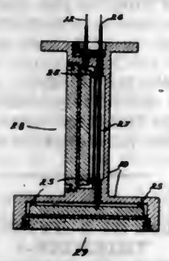


ing said closure member into closing relationship with said opening and also into sealing engagement with the peripheries of said conveyor flights.

2,559,617
MANUFACTURE OF MELAMINE
Raymond H. Hartigan, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application November 5, 1947, Serial No. 784,303
2 Claims. (Cl. 260—249.7)

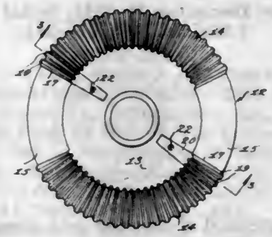
2. A process for making melamine comprising reacting anhydrous ammonia in excess with cyanuric halide at a pressure above 500 pounds per square inch, at a temperature of 100° to 250° C., the excess of ammonia being approximately 300 per cent of the stoichiometric amount of ammonia required to aminate the halide.

2,559,618
SUPERSONIC APPARATUS
Harvey C. Hayes, Washington, D. C.
Original application September 10, 1931, Serial No. 562,183, now Patent No. 2,374,637, April 24, 1945. Divided and this application February 12, 1945, Serial No. 577,398
2 Claims. (Cl. 116—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



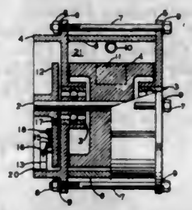
1. A supersonic signaling device comprising two sound generating surfaces, a compound casing adapted for mounting one of said surfaces in a vertical plane and the other of said surfaces in a horizontal plane, a housing chamber mounted on a ship's bottom plating, a periscope-like tube projecting through a water-tight stuffing-box in the top of the housing chamber, said casing being mounted at the lower end of said tube, said tube being movable along its axis which is substantially vertical, whereby the casing may be housed with the vertical generating surface within the housing chamber and the horizontal sound generating surface substantially even with the outlet hole through the ship's plating or may be lowered until the vertical sound generating surface is substantially below its keel, and means for rotating said compound casing through three hundred sixty degrees.

2,559,619
MECHANICAL GAP GEAR FOR TEXTILE ROVING FRAMES
Rufus J. Henderson, Dyersburg, Tenn.
Application September 9, 1949, Serial No. 114,895
2 Claims. (Cl. 74—435)



1. A gap gear for the roving frame of a textile mill comprising a frusto-conical body having spaced groups of integral teeth about the conical face thereof and extending between the end faces thereof, said body being provided with a recess extending along one end face of said body and said conical face contiguous to the leading teeth of each of said groups, a wearing element disposed within each of said recesses, and securing means extending through each of said wearing elements and receivable within said conical body for detachably securing said wearing element on said conical body, each of said wearing elements comprising a lug portion overlying said one face of said body and provided with means for the extension therethrough of said securing means, and an angular tooth section overlying said conical face and co-extensive with said leading teeth of each of said groups and forming continuations thereof.

2,559,620
AIR DRIVEN SHAKER
Jurjen S. High, deceased, late of Philadelphia, Pa., by Rie High, executrix, Philadelphia, Pa.
Application December 17, 1946, Serial No. 716,698
3 Claims. (Cl. 259—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



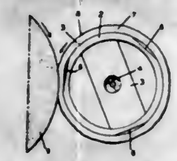
1. A pneumatically driven shaker comprising a housing and a pair of end plates defining a chamber, a first unbalanced weight mounted rotatably in said housing on a shaft journaled in said end plates, said housing having an inlet port adapted to permit air under pressure to enter said chamber tangentially to the direction of rotation of said weight, and having an outlet port, a second unbalanced weight carried on said shaft, and a spring-retarded brake-shoe mounted rotatably on said second weight, said brake-shoe being positioned to engage an annular member extending from an end plate frictionally upon rotation of said weights at a predetermined speed.

2,559,621

METHOD OF FORMING TUBULAR BODIES WITH PERIPHERAL PROJECTIONS

Ralph M. Hill, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application December 21, 1949, Serial No. 134,276
7 Claims. (Cl. 51—281)



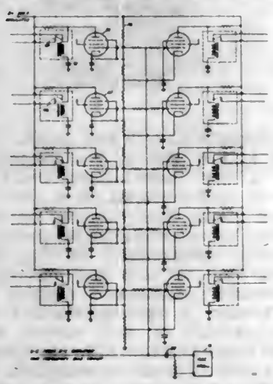
1. In a method of forming by a simple grinding operation a generally cylindrical tubular body of yieldable material such as rubber stock for severance into ring gaskets and the like having a generally circular outer periphery with one or more curved projections extending from the periphery, the steps comprising disposing a generally cylindrical tubular body of said yieldable material having a generally circular inner periphery over a generally cylindrical mandrel having a generally circular outer periphery and having at least one inwardly directed recess in the outer periphery thereof extending generally longitudinally of the mandrel and into which said yieldable material is distortable, distortion of said body of yieldable material into said recess in said mandrel changing the shape of both the outer and inner surfaces of said body, pressing said body between a rotating grinding wheel and said recessed mandrel and while said body is under elastic deformation in said recessed area of said mandrel abrading less material from the body in the distorted area of the outer periphery thereof than the remainder of the body to form a generally cylindrical article having a generally circular inner periphery and having one or more curved projections extending from the generally circular outer periphery thereof.

2,559,622

ELECTRICAL APPARATUS

Joseph M. Hildyard, United States Army, Arlington County, Va.

Application April 3, 1945, Serial No. 586,428
4 Claims. (Cl. 178—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



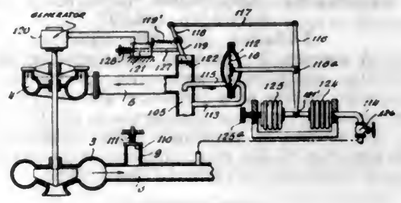
1. In an apparatus of the nature described, means for receiving signals of different frequencies, a plurality of translating devices, a control tube for each translating device, means for converting the signals of different frequencies to direct current signals of different values each value being sufficient to bias a single control tube for conduction, means for mixing said last mentioned signals with other signals for energizing said translating devices, and means for applying the combined signals to the control tubes in parallel.

2,559,623

TURBO-SUPERCHARGER SYSTEM HAVING CONTROLLED INLET AND EXHAUST WASTE GATES

Gifford I. Holmes, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application February 12, 1944, Serial No. 522,053
3 Claims. (Cl. 230—115)



1. A turbo-supercharger system comprising a blower adapted to deliver a supply of air under pressure, a first pipe connected to said blower and adapted to transport said supply of air, an exhaust gas driven turbine connected to drive said blower, a second pipe connected to said turbine and adapted to supply impelling exhaust gases to said turbine, a first normally closed gate to the atmosphere in said first pipe, a second normally closed gate to the atmosphere in said second pipe, pressure-responsive means operatively connected to said first gate to open the same when the static pressure in said first pipe exceeds a predetermined limit, and pressure-responsive means operatively connected to said second gate to open the same when the static pressure in said first pipe exceeds a predetermined limit.

2,559,624

PREPARATION OF 7-HYDROXYPHENOTHIAZONE-3

David F. Houston, El Cerrito, and Ernest B. Kester, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application August 16, 1949, Serial No. 110,661
1 Claim. (Cl. 260—243)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A process for preparing 7-hydroxyphenothiazone-3 which comprises grinding a mixture containing approximately 2 atoms of sulphur per mole of p,p'-dihydroxydiphenylamine, adding about 2% of iodine to the ground material and fusing the mixture at a temperature of about 200° C. until the evolution of hydrogen sulphide has substantially ceased, extracting the reaction mass with an aqueous solution of a moderately strong alkali, and recovering 7-hydroxyphenothiazone-3 from the alkaline extract.

2,559,625

ISOLATION OF AN ORGANIC SULFUR COMPOUND FROM ASPARAGUS

Eugene F. Jansen, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Original application April 15, 1949, Serial No. 87,823. Divided and this application April 14, 1950, Serial No. 156,034
6 Claims. (Cl. 260—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of isolating a disulphide compound contained in asparagus juice comprising extracting asparagus juice with an alcohol which is miscible with water to the extent of about 5 percent to about 20 percent, extracting the alcohol extract with aqueous alkaline solution, acidifying the resulting aqueous extract and extracting it with an organic solvent.

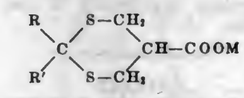
2,559,626

DITHIANE CARBOXYLIC ACIDS

Eugene F. Jansen, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Original application April 15, 1949, Serial No. 87,823. Divided and this application June 6, 1950, Serial No. 166,531
10 Claims. (Cl. 260—327)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A compound of the formula



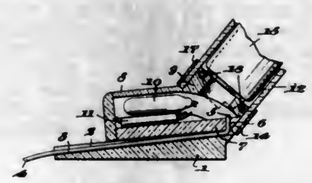
wherein R and R' are radicals selected from the group consisting of hydrogen alkyl, and phenyl and M is a cation.

2,559,627

MARK TESTER

Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application March 12, 1948, Serial No. 14,470
8 Claims. (Cl. 175—183)



1. A mark testing device comprising a base block provided with a plurality of parallel grooves, sensing wires movably supported in said grooves, one end of said wires being fixed in said block while the other end of said wires extends beyond said block in a downwardly curved direction to a point below the plane of the bottom of said block and is free to be flexed upwardly on contact with a surface to be tested when said base block engages a test surface, electric indicating means carried by said block and a source of electric current supply connected between said sensing wires and said electric indicating means, whereby said electric indicating means will be actuated when the circuit is closed by placing the sensing wires simultaneously upon a mark to be tested.

2,559,628

FLUORINE-CONTAINING ALCOHOLS AND PROCESS FOR PREPARING THE SAME

Robert M. Joyce, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1948, Serial No. 65,063. In Canada April 22, 1944
14 Claims. (Cl. 260—633)

1. The process for obtaining fluorine-containing alcohols, which comprises heating at a temperature within the range of from 100° C. to 250° C. a haloethylene having the general formula:



wherein the X substituents are halogen atoms having an atomic weight of less than 40 and at least two of said X substituents are fluorine atoms, with an alcohol which contains a non-aromatic carbon atom bearing a hydroxyl group and a hydrogen atom directly attached thereto and in which all of the non-aromatic carbon atoms are saturated, the mole ratio of said alcohol to said haloethylene being within the range of from 1:1 to 10:1, said heating being effected under a pressure within the range of from one atmosphere to 200 atmospheres and in the presence of an amount of peroxy catalyst within the range of from 0.001% to 10% of the combined weight of said haloethylene and alcohol.

6. A saturated fluorine-containing alcohol melting below 300° C. and having the formula $H(CX_2CX_2)_nROH$ where n is a positive integer from 1 to 12, the X substituents are halogen atoms having an atomic weight of less than 40 of which at least half in each CX_2CX_2 group are fluorine atoms, R is a divalent hydrocarbon radical and ROH is a monovalent radical of a non-tertiary alcohol which contains a non-aromatic carbon atom bearing the alcoholic hydroxyl group and in which all of the non-aromatic carbon atoms are saturated.

2,559,629

POLYFLUOROALKANOIC COMPOUNDS AND THEIR PREPARATION

Kenneth L. Berry, Hockessin, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 13, 1948, Serial No. 65,065
13 Claims. (Cl. 260—408)

1. A polyfluoroalkanoic compound having the formula $H(CX_2CX_2)_nCOOM$ wherein the X substituents are halogen atoms of atomic weight below 40 and at least half of the halogen atoms in each CX_2CX_2 group are fluorine, n is a positive interger from 3 to 10 inclusive and M is a member of the class consisting of hydrogen, ammonium and metal cations.

2,559,630

FLUORINATED ACYL PEROXIDES

Orville H. Bullitt, Jr., Swarthmore, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 4, 1950, Serial No. 147,756
8 Claims. (Cl. 260—610)

1. A fluorinated acyl peroxide having the formula:

$$B(CF_2)_n\text{—}C(=O)\text{—}O\text{—}O\text{—}C(=O)\text{—}(CF_2)_n\text{—}B$$

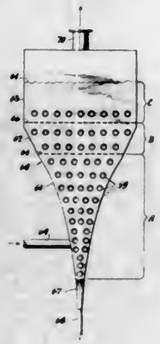
wherein B is from the group consisting of hydrogen and fluorine, and n is an integer of at least two.

2,559,631

STAGEWISE FLUIDIZING REDUCTION OF ZINC COMPOUNDS

John C. Kalbach, New York, N. Y., assignor to The American Metal Company Limited, New York, N. Y., a corporation of New York

Application August 8, 1947, Serial No. 767,548
11 Claims. (Cl. 75—26)



1. In the reduction of a solid inorganic oxygen-containing compound of zinc by a solid carbonaceous reducing agent, both said solids being in comminuted form, under fluidizing conditions for the recovery of zinc, the improvement which comprises conducting said reduction in at least two stages, and maintaining concurrent movement of the gases and solid particles of the fluidized mass from the first stage successively to the subsequent stages while preventing substantially all back-flow of said solid particles from any stage to preceding stages.

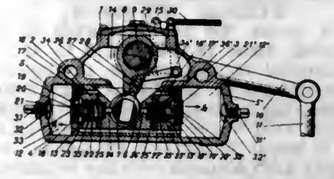
10. An improved reactor for effecting the stagewise reduction of a finely divided inorganic, oxygen-containing compound of zinc under fluidizing conditions at an elevated temperature above the boiling temperature of zinc, which comprises two spaced, flat, vertical walls and two spaced, nonplanar, upright walls, said four walls forming a tall vessel having a substantially rectangular, horizontal cross-section which increases in area in the upward direction through said vessel, an inlet duct connected to the bottom of said vessel, an outlet duct connected to the top of said vessel, a plurality of spaced heating tubes passing horizontally through said vessel and said two flat walls and being connected to said two flat walls, and means extending substantially horizontally across said vessel to provide superimposed reduction stages in said vessel.

2,559,632

HYDRAULIC DEVICE FOR DAMPING OSCILLATIONS FOR SPRING SUSPENSIONS OF VEHICLES AND THE LIKE

Maurice Katz, Neuilly-sur-Seine, France

Application August 13, 1948, Serial No. 44,054
In France December 31, 1947
21 Claims. (Cl. 188—88)



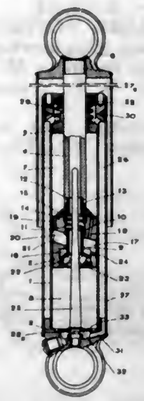
1. A hydraulic device for damping oscillations comprising a cylinder, a piston movable axially in said cylinder and dividing it into two liquid chambers, ducts providing a relatively unrestricted passage through said piston during its initial stroke from neutral position, and means for opposing return movement of said piston by a substantially constant liquid pressure the value of which is adjusted in accordance with the amplitude of said initial stroke comprising a check valve for stopping reverse flow through said passage, ducts providing a passage by-passing said check valve, a loaded valve restricting the flow in said bypass passage, means responsive to movement of said piston from neutral position for progressively increasing the valve loading in proportion to the amplitude of the initial piston stroke, and means maintaining said increased valve loading during return movement of the piston to neutral position.

2,559,633

HYDRAULIC DEVICE FOR DAMPING OSCILLATIONS FOR SPRING SUSPENSIONS OF VEHICLES AND THE LIKE

Maurice Katz, Neuilly-sur-Seine, France

Application July 28, 1949, Serial No. 107,194
In France August 5, 1948
5 Claims. (Cl. 188—88)



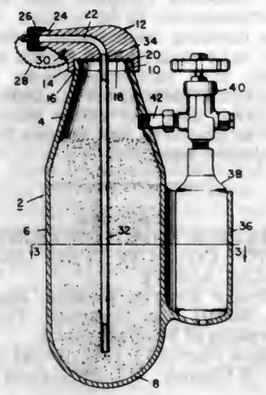
1. A hydraulic device for damping oscillations comprising a cylinder, a piston movable in said cylinder and dividing it into two liquid chambers, duct means through said piston for passage of liquid between said chambers, valve means carried by said piston for restricting the flow of liquid through said ducts and comprising a duct-obturating valve, a valve-loading device movable relative to the valve, and a loading spring interposed between said valve and device, control means for increasing the valve loading as said piston moves away from normal inoperative position comprising opposed bowl-shaped members carried by said piston, one of which is movable relative to the other for displacing said loading device, a set of balls between said members, and a rod of varying cross section which is stationary relative to said cylinder and passes through said members for displacing said balls laterally and moving said one member and said loading device by an amount corresponding to the amplitude of the piston stroke, and means for maintaining said loading device in its displaced position during the return stroke of the piston toward said normal position.

2,559,634

DRY POWDER FIRE-EXTINGUISHER APPARATUS

Michael E. Keefe, Jr., and Ida K. Keefe, Atlanta, Ga., assignors to International Chemical Extinguisher Corporation, Atlanta, Ga., a corporation of Delaware

Application September 2, 1947, Serial No. 771,576
22 Claims. (Cl. 169—31)



1. A dry powder fire-extinguisher adapted for discharge from the upper portion thereof which comprises a container for dry powder having a concave bottom with a spherical surface, a discharge nozzle connected to said container, a discharge tube in said container having an inlet at substantially the principal focus of said spherical surface and an outlet into said nozzle, and means for discharging a pressure gas into the upper portion of said container to cause discharge of dry powder and gas through said discharge tube and said nozzle.

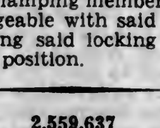
2,559,635

POLYMERS OF ALKYL α-ACYLOXYACRYLATES

William O. Kenyon, Thomas T. M. Laakso, and Cornelius C. Unruh, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 1, 1950, Serial No. 147,161
18 Claims. (Cl. 260—85.5)

1. A resinous interpolymer of an alkyl α-acyloxyacrylate selected from those represented by the following general formula:



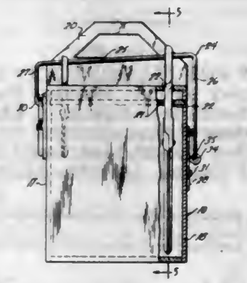
wherein R represents an alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer from 1 to 3 and R_1 represents an alkyl group of the formul C_nH_{2n+1} wherein n represents a positive integer from 1 to 4, selected from the group consisting of an interpolymer containing from 10 to 60 per cent by weight of the said alkyl α-acyloxyacrylate and from 90 to 40 per cent by weight of styrene, an interpolymer containing from 10 to 90 per cent by weight of the said alkyl α-acyloxyacrylate and from 90 to 10 per cent by weight of methyl α-methacrylate, and an interpolymer containing from 10 to 40 per cent by weight of the said alkyl α-acyloxyacrylate and from 90 to 60 per cent by weight of acrylonitrile.

2,559,636

SAFETY SCISSORS BOX

Paul W. King and Inez T. King, Falls Church, Va.

Application January 21, 1949, Serial No. 71,811
1 Claim. (Cl. 211—4)



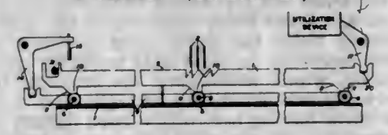
A safety scissors box comprising a closed receptacle having a top wall formed with a plurality of scissors blade receiving openings therein, a pair of plates mounted on the end walls of said receptacle for vertical sliding adjustment, a locking bar pivoted on one of said plates and overlying the handles of the scissors engaged in said openings, and a clamping member on the other of said plates engageable with said locking bar for releasably securing said locking bar in scissors handle engaging position.

2,559,637

KEYBOARD CONTROLLED TELEGRAPH APPARATUS

Alan Arthur Kirchel, Croydon, England, assignor to Creed and Company Limited, Croydon, England, a British company

Application April 1, 1949, Serial No. 84,864
In Great Britain April 5, 1948
5 Claims. (Cl. 178—17)



1. Keyboard mechanism for telegraph apparatus, comprising a set of character key levers, a

first set of combination members positioned in operative relation to said character key levers, a second set of combination members positioned out of operative relation to said character key levers, a shift key lever and means, operative upon actuation of said shift key lever for placing the second set of combination members in and removing the first set of combination members out of operative relation to said character key levers.

2,559,638

PRODUCTION OF TITANIUM DIOXIDE

Ignace Joseph Krchma, Wilmington, and Holger Heinrich Schaumann, Newark, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 25, 1947, Serial No. 763,738
9 Claims. (Cl. 23—202)

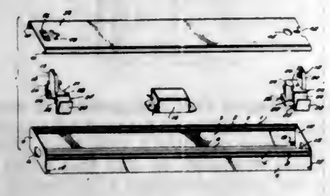
1. A process for obtaining pigmentary titanium dioxide which comprises reacting in the vapor phase, and at temperatures ranging from 800–1350° C., titanium tetrachloride and a small amount of aluminum chloride with an oxygen-containing gas, effecting said reaction over a time period ranging from .01 to 5 seconds and in the presence of from .05 to 10% by volume, based on the total volume of gases being reacted, of water vapor, and thereafter recovering the TiO_2 product from the resulting reaction products.

2,559,639

STRIP FOR FLUORESCENT LAMPS

Michael Henry Kruger, Malden, Mass., assignor to A. L. Smith Iron Company, Chelsea, Mass., a corporation of Massachusetts

Application May 28, 1948, Serial No. 29,870
3 Claims. (Cl. 240—51.11)



1. The combination of end walls, a one-piece sheet metal trough having a base and longitudinally extending side walls connected to the end walls at the lower ends of the side walls to anchor the end walls in place and yet to enable free flexing of the side walls relative to the base, beads formed along the longitudinally extending free edges of said side walls remotely spaced from the base, sheet metal brackets having a pair of V-shaped wings with an intermediate web disposed in alinement with the upper edges of the side walls, and the joints between the wing portions of each wing engaging the inner face of the base, the inner wing portions of each wing extending from the base to the intermediate web and the outer wing portions extending from the base to the lower inner shoulder of the inwardly extending body, the outer wing portions being flexible inwardly to clear said inwardly extending beads when positioning the brackets in, or removing them from, the trough, and a sheet metal cover having inwardly turned flanges along its longitudinally extending free ends resiliently to grip the lower outer shoulders of the outwardly extending beads.

2,559,640

CONNECTING MEANS FOR LIGHTING FIXTURE LOUVER FRAMES

Michael Henry Kruger, Malden, Mass., assignor to A. L. Smith Iron Company, Chelsea, Mass., a corporation of Massachusetts

Application June 11, 1948, Serial No. 32,335
8 Claims. (Cl. 240—51.11)



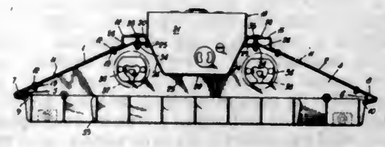
1. In a lighting fixture, the combination of a main frame, brackets, pivotal connections for pivotally connecting the brackets to the main frame, the brackets having crosspieces spaced from the pivotal connections of the brackets with the main frame and to that extent movable relative to said main frame, a light distributing frame having vertically extending plate members, said members having recesses formed therein initially extending downward, then inclining and finally extending upward to form hooks and oppositely disposed inclined cam edges to enable the crosspieces to be guided by said cam edges into hanging cooperation with said hooks when said light distributing frame is raised into engagement with said crosspieces, one of said cam edges being formed on the outer edge of an adjacent hook and the other cam edge being positioned adjacent to, but spaced from, the end of such adjacent hook.

2,559,641

COMBINATION LIGHT DISTRIBUTOR AND WIRING CONDUIT FOR ELONGATED TUBULAR LAMPS

Michael Henry Kruger, Malden, Mass., assignor to A. L. Smith Iron Company, Chelsea, Mass., a corporation of Massachusetts

Application March 29, 1951, Serial No. 218,174
6 Claims. (Cl. 240—51.11)



6. In a lighting fixture, the combination of a main frame having two elongated spaced apart opaque side plates inclining downwardly in an outward lateral direction, opaque end plates connecting the side plates to one another, lamp sockets for fluorescent lamps at said end plates, a ballast housing connected at the inner ends of said side plates and spaced from said end plates so as to cover only a minor part of the space between the side plates, and at least one lamp disposed below and adjacent to each side plate within the vertically projected area thereof, to enable light rays therefrom to be directed upwardly at an angle through the space between the side plates.

2,559,642

RIBBON CABLE

Jakob Kruithof and Marinus Jochem, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 19, 1947, Serial No. 742,703
In the Netherlands February 28, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 28, 1964
1 Claim. (Cl. 174—72)



A ribbon cable that comprises a plurality of coplanar parallel wires arranged in two laterally spaced groups, one group being in each half of the cable, insulation around and along the wires maintaining them in said relationship, said insulation having a series of slot-like openings formed therein exposing portions of each of said wires, said openings laterally communicating with each other and being longitudinally displaced relative to each other whereby they collectively define an opening extending obliquely in the insulation across each half of the cable, said obliquely extending openings being longitudinally displaced whereby no continuous series of openings is presented extending from one to the other edge of the cable, and longitudinally extending centrally located slots in the cable insulation connecting successive obliquely extending openings in opposite halves of the cable, whereby the cable can be severed by severing all of said wires at said exposed portions without mutilating the insulating material.

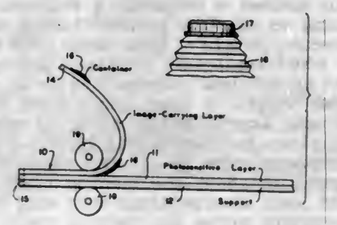
2,559,643

PHOTOGRAPHIC PRODUCT AND PROCESS

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application February 19, 1948, Serial No. 9,527
10 Claims. (Cl. 95—6)

1. The process of forming positive images in color which comprises, developing a latent negative image in a silver halide emulsion layer of a photosensitive element with a color-forming developing agent dissolved in an aqueous alkaline liquid which is absorbed into said photosensitive element and is uniformly distributed throughout said emulsion layer and dissolving coupler material, reactable with oxidized developing agent to form image dye, in liquid which has been absorbed into said photosensitive element after said absorption has occurred whereby to effect the formation of a dye image in situ with a silver image developed by developing agent distributed in said emulsion layer while providing in said emulsion layer an imagewise distribution of unreacted developing agent and unreacted coupler material; transferring from said emulsion layer by imbibition at least part of said imagewise distribution of unreacted developing agent and unreacted coupler material to an image-carrying layer superposed with said photosensitive element



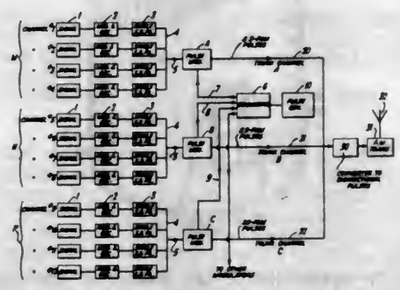
in such close proximity thereto as to receive a depthwise diffusion of liquid from said emulsion layer without appreciably disturbing the imagewise distribution of components contained in said liquid; and oxidizing said transferred developing agent in said image-carrying layer and reacting the oxidized product with said unreacted coupler material in said image-carrying layer to form a dye whereby to provide a positive image of said latent image.

2,559,644

PULSE MULTIPLEX SYSTEM

Vernon D. Landon, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 18, 1948, Serial No. 49,885
9 Claims. (Cl. 179—15)



1. In a pulse communication system the method which includes impressing the intelligence to be transmitted upon a carrier, deriving therefrom a single side band of frequencies containing the modulation, producing a series of spaced direct current pulses, modulating the amplitude of said series of direct current pulses by said single side band, thereby producing a series of amplitude modulated unidirectional pulses, converting said unidirectional pulses to bidirectional pulses whose direction or polarity depends upon whether the amplitude of said unidirectional pulses is above or below a predetermined value, and modulating the frequency of a carrier by said bidirectional pulses.

2,559,645

METHOD OF BLENDING POLYETHYLENE-AMORPHOUS PETROLEUM WAX COMPOSITIONS

Robert G. Larsen, Albany, Calif., and August A. Schaerer, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 26, 1946, Serial No. 718,592
9 Claims. (Cl. 260—28.5)

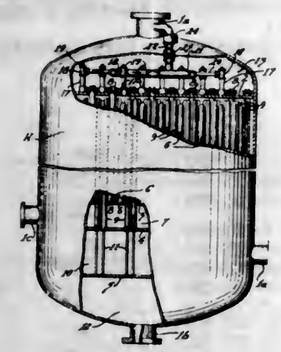
1. The method of preparing a wax composition containing an ethylene polymer having an average molecular weight of from about 6,000 to about 140,000 which comprises; forming a homogeneous blend of an ethylene polymer having an average molecular weight of from about 6,000 to about 140,000 with approximately an equal amount of an amorphous petroleum wax having a melting point between about 40° C. and about 88° C. at a temperature above the melting point of said wax and then incorporating with said blend at a temperature above the melting point of said wax an additional amount of said wax to obtain a homogeneous wax composition.

2,559,646

CONVERSION APPARATUS AND ASSOCIATED ARRANGEMENT FOR CONTROLLING DISTRIBUTION OF GASES PASSING THERETHROUGH

Raymond C. Lassiat, Swarthmore, and James E. Evans, Wallingford, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application May 6, 1947, Serial No. 746,400
5 Claims. (Cl. 23—288)



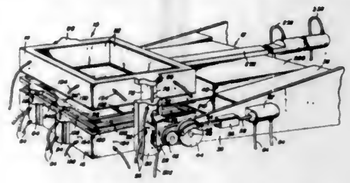
1. In apparatus of the character described, a housing, spaced upper and lower tube sheets horizontally supported in said housing and defining therebetween a reaction chamber adapted to contain contact material, an upper and a lower chamber respectively above and below said reaction chamber, cooperating sets of vertical tubes arranged in parallel relation in said reaction chamber, the tubes of one set thereof being anchored in said lower tube sheet and opening therebelow into said lower chamber, the tubes of a second set extending freely through passages provided therefor in the upper tube sheet and opening into the upper chamber, each of the tubes of both of said cooperating sets of tubes comprising ports adapted to be traversed by gases passed between said upper and lower chambers and intermediately through the contact mass in said reaction chamber, a stuffing box assembly associated with a portion of each tube of said second set which extends through the passage provided therefor in said upper tube sheet, each stuffing box assembly comprising a packing ring encircling the associated tube and forming a slip joint at said passage having a variable leakage characteristic, a plurality of spaced pipes extending above and having lower terminal ends opening through the upper tube sheet, said pipes collectively defining a multi-branch path extending from the reaction chamber, which path is disposed in parallel relation with respect to said slip joints, and an externally accessible valve for varying the gas-passing capacity of said path.

2,559,647

MOLDING MACHINE

Joseph Leo Legere, Oshawa, Ontario, Canada, assignor of twenty-five per cent to John Legere, Brantford, Ontario, Canada

Application August 25, 1948, Serial No. 46,023
29 Claims. (Cl. 22—32)



1. A molding apparatus comprising a lower mold box, an upper mold box slidably and guidably connected to said lower mold box, pressure operated means carried by one box and connected to the other box for positively separating and closing said boxes relative to each other, a pair of support arms, means for mounting one of said boxes on said arms for movement about an axis parallel to the longitudinal axis of said boxes.

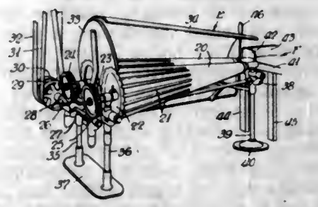
9. A mold box comprising a frame having an inner wall and a bottom edge, a mold plate laterally movably mounted on said inner wall, a stripper mounted on said frame for movement parallel to said bottom edge, means connected to said mold plate and said stripper for moving said plate laterally of said inner wall and said stripper parallel to said bottom edge whereby a mold disposed in the box may readily be removed.

2,559,648

COATED CANDY CHEWING GUM AND METHOD OF MAKING SAME

Eric G. Lindhe, Hastings on Hudson, N. Y., assignor to Sweets Laboratories, Inc., New York, N. Y., a corporation of New York

Application April 9, 1948, Serial No. 19,937
12 Claims. (Cl. 99—135)



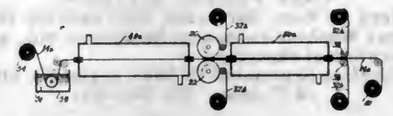
1. A homogeneous wax and oil coated candy chewing gum, devoid of sugar flakes and crystals, having superior oxidative and atmospheric resistance, having the appearance of candy and being chewable to a firm cud, comprising a combination of gum base and boiled sugar, the gum base being encompassed in the form of a fine dispersion in the sugar, said chewing gum having a uniform homogeneous hard candy-like appearance throughout its interior inside of its surface and having a tendency to crunch and fracture like hard candy and consisting of a uniform homogeneous dispersion of substantially dehydrated sugar as an exterior face and the chewing gum base dispersed therethrough as an interior face and said wax and oil coating maintaining the dehydrated condition of the chewing gum.

2,559,649

PROCESS AND APPARATUS FOR TRANSFER COATING

John W. Little, Scarsdale, N. Y., and Carleton S. Francis, Jr., West Harwich, Mass., assignors, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application May 9, 1944, Serial No. 534,728
3 Claims. (Cl. 154—97.5)



3. The continuous process of forming a thin film upon a casting surface, adhering it to a sheet to be coated and stripping it from the surface, comprising, in combination, the steps of successively casting a thin film upon both sides of a moveable support, passing said support into simultaneous contact with two sheets to be coated, applying heat and pressure to the film and the sheets, forcing the film to adhere to the sheets, cooling the film and the sheets at a point spaced from the point of application of heat and pressure to render the film non-tacky, and then stripping the sheets from the moveable support.

2,559,650

PREPARATION OF D-TARTARIC ACID

Lewis B. Lockwood and George E. N. Nelson, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application October 28, 1949, Serial No. 124,252
7 Claims. (Cl. 195—47)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

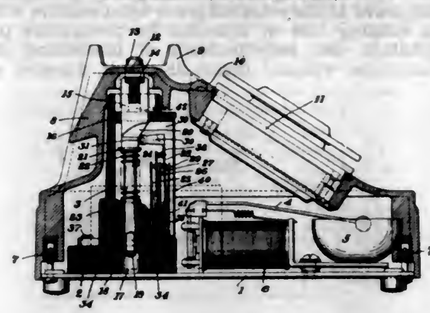
1. A process for the production of d-tartaric acid which comprises inoculating an aqueous nutrient solution containing a source of assimilable nitrogen and potassium salt of 5-keto-d-gluconic acid with *Pseudomonas fluorescens*, cultivating the bacteria under submerged aerobic conditions at a pH within the range of 4 and 8 and at a temperature within the range of 20° and 40° C. for a period of 3 to 17 days, adding sufficient acidic ion to precipitate the tartaric acid as potassium hydrogen tartrate.

2,559,651

TELEPHONE SUBSET

Ernest S. McLarn, Manhasset, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application September 23, 1944, Serial No. 555,419
3 Claims. (Cl. 173—324)



1. A terminal connector block for a telephone subset comprising a relatively rectangular mass of insulating material having embedded therein a plurality of terminal elements together with conductor straps, said conductor straps connecting circuit related terminal elements, extensions on certain of said conductor straps forming means to support a plurality of switch springs, a plunger block formed integral with said mass, said plunger block adapted to provide a housing for said switch springs, said extensions being coated with said insulating material, means to drain condensate from said extensions, means in said block adapted to guide a switch plunger, said guide means having a vertically tapered cylindrical aperture, a shoulder at one end of said aperture adapted to form a seat for a bearing washer, and a collar at the other end of said aperture adapted to form a spring seat.

2,559,652

PREPARATION OF D-GLUCURONIC ACID

Charles L. Mehltretter, Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application April 26, 1949, Serial No. 89,792
4 Claims. (Cl. 260—333)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Process for the preparation of D-glucuronic acid which comprises treating an aqueous solution of calcium 1,2-acetone-D-glucuronate hydrate with the theoretical amount of oxalic acid necessary to combine with the calcium ions present and heating the resulting aqueous solution of 1,2-acetone-D-glucuronic acid at a temperature from 75° C. to reflux for a period of 1 to 3 hours, without addition of any other hydrolyzing agent and recovering D-glucuronic acid after removal of the precipitated calcium oxalate.

2,559,653

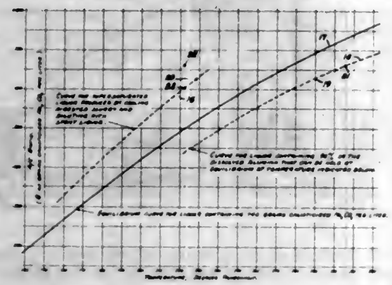
RECOVERY OF ALUMINA FROM ALUMINA-CONTAINING ORES

Cloise L. Mooney, Baton Rouge, La., assignor to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware

Application October 6, 1948, Serial No. 53,090
6 Claims. (Cl. 23—143)

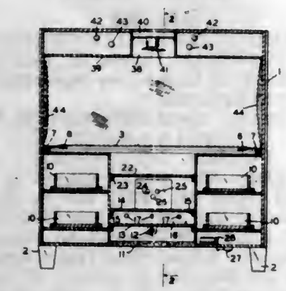
1. In a continuous process for extracting alumina from aluminous material in which the ma-

terial is pressure digested at elevated temperatures with caustic liquor until substantially all of the available alumina is in solution, the digested slurry is cooled to a selected lower temperature and the insoluble residue is removed from the green liquor having an alumina-to-caustic ratio representing substantially the permissible maximum at the selected lower temperature without causing loss of alumina by premature precipitation, the improvement of increasing unit production without increasing unit digester ca-



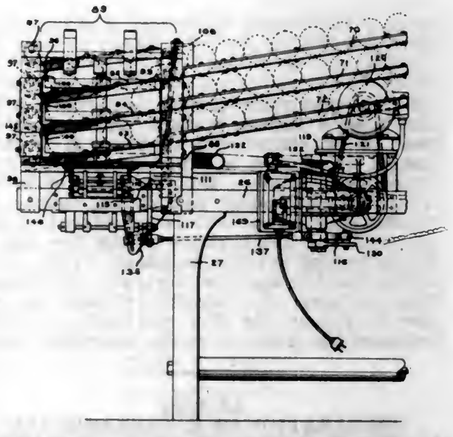
capity, which comprises increasing the charge of aluminous material to the digestion phase without increasing the flow of caustic liquor thereto thereby producing a green liquor having an alumina-to-caustic ratio in excess of the permissible maximum at the selected lower temperature, cooling the digested slurry to the selected lower temperature, and adding caustic liquor to the slurry to reduce the alumina-to-caustic ratio of the green liquor to substantially the permissible maximum.

2,559,654
AIR-CONDITIONED BABY CRIB
Loyal G. Netteland, Minneapolis, Minn.
Application November 24, 1947, Serial No. 787,716
1 Claim. (Cl. 128—1)



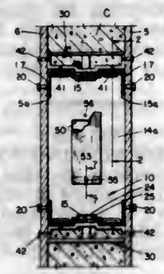
An air-conditioned baby cabinet type crib consisting of spaced side, end, and top walls connected together, sleeping mat supporting means secured interiorly to the opposite walls of the cabinet, a flexible pervious non-absorbent closely woven plastic sheet of substantially the same dimensions as the interior dimensions of the cabinet secured to a substantially rigid frame, and constituting a totally unobstructed sleeping mat which frame carrying the sleeping mat is supported directly on the supporting means and thus serves as a partition to divide the cabinet into an unobstructed upper compartment and a lower compartment, means for conditioning air positioned in the lower compartment and for allowing circulation of air upwardly through the interstices of the sleeping mat, the sleeping mat being adapted to receive and support the baby directly thereon and in contact with a portion thereof, the dimensions of the sleeping mat being such that a substantial portion thereof is not in contact with the baby and thus the air from the lower compartment is allowed to permeate through the interstices of the mat and directly engage all portions of the baby contacting and supported on the mat and also to permeate through the interstices of the mat between the legs of the baby if separated as well as to pass through all other portions of the mat not contacted by the baby which results in a complete release of the air from the lower compartment into the upper compartment and in contact with the baby on the contacted portion of the mat and a circulation of air about the baby through the uncontacted portions of the mat, and the characteristics of the sleeping mat which is closely woven are such that any fast updraft or movement of the air is prevented and the air that passes from the lower compartment to the upper compartment permeates gently through the mat without creating any drafts or direct streams of air that would merely flow upwardly and not surround and contact all portions of the baby supported on the mat.

2,559,655
CASE FILLING MACHINE
Clifford H. Neer, Baltimore, Md., assignor to The Burt Machine Company, Baltimore, Md., a corporation of Maryland
Application September 24, 1945, Serial No. 618,278
14 Claims. (Cl. 226—15)



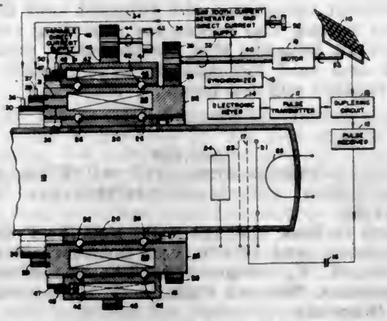
1. A case loading machine comprising means including superimposed shelves movable from horizontal to inclined position to hold a full load of cans for a case forming a loading space, means including superimposed inclined ways to one side of said loading space and from which the cans roll on said inclined ways to the shelves of the loading space, forming a magazine holding a full load of cans for said space, means to support said shelves in inclined position to receive cans from the magazine, slidable means, interlocking with said supporting means to retain them in supporting position, means to eject the full load of cans from said loading space when the loading space shelves are horizontal, constantly operating means periodically releasing said slidable means, means actuated by a case placed to receive a load of cans from said loading space to release said supporting means during a release period of said slidable means.

2,559,656
WINDOW MOUNT FOR CONCRETE STRUCTURES
Miyoji Okazaki, Mesa, Ariz.
Application July 19, 1946, Serial No. 684,860
1 Claim. (Cl. 72—105)



A hinge mount for a window opening in a concrete structure comprising a frame having front, back and end walls and being open at its top and bottom to receive concrete, and a medial transverse reinforcing member secured at its respective ends to the front and back walls and presenting a threaded hole in its front end, said front wall having a screw-passing hole registering with the first-named hole.

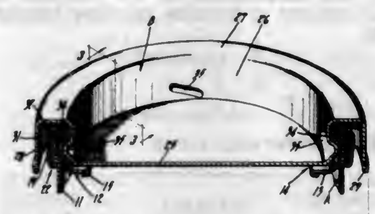
2,559,657
SWEEP GENERATION
Robert M. Page, Washington, D. C.
Original application September 19, 1942, Serial No. 459,010. Divided and this application August 27, 1947, Serial No. 770,842
14 Claims. (Cl. 315—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of producing a rotating radial sweep of the electron beam of a cathode ray tube which comprises producing a uniform periodic linearly varying electromagnetic field across the path of said electron beam and rotating said field at a frequency low with respect to the periodicity of said field.

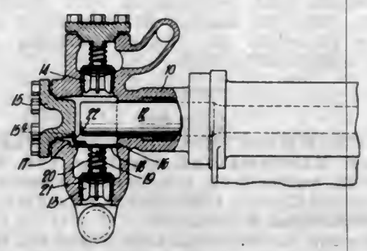
2,559,658
CONTAINER
Ralph K. Pottle, New York, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 29, 1945, Serial No. 638,149
4 Claims. (Cl. 220—40)

1. A container and cover assembly comprising a body member having an annular end member secured thereto and a cover having a depressed panel wall removably secured to said body member, peripheral portions of said annular end member being engaged with peripheral portions of said body member in a folded end seam for permanently securing the end member to the body member, spaced portions of said folded seam being laterally offset and projected inwardly from the inner periphery of said seam to constitute spaced reenforced cover locking lugs of double



wall thickness formed integrally with the seam, integral portions of the cover defining the depressed panel wall thereof being laterally offset and projected outwardly to constitute spaced locking lugs engageable beneath the aforesaid spaced locking lugs on said body member and seam to removably secure the cover to the container body, said cover having a depending peripheral flange forming with said depressed cover wall a channel enclosing said annular end member.

2,559,659
PUMP VALVE
William J. Redman, Pittsburgh, Pa., assignor to Oil Well Supply Company, a corporation of New Jersey
Application March 7, 1949, Serial No. 79,972
3 Claims. (Cl. 103—153)



1. In a reciprocating pump comprising a cylinder, a reciprocable element in said cylinder, intake and discharge valves on the walls of said cylinder, and a removable cylinder head closing the end of said cylinder, said reciprocable element and the parts of said intake valve being assembled and dismantled through the end of the cylinder on removal of said cylinder head, the inner wall of the intake valve compartment having a circumferential groove adjacent its juncture with the cylinder and the cut-away section extending from said groove into the cylinder, an intake valve bumper plate carried within said groove out of the part of said reciprocable element, said plate being insertable and removable through the end of said cylinder and insertable into said groove through said cut-away section.

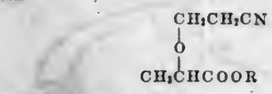
2,559,660

CYANOETHYLATION OF ALKYL LACTATES

Chessie E. Rehberg, Glenside, Pa., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application December 1, 1950, Serial No. 198,718
2 Claims. (Cl. 260—465.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process comprising reacting a lower alkyl lactate with acrylonitrile in the presence of an alkaline catalyst to produce an ether having the formula



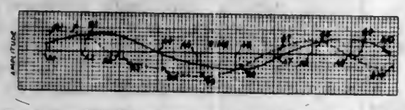
where R is a lower alkyl group.

2,559,661

MULTICHANNEL ELECTRICAL PULSE COMMUNICATION SYSTEM

Alec Harley Reeves, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 2, 1947, Serial No. 738,954
12 Claims. (Cl. 179—15)



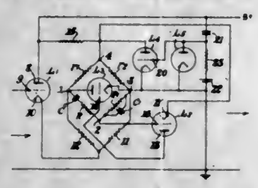
1. In a multiplex communication system of the type wherein each communication channel comprises a train of discrete pulses of substantially predetermined time spacing, a method of reducing interchannel crosstalk comprising changing the spacing of a predetermined number of pulses of each channel to provide relatively close grouping within the period of said predetermined spacing, and applying the grouped pulses of each channel to a common transmission medium in interleaved time relationship with other such groups, with the spacing between each of said groups exceeding the changed spacing of the pulses within each group.

2,559,662

MULTIPLE REACTION CIRCUIT AMPLIFIER

Michael Rheingold and Stanislas Van Mierlo, Zurich, Switzerland, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application November 13, 1946, Serial No. 709,662
In Switzerland April 30, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 30, 1965
9 Claims. (Cl. 179—171)



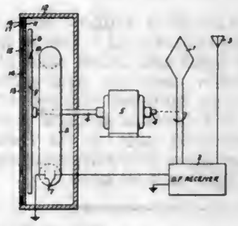
2. An amplifier circuit for amplifying an oscillating signal comprising an amplifying unit having an input and a characteristic curve of transmission, an output circuit having an output level of signal, means for controlling the shape of said output level comprising a first reverse feedback circuit having a first characteristic of transmission and being arranged between said output circuit and said input and a second reverse feedback circuit having a second characteristic of transmission and being arranged between said output circuit and said input, said second reverse feedback circuit comprising an auxiliary amplifier with a reverse feedback circuit for causing the characteristic of transmission of said second feedback circuit to vary suddenly at a particular frequency.

2,559,663

DIRECTION FINDING SYSTEM

Avery Groat Richardson, Boonton, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application December 1, 1949, Serial No. 130,513
13 Claims. (Cl. 343—114)



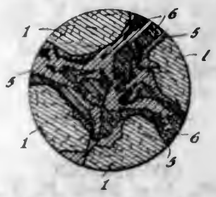
1. In a direction finder comprising a directional antenna system, a direction-finding receiver, means coupling said antenna system to said receiver, means for shifting the directional pattern of said antenna system at a given frequency, an indicator comprising an illuminatable pointer, means for illuminating said indicator in response to a predetermined energy level of said receiver, and an error compensating arrangement, said indicator and said compensating arrangement being disposed adjacent said illuminating means, and means for providing relative movement between said compensating arrangement and said indicator in synchronism with said pattern shifting means.

2,559,664

RESIN BONDED ABRASIVE ARTICLE AND METHOD OF MANUFACTURING THE SAME

Kernell G. Ries, Niagara Falls, Norman P. Roble, Lewiston, and Phyllis von Doenhoff, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application February 11, 1947, Serial No. 727,932
12 Claims. (Cl. 51—298)



6. A resin bonded abrasive body such as an abrasive wheel or stone comprising a plurality of abrasive grains bonded into the said body by a bond comprising both a heat-hardening resin and a thermoplastic resin selected from the group consisting of polymers and copolymers of vinyl compounds, said thermoplastic resin being incompatible and non-reactive with the heat-hardenable resin and having a softening point high enough to prevent it from flowing through the heat-hardenable resin and low enough so that the particles of thermoplastic resin are fluxed and weld together to form aggregations during the heat-treatment of the formed article, said bond being so distributed that the abrasive grains are surrounded by a coating of the heat-hardened resin and the said thermoplastic resin is positioned between the said coating of heat-hardened resin surrounding the grains and a second layer of heat-hardened resin, the said thermoplastic resin being so distributed through the heat-hardened resin as to modify the characteristics of the heat-hardened resin and provide an abrasive article characterized by a high efficiency and cutting rate and the ability to impart superior finishes to the material being abraded.

2,559,665

METHOD OF MAKING RESIN BONDED ABRASIVE ARTICLES

Kernell G. Ries and George J. Goepfert, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

No Drawing. Application February 11, 1947, Serial No. 727,933
10 Claims. (Cl. 51—298)

1. A method of making a molded resin bonded abrasive article which comprises mixing abrasive grains with a solvent for a heat-hardenable synthetic resin, mixing the wetted grains with such a heat-hardenable resin in powdered form until the powdered resin becomes thoroughly wetted with the solvent and forms coatings about the individual grains which are adhesive, then mixing such grains with a powdered theromoplastic resin which is insoluble in the said solvent and continuing the mixing until the inner coatings penetrate the powdered thermoplastic resin and make the grains somewhat sticky, adding more of the said powdered heat-hardenable resin in a quantity sufficient to dry up the coatings on the grains and provide a distributable mass, pressing an article from the mixture in a mold, and heating the article to harden the heat-hardenable resin and to soften the thermoplastic resin and cause a number of particles of such powdered resin to agglomerate and become distributed through the matrix of the heat-hardened resin, the softening point of said thermoplastic resin being high enough to prevent the resin from flowing through the heat-hardenable resin and low enough so that the resin is fluxed and a number of particles of the resin can weld together and form aggregates.

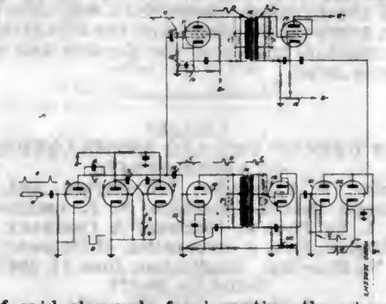
2,559,666

DOUBLE APERTURE GENERATOR

Allen H. Schooley, Washington, D. C.

Application April 23, 1943, Serial No. 484,151
15 Claims. (Cl. 343—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

13. Apparatus for producing a pair of time abutted energy pulses comprising, a pair of pulse generating channels each including a critically damped oscillatory circuit arranged for shock excitation, means applying a control pulse in parallel to said channels to produce a damped oscillation in each of said channels, means in



one of said channels for inverting the phase of the damped oscillation therein with respect to the damped oscillation in the other channel, and signal clipping means coupled to the output of each of said channels operative to pass signals of only one sense.

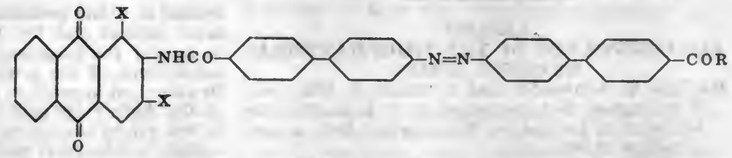
2,559,667

AZO DYE INTERMEDIATES OF THE ANTHRAQUINONE SERIES

Herman E. Schroeder, Wilmington, Del., and Joseph Deinet, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 17, 1949, Serial No. 99,871
6 Claims. (Cl. 260—207.1)

1. The compounds of the general formula:



in which at least one X stands for a halogen of the group consisting of chlorine and bromine and R is a substituent of the group consisting of —OH, —NH_2, —Cl and —O-alkyl, which alkyl group may contain from 1 to 18 carbon atoms.

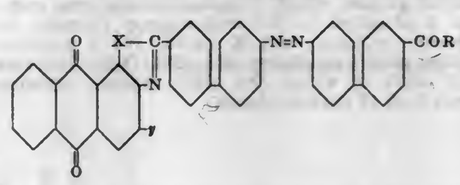
2,559,668

AZO ANTHRAQUINONE VAT DYES AND INTERMEDIATES

Herman E. Schroeder, Wilmington, Del., and Joseph Deinet, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 17, 1949, Serial No. 99,872
6 Claims. (Cl. 260—157)

1. The compounds of the general formula:



in which X stands for an element of the group

consisting of O and S, *y* stands for an element of the group consisting of H, Cl and Br, and R stands for a radical of the group consisting of —OH, —Cl, —O-alkyl, —NH_2, —NH-alkyl and —NH-aryl in which the O-alkyl group carries from 1 to 18 carbon atoms, the —NH-alkyl group from 1 to 4 carbon atoms and the aryl group is a hydrocarbon radical of the benzene and naphthalene series.

2,559,669

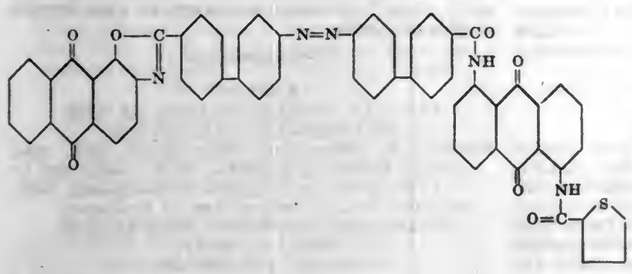
VAT DYES OF THE AZO ANTHRAQUINONE OXAZOLE SERIES

Herman E. Schroeder, Wilmington, Del., and Joseph Deinet, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 17, 1949, Serial No. 99,873

6 Claims. (Cl. 260—152)

3. The compound of the formula:



2,559,670

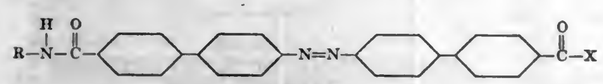
AZO COMPOUNDS OF THE THIOPHANTHRAQUINONE SERIES

Herman E. Schroeder and Lorraine A. Ringrose, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 17, 1949, Serial No. 99,874

7 Claims. (Cl. 260—152)

1. The compounds of the general formula:



in which R stands for a thiophanthraquinone radical of the group consisting of the unsubstituted thiophanthraquinone radical and the thiophanthraquinone radicals carrying monovalent substituents of the group consisting of bromine, chlorine, methoxy, benzoylamino and thenoylamino groups, which thiophanthraquinone radical is attached to the imino group through its benzene nucleus, and X stands for a member of the group consisting of —OH, OH_2, —Cl and —O-alkyl in which the alkyl radical contains from 1 to 18 carbon atoms.

2,559,671

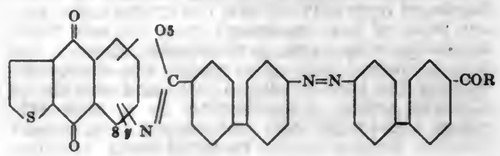
AZO COMPOUNDS OF THE THIOPHANTHRAQUINONE SERIES

Herman E. Schroeder and Lorraine A. Ringrose, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 17, 1949, Serial No. 99,875

4 Claims. (Cl. 260—152)

1. The compounds of the general formula:



in which the O and N of the oxazole ring are connected in ortho position on the thiophanthraquinone radical and the hetero-oxygen is attached to one of the positions 5 and 8, *y* stands for a substituent of the group consisting of H, Cl and Br attached in position ortho to the nitrogen atom of the azole ring, and R stands for a substituent of the group consisting of —OH, —Cl, —O-alkyl, —NH_2, —NH-alkyl and —NH-aryl, in which the O-alkyl group carries from 1 to 18 carbon atoms, the —NH-alkyl from 1 to 4 carbon atoms and the aryl group is a hydrocarbon radical of the benzene and naphthalene series.

2,559,672

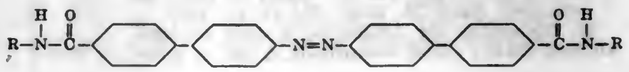
AZO COMPOUNDS OF THE THIOPHANTHRAQUINONE SERIES

Herman E. Schroeder and Lorraine A. Ringrose, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 17, 1949, Serial No. 99,876

5 Claims. (Cl. 260—152)

1. The azobiphenylcarbonylaminothiophanthraquinones of the general formula:



in which at least one R stands for a thiophanthraquinone radical and the second R for a radical of the group consisting of thiophanthraquinone radicals and anthraquinone radicals, the thiophanthraquinone and the anthraquinone radicals in each case being of the group consisting of the unsubstituted thiophanthraquinone and anthraquinone radicals and the thiophanthraquinone and anthraquinone radicals which carry monovalent substituents of the group consisting of chlorine, bromine, methoxy, benzoylamino and thenoylamino groups, which substituents in the case of the thiophanthraquinone radical are attached to the benzene nucleus and the thiophanthraquinone radical is attached to the amino-nitrogen atom of the carbonylamino group in the formula through its benzene nucleus.

2,559,673

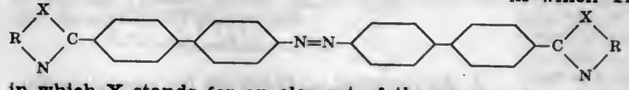
AZO DYES OF THE THIOPHANTHRAQUINONE SERIES

Herman E. Schroeder and Lorraine A. Ringrose, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 17, 1949, Serial No. 99,877

4 Claims. (Cl. 260—157)

1. The azobiphenyldiazoles of the general formula:



in which X stands for an element of the group consisting of sulfur and oxygen and the R's stand for radicals of the group consisting of thiophanthraquinone, anthraquinone and halogen-substituted thiophanthraquinone and halogen-substituted anthroquinone radicals the halogen in each case being of the group consisting of chlorine and bromine, at least one R being a radical of the group consisting of thiophanthraquinone and halogen-substituted thiophanthraquinone radicals, the thiophanthraquinone radicals in each case being connected to the azole ring through its benzene nucleus.

2,559,674

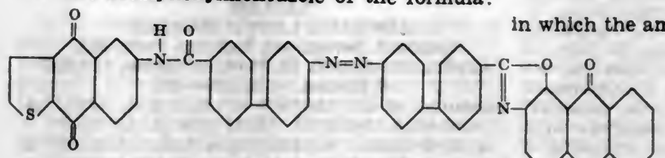
DYES OF THE THIOPHANTHRAQUINONE SERIES

Herman E. Schroeder and Lorraine A. Ringrose, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 17, 1949, Serial No. 99,878

4 Claims. (Cl. 260—152)

3. The azobiphenylmonoazole of the formula:



2,559,675

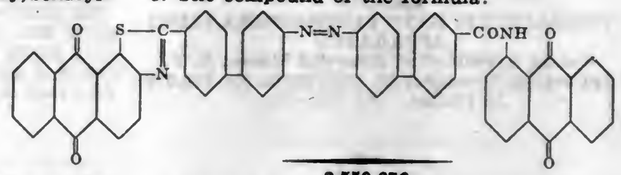
VAT DYES OF THE AZO ANTHRAQUINONE SERIES

Herman E. Schroeder, Wilmington, Del., and Joseph Deinet, Glassboro, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 17, 1949, Serial No. 99,880

5 Claims. (Cl. 260—152)

3. The compound of the formula:



2,559,676

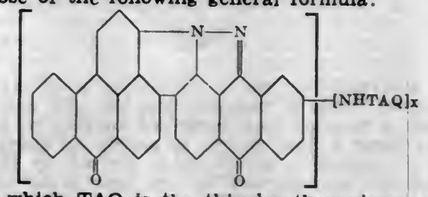
ANTHRAQUINONE VAT DYESTUFFS

Herman E. Schroeder and Lorraine A. Ringrose, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 11, 1949, Serial No. 120,814

4 Claims. (Cl. 260—275)

1. The compounds of the class consisting of those of the following general formula:



in which TAQ is the thiophanthraquinone nucleus attached to the imino group through one of the positions 5 and 8 and X is one of the numbers 1 and 2, and their mono-chloro and mono-bromo products.

2,559,677

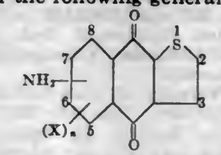
AMINO-HALOGEN-THIOPHANTHRAQUINONES

Herman E. Schroeder, Kennett Square, Pa., and Lorraine A. Ringrose, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Substituted for abandoned application Serial No. 99,879, June 17, 1949. This application January 19, 1951, Serial No. 206,930

6 Claims. (Cl. 260—329.2)

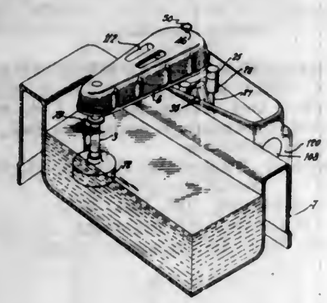
1. The amino - halogen - thiophanthraquinone compounds of the following general formula:



in which the amino group is attached to the benzene nucleus attached to the imino group through one of the positions 5 and 8 and X is one of the numbers 1 and 2, and their mono-chloro and mono-bromo products.

zene nucleus of the thiophanthraquinone in one of the positions 5, 6, 7 and 8, X stands for halogen of the group consisting of chlorine and bromine which halogen is attached to the benzene nucleus, at least one halogen being in one of the positions ortho and para to the amine group, and *n* stands for one of the numerals 1 and 2.

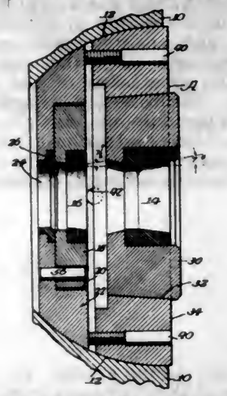
2,559,678
THERAPEUTIC BATH FLUID CIRCULATING APPARATUS
George A. Schroeter, Briarcliff Manor, N. Y.
Application December 28, 1946, Serial No. 718,979
10 Claims. (Cl. 259—95)



9. A device for use in providing a directed stream of liquid in bathtubs and the like, comprising a wheeled base structure adapted to be rolled along a floor and to be positioned alongside a bathtub, a drive motor carried by the device, an arm carried by the base structure and overlying said base structure and drive motor and movable vertically away from and toward the base structure, said arm being horizontally swingable between a retracted position in which all of the arm directly overlies the base structure and an extended position in which the arm projects outwardly beyond the base structure and may overlie a portion of a bathtub, a member depending a fixed distance below said arm from a portion thereof which is extendible beyond the base structure, means carried by a lower part of said member for providing a directed stream in a liquid in a tub into which said member extends, a drive connection between said means and drive motor, and guide means cooperating with said arm and base structure for maintaining said arm horizontal during said movements thereof.

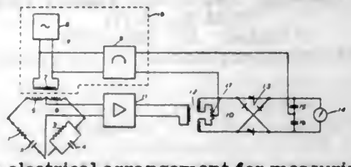
2,559,679
DIE ASSEMBLY
Theodore S. See, Hammond, Ind., assignor to La Salle Steel Company, Chicago, Ill., a corporation of Delaware
Application February 10, 1948, Serial No. 7,374
13 Claims. (Cl. 205—25)

1. A housing having an opening formed therein with the wall of said opening being of spherical configuration, and a die assembly adapted to fit within said opening to form a ball and socket bearing therewith, said die assembly comprising, in combination, a high reduction die member, a low reduction die member, and means for aligning said die members with respect to one another, said means including a plurality of adjusting members carried by one of said die members and engaging the other of



said die members to effect relative movement of said die members in said socket.

2,559,680
FREQUENCY MEASURING APPARATUS
Ben Secker, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 20, 1947, Serial No. 749,322
In Great Britain September 6, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 6, 1965
4 Claims. (Cl. 172—245)

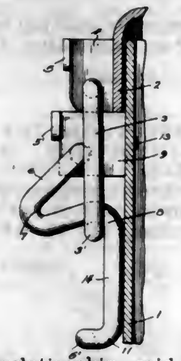


1. An electrical arrangement for measuring the deviation from a specified frequency of the frequency of the alternating voltage generated by an electrical oscillator, comprising means for connecting the oscillator to the input terminals of an equal ratio Wheatstone bridge circuit having in one arm a first resistance connected in series with a first condenser and in an adjacent arm a second resistance connected in parallel with a second condenser the values of the said resistances and the capacities of the said condensers being chosen so that the bridge is balanced at the specified frequency, a phase shifter having its input connected across said oscillator for producing an alternating voltage shifted 90° in phase relative to the oscillator alternating voltage, means for simultaneously applying a voltage proportional to the output voltages of the bridge circuit and of the phase shifter to a balanced modulator having a direct current instrument connected thereto in such manner that the said instrument indicates the value of the oscillator output voltage component which is in quadrature with the phase shifter output voltage.

2,559,681
LOCKING LATCH HANDLE
Ronald S. Senseman, Takoma Park, Md.
Application August 12, 1947, Serial No. 768,253
8 Claims. (Cl. 220—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

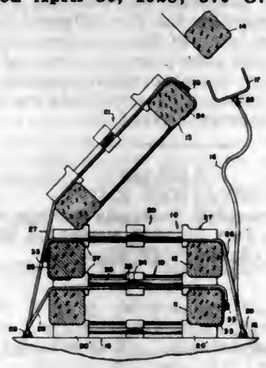
4. A container comprising a body; a cover; a lug projecting from said body; a lug projecting

from said cover, said second-named lug being aligned with said first-named lug when said cover is in position on said body; a hasp bail pivoted to one of said lugs, said hasp bail having a continuous substantially straight portion and being adapted to serve as a handle when disengaged; and a lever bail having a continuous substantially straight portion and being adapted to serve as a handle when disengaged, said lever bail also having two parallel side portions disposed in a plane normal to said continuous substantially straight portion, each of said side portions pivotally engaging said first-named lug and being bent at an acute angle to provide a spring portion and an elbow portion constituting a socket for seating and releasably holding said hasp bail



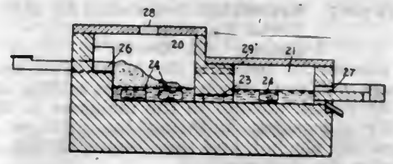
in over-center relationship; said first-named lug having an upper face serving as a seat for said cover when said hasp bail and said lever bail are interengaged, and at least one of said lugs being equipped with means projecting into the path of the bail pivoted to said lug so as to limit the pivotal movement of said bail.

2,559,682
RAFT HOLDING AND RELEASE APPARATUS
George Sipkin, Washington, D. C.
Application February 16, 1949, Serial No. 76,744
17 Claims. (Cl. 9—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In stack holding and release equipment, a base support, a group of superposed buoyant raft members mounted in stack formation on said support, attachment elements removably secured to each of said group members at alternate sides of said stacks for successive members, and cables connecting each of said elements to said support.

2,559,683
ELECTRIC ENAMEL FURNACE
Robert E. Skinner, Lakewood, and Glenn H. McIntyre, Cleveland Heights, Ohio, assignors to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
Original application March 15, 1949, Serial No. 81,478. Divided and this application May 4, 1949, Serial No. 91,394
1 Claim. (Cl. 13—6)



A smelter for the continuous production of porcelain enamel comprising the combination of a hearth comprising melting and fining zones, a confining structure comprising upstanding walls and a roof, arranged about and over said hearth and forming therewith substantially closed adjacent melting and fining chambers, said melting chamber provided with a charge opening for raw material and a flue opening for discharging hot gases and said fining chamber provided with a discharge opening for melted material, the material supporting surface of said hearth being substantially a straight line inclined towards said discharge opening, separate passages respectively for hot gases and melted material connecting said chambers, said passage for hot gases disposed substantially adjacent the roof of said fining chamber wherein the hot gases flow countercurrent to the flow of the molten material and said passage for melted material being restricted and submerged below the normal bath level, four horizontal electrodes disposed below the normal bath level and arranged in pairs opposite each other in the side walls of said melting zone and two horizontal electrodes disposed below the normal bath level and arranged opposite each other in the side walls of said fining zone, said electrodes being of the same polarity on one side and of opposite polarity on the opposite side, a power circuit sufficient to supply an electric current through the electrodes in said melting chamber to effect a heating current flow through a mass of porcelain enamel forming materials, and a separate power circuit, in said fining chamber sufficient to supply an electric current to maintain the said melted material in fining chamber in a molten state.

2,559,684
STABILIZING RED PHOSPHORUS
Sol Skolnik, Inyokern, Calif., and Grover L. Bridger, Ames, Iowa, assignors to Tennessee Valley Authority, a corporation of the United States
No Drawing. Application April 27, 1949, Serial No. 90,035
3 Claims. (Cl. 23—223)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

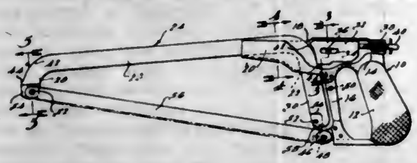
3. A process for stabilizing finely divided red phosphorus normally susceptible to ignition under the influence of impact and friction which comprises admixing such red phosphorus with a small proportion of concentrated phosphorous acid; drying the resulting mixture at a low temperature until substantially all uncombined moisture is removed; and maintaining the mixture, consisting

of fine particles of red phosphorus having their surfaces coated with highly concentrated phosphorous acid, in a state of apparent dryness.

2,559,685
METHOD OF TREATING CITRUS FRUIT PULP LIQUOR
Boris T. Sokoloff and James B. Redd, Lakeland, Fla.
No Drawing. Application September 14, 1948, Serial No. 49,294
7 Claims. (Cl. 99—6)

1. A process for reducing the bitter after-taste of citrous molasses, which comprises adding absolute iso-propyl alcohol to the molasses to dissolve the glucosides, agitating the mixture of molasses and alcohol, and then removing the alcohol from the molasses.

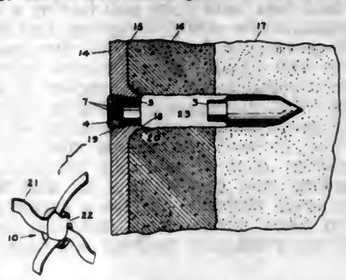
2,559,686
EXTENSIBLE HACK SAW FRAME
Henry E. Suhre, Pueblo, Colo.; Olivia S. Des Champs conservatrix of said Henry E. Suhre
Application October 26, 1945, Serial No. 624,652
9 Claims. (Cl. 145—34)



1. A hack saw comprising a handle having a longitudinally-extending recess at its upper end, said recess having an elongated opening through its bottom, a frame comprising a body having downturned portions at its opposite ends, the opposite downturned ends of said frame being alternatively receivable in said recess to project downwardly through said opening with the remainder of said frame projecting longitudinally from said handle, means on said handle and below said recess engageable with one end of a saw blade, means at each end of said frame alternatively engageable with the other end of said blade, and means longitudinally shiftably mounted in said recess and cooperable with the portion of said frame received in said recess to retain said frame portion against removal from said recess and to urge said frame longitudinally away from said handle blade-engaging means.

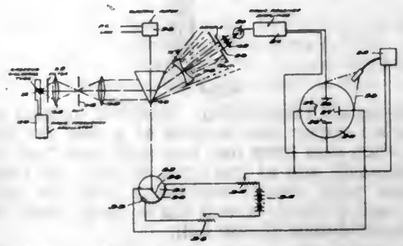
2,559,687
APPARATUS FOR GUN PERFORATING WELL CASING AND SURROUNDING UNCONSOLIDATED FORMATIONS
Gerald B. Thomas, Jr., United States Navy, Berkeley, Calif.
Application March 20, 1945, Serial No. 583,829
3 Claims. (Cl. 166—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an apparatus of the character described, a projectile adapted to be fired from a gun in a well casing, a screen plug on the projectile separable from the projectile upon engagement thereof with the casing, to lodge in the casing and plug the hole formed by the projectile, said plug having perforations of a size to pass fluids therethrough into the casing and exclude sand therefrom, a frangible sleeve normally surrounding the projectile, said sleeve having longitudinally arranged slots to facilitate peeling the sleeve off the projectile upon impact of the projectile with the casing, and a retaining pin normally connecting



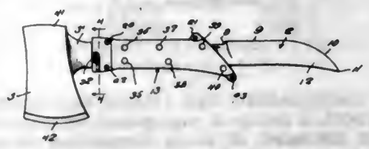
the plug to the projectile, said pin being frangible at stresses less than deformation stresses of the plug.

2,559,688
ABSORPTION SPECTROMETRY WITH USE OF RADIO-FREQUENCY MODULATED LIGHT SOURCE
Guy A. D. Touvet, Orleans, France
Application July 24, 1947, Serial No. 763,349
20 Claims. (Cl. 88—14)



15. A method of absorption spectrometry analysis which comprises, passing a radio-frequency amplitude modulated band of light through a substance transparent thereto, detecting and converting the light which has passed through the substance to an electric current of radio-frequency having amplitude variations at a frequency corresponding to said radio-frequency modulation of the band of light and varying in amplitude intensities for the different light frequencies of the band of light in accordance with the characteristic absorption spectrum of the substance, whereby the absorption spectrum of the substance is indicated by amplitude variations of said radio-frequency current.

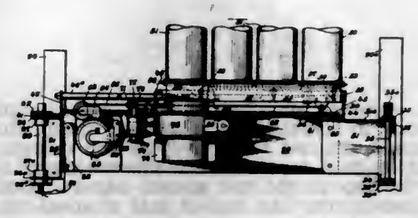
2,559,689
SHEATHED KNIFE
John G. Truesdell, Colorado Springs, Colo.
Application July 13, 1945, Serial No. 604,808
2 Claims. (Cl. 30—162)



2. In a cutting tool, a shank, a knife blade positioned in end to end aligned relation with respect to said shank and fixedly secured to the latter, an open-ended hand grip positioned in embracing relation with respect to said shank and mounted

on the latter for sliding movement into and out of embracing relation with said knife blade, there being a transverse slot extending through said hand grip, said grip being provided with a longitudinal bore having one end in communication with said slot adjacent one end of the latter, means in said slot and engageable with said shank for positioning said hand grip at a desired position on said shank, said last-named means including a bolt positioned within said transverse slot and mounted adjacent the other end of the latter for swinging movement into and out of engagement with said shank, and resilient means mounted within said bore and coacting with said last named means for retaining said hand grip at said desired position on said shank, said last-named means including a ball positioned within said slot and mounted for sliding movement toward and away from said bolt, and resilient means interposed between said ball and the other end of said bore for urging said ball toward said bolt.

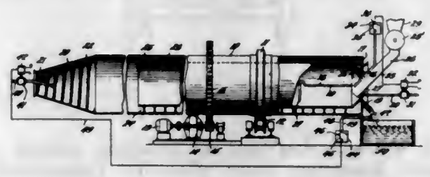
2,559,690
CUP DISPENSING MECHANISM
Walter Von Stoeser, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application April 18, 1947, Serial No. 742,253
7 Claims. (Cl. 312—44)



1. In an article dispensing machine having a single dispensing station, the combination of a rectilinearly movable support for a plurality of stacks of articles to be dispensed, a dispenser mechanism located at the dispensing station and including a single combination of automatically operated shiftable article engaging means for dispensing an individual article from the stack then at the dispensing station, and means including a control element shiftable into contacting position with articles in said stack and operated by said article engaging means for moving said support to present a new stack of articles to said dispensing station upon depletion of the articles in the preceding stack below a predetermined minimum.

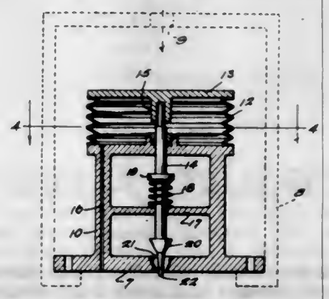
2,559,691
APPARATUS FOR PRODUCING MILK OF LIME
Robert S. Walker, Allentown, Pa., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa., a corporation of Delaware
Original application August 24, 1945, Serial No. 612,459. Divided and this application January 16, 1948, Serial No. 2,638
3 Claims. (Cl. 23—287)

1. Apparatus for producing milk of lime, comprising a generally horizontally extending drum mounted for rotation about its longitudinal axis, said drum having an inner peripheral flange at its head end defining a discharge opening and having an annular wall at its foot end defining an opening whose lower edge is above the level of the lower edge of the head end opening, a second drum having an imperforate cylindrical side wall disposed concentrically within the first in peripherally spaced relation for rotation therewith, said second drum having an inner peripheral flange at its end adjacent the head end of the first drum defining a feed opening disposed inwardly of said discharge opening and its other end terminating short of the foot end of the first drum, the lower edge of the feed opening of the



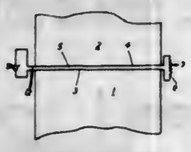
second drum being above the level of the lower edge of the discharge opening of the first drum and there being an annular discharge outflow space between the end flanges of the two drums, means for continuously delivering lime and slaking liquid through the feed opening into the head end of the second drum, said second drum discharging slaked limit from its said other end into the first drum, and means for continuously supplying a diluting fluid to the foot end of the first drum whereby to produce a milk which is discharged through the head end opening of the first drum.

2,559,692
AUTOMATIC DRAIN FOR AIR LINES
Edward J. Whalen, North Providence, R. I.
Application October 18, 1944, Serial No. 559,292
1 Claim. (Cl. 137—34)



An automatic drain valve unit for a compressed air line comprising a base plate having a central valve seat therein, legs arising from said plate in surrounding relation to said seat, a top plate supported by said legs, a bellows supported on said top plate for direct exposure to pressure from said line and including a closure plate having a socket therein, a valve stem slidable through said top plate with an upper end seated in said socket whereby upon collapse of said bellows said stem is moved downwardly, a valve on said stem adapted to engage said seat upon downward movement of said stem, and an air vent for the bellows extending through said base and top plates, and one of said legs.

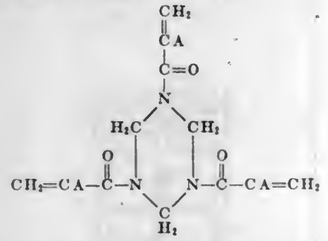
2,559,693
ANTENNA FOR BROAD FREQUENCY BAND OPERATION
Eric Osborne Willoughby, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 19, 1945, Serial No. 636,021
In Great Britain January 1, 1945
7 Claims. (Cl. 250—33.51)



7. An end fire type of antenna system for broad frequency band operation comprising a pair of conducting sheets arranged with oppositely disposed edges coplanar and spaced to form a slot, an impedance substantially equal to the characteristic impedance of said slot connected across one end of the edges of said sheets forming said slot, a source of high frequency energy, and means for feeding said antenna system with said high frequency energy at given points on the edges of said sheets.

2,559,694
ACRYLYL-TRIAZENE POLYMERIZATION PRODUCTS
Ernst Zerner and Marcel Gradsten, New York, N. Y., and Fred W. West, North Arlington, N. J., assignors to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 10, 1948, Serial No. 32,264
8 Claims. (Cl. 260—88.1)

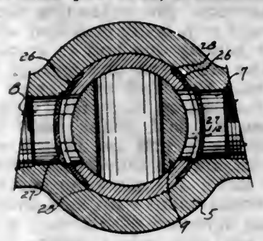
1. As a new product, a polymer of a compound of the general formula



where A is selected from the group consisting of hydrogen, halogen and lower alkyl radicals.

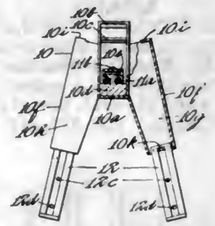
2,559,695
PLUG TYPE VALVE AND SEAL THEREFOR
Herbert Allen and Gale E. Nevill, Houston, Tex., assignors to Cameron Iron Works, Inc., Houston, Tex., a corporation of Texas
Application December 3, 1949, Serial No. 130,971
11 Claims. (Cl. 251—113)

1. In a plug type valve, a body with a flow passage therethrough formed with a recess intermediate its ends, a liner positioned within the recess with openings aligned with the flow passage, a seat surface upon the liner, a plug valve member cooperable with the seat surface for controlling the flow passage, said valve member mounted within the body for movement between open and closed positions, and a sealing means



welded between the body and liner encircling the flow passage and liner opening.

2,559,696
TRESTLE BRACKET
John E. Anderson, Minneapolis, Minn.
Application July 11, 1947, Serial No. 760,333
2 Claims. (Cl. 304—5)

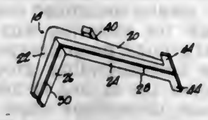


1. A device for constructing a scaffold support having in combination, a member comprising a channel adapted to receive the top member of said scaffold support, said channel being open at its top except for spaced narrow portions extending over the top of said channel at the ends thereof, a wedge engaging the bottom of said channel and having one side engaging the bottom of said top member for forcing said top member against said portions to hold the same in place, said wedge having a slot in the other side extending longitudinally thereof and said bottom having a lug of T-shape in cross section projecting into said slot for retaining and guiding said wedge, casings of rectangular cross section comprising long and short sides at the respective sides of said channel, said casings having sides at the long sides of said rectangle diverging from said channel, one side at the short side of said rectangle being perpendicular to the bottom of said channel and the other side at the short side of said rectangle being at an acute angle to the bottom of said channel, leg members in said casings, wedges disposed in said casings having one side engaging said latter sides at the short sides of said rectangles respectively and having their other sides engaging the leg members for forcing said members against the former of said sides at the short sides of said rectangles respectively.

2,559,697
MASON'S LINE HOLDER
Roy Anders, Center Township, Marshall County, Ind.
Application November 13, 1946, Serial No. 709,513
1 Claim. (Cl. 33—86)

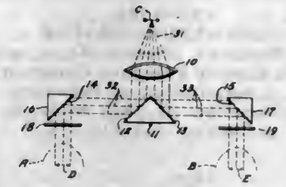
A mason's line holder comprising an L-shaped member having rigid leg portions whose inner surfaces are flat throughout their full extent and

positioned perpendicularly to each other, one leg having a central longitudinal groove in its inner surface extending the full length thereof and adapted to receive a line, the other leg having a longitudinal slot therein with which said groove communicates, a line anchoring member carried



by said first leg and projecting from an intermediate portion of the outer face thereof, and rigid wings projecting laterally from the free end of said first leg at opposite sides thereof with their inner surfaces flush with the inner surface of said first leg.

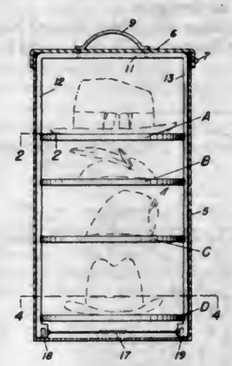
2,559,698
STEREOSCOPIC MAGNIFIER
George L. Bahre, Meriden, Conn.
Application October 6, 1949, Serial No. 119,854
2 Claims. (Cl. 88—39)



1. In a stereoscopic magnifier, a base, a magnifying objective lens of short focal length fixed with respect to said base, a pair of vertical reflecting surfaces mounted on one side of said base and disposed directly behind the respective lateral halves of said lens for reflecting rays from said lens laterally in aligned opposite directions, a pair of laterally adjustable reflecting surfaces slidably mounted on the same side of said base and laterally spaced from said first pair of reflecting surfaces for reflecting said rays rearwardly in parallel directions, and mechanism for maintaining said adjustable reflecting surfaces equidistant from said first reflecting surfaces in all stages of adjustment thereof, said mechanism comprising a pair of aligned laterally extending openings in said base, a laterally extending screw on the other side of said base having right hand and left hand threaded portions cooperatively engaged respectively in apertured lugs connected to the adjustable reflecting surfaces and extending through said openings in said base, said screw being provided with means rotatably holding it against longitudinal movement, whereby the interpupillary distance of the magnifier may be adjusted by turning said screw.

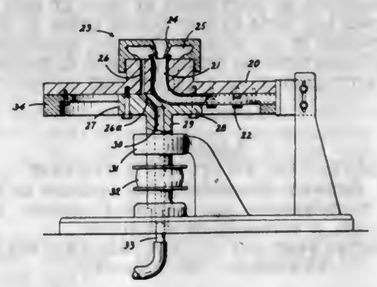
2,559,699
HAT HOLDER
Melvin Bard and Ia Lene Bard, San Francisco, Calif.
Application March 29, 1950, Serial No. 152,531
1 Claim. (Cl. 312—312)

A hat holder comprising a receptacle, a cover removably secured to said receptacle, a U-shaped frame secured to said cover and having downwardly-extending arms normally positioned in said receptacle, said arms having teeth formed on their adjacent faces, a plurality of shelves frictionally engaging such teeth so as to be adjustably carried by said arms, spring tension



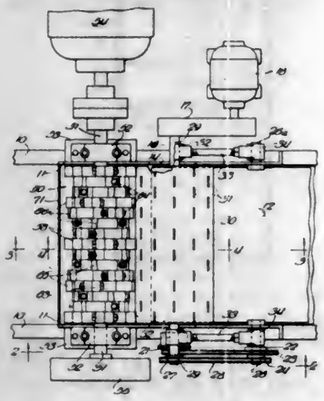
means connecting the lower ends of said arms, each of said arms having bifurcated ends for engagement individually with the top of said receptacle when said arms are withdrawn therefrom.

2,559,700
FIBER CUTTER
Ernest K. Bauer, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application September 7, 1946, Serial No. 695,448
1 Claim. (Cl. 164—38)



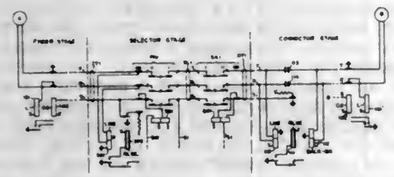
In combination with a device for cutting filamentary material of indefinite length to discontinuous lengths comprising a rotatable member, a passage for filaments through the member having an axial entrance and a generally radial exit through the periphery of the member, and means positioned adjacent the periphery of the member for cutting filaments projecting therefrom, an injector nozzle carried by the member and projecting at least partially into the axial entrance and having an annular fluid discharge opening disposed in proximity to the surrounding wall of the axial entrance, said injector having a tube centrally disposed with respect to the annular opening and having its inner end immediately adjacent the annular opening, a hollow shaft secured to the member and projecting axially from that side of the member away from the injector nozzle, passages through the member connecting the nozzle with the hollow bore of the shaft, means for rotating the shaft, and means for introducing a fluid into the bore of the shaft.

2,559,701
HOG MACHINE HAVING ROTARY CUTTER AND FEED CONVEYER
Irven S. Becker, Kelso, Wash., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application May 22, 1946, Serial No. 671,645
3 Claims. (Cl. 241—221)



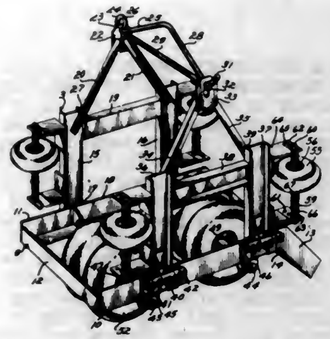
2. A rotary cutter for a hog machine comprising a shaft, a spiral series of key slots in said shaft, keys in said key slots, a pair of semicircular cutting plates each having one tooth and a pair of ears, a key slot in one of said plates, and means engaging said ears to clamp said cutting plates on said shaft in the angular position determined by one of said key slots in said shaft, there being one such clamped assemblage fixedly mounted on said shaft at each of said key slots, said key slots in said plates being in similar positions in all of said clamped assemblages and said assemblages being identical to provide a spiral arrangement of cutting teeth on said cutter.

2,559,702
SELECTOR SWITCHING SYSTEM
John I. Bellamy, Brookfield, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application February 23, 1946, Serial No. 649,595
25 Claims. (Cl. 179—18)



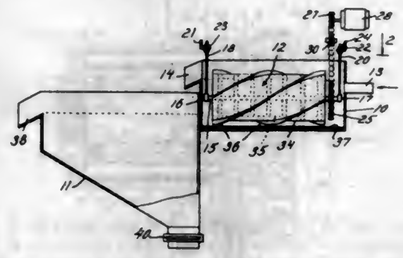
1. In a selector switching stage having first-order trunks incoming thereto and divided into subgroups, selector links thereat, and second-order trunks outgoing therefrom and divided into subgroups; switches for interconnecting the incoming trunks with the selector links, and for interconnecting the selector links with the outgoing trunks; selector links assigned to any subgroup of one order of trunks having common access, through concerned ones of said switches, to the trunks comprising such subgroup, and having access individually, through concerned ones of said switches, to separate ones of said subgroups of the other order of trunks; the second-order trunks being further divided into numerical groups each containing trunks outgoing from a plurality of said subgroups of such trunks; group controllers corresponding respectively to certain of the numerical groups, one group controller corresponding to each of a plurality of the numerical groups; means controlled over any calling first-order trunk for selecting any desired one of the numerical groups, means responsive thereto for seizing the corresponding group controller and for associating the calling trunk individually therewith; means dependent upon the selected numerical group being any one of those to which said one group controller corresponds for adapting such group controller specifically to such selected group; and means controlled by any seized group controller for operating the concerned switches to extend the calling trunk, by way of an idle selector link, to an idle trunk in any subgroup of second-order trunks, subject to any such second-order trunk being one which is outgoing to the selected numerical group, the last-named means being dependent upon the said operation of said adapting means when the called numerical group is one of those to which said one group controller corresponds.

2,559,703
PIPE LAYING CRADLE
Stephen A. Bergman, Mission, Kans., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo., a corporation of Delaware
Application December 24, 1949, Serial No. 134,937
8 Claims. (Cl. 214—1)



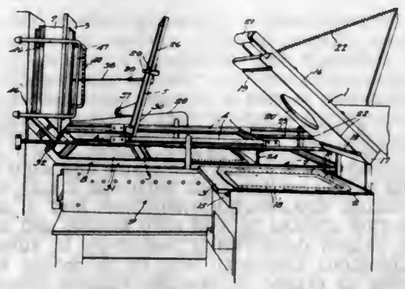
3. In a pipe laying apparatus, a pipe supporting carriage comprising a frame, spaced pairs of cushioned rollers rotatably mounted on the frame for rolling engagement with the under surface of a pipe for supporting same as the frame is moved longitudinally under said pipe, upwardly extending posts on the frame, the posts on one side of the frame being fixed thereto, the posts on the other side of the frame being hingedly mounted thereon for swinging movement away from the pipe carried on the cushioned rollers, means removably connecting the posts and adapted to be connected to a suspending means movable longitudinally of the pipe, shafts adjustably mounted on the posts for movement toward and away from the pipe cushioned rollers rotatably mounted on the shafts for rolling engagement with the sides of the pipe to eliminate relative lateral movement of the pipe and frame, and resilient means on the shafts for permitting limited movement of the second named cushioned rollers longitudinally of the shafts.

2,559,704
SEWAGE TREATMENT
John G. Bevan, New York, N. Y., assignor to Guggenheim Brothers, New York, N. Y., a co-partnership
Application January 22, 1946, Serial No. 642,686
2 Claims. (Cl. 210—8)



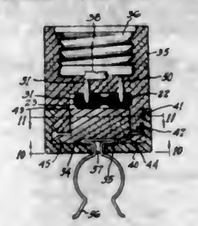
1. The improvement in the treatment of sewage containing suspended and dissolved putrescible matter which comprises forming a matrix containing oxidizing bacteria on a suitable support, flowing sewage to be purified through a suitable receptacle, alternately immersing in the flowing sewage and exposing to the atmosphere the support with the matrix of oxidizing bacteria thereon to alternately provide food and oxygen to promote the growth and propagation of the bacteria and to effect the removal of dissolved putrescible matter and the production of a settleable sludge containing suspended putrescible matter originally present in the sewage, the times and rates of immersion in the sewage and exposure to the atmosphere being such as to permit the maintenance on the support of a suitable matrix of oxidizing bacteria, the time of each exposure to the atmosphere being not longer than about five seconds and the time of each immersion in the sewage being not longer than about seven seconds, and separating the settleable sludge from the accompanying liquor.

2,559,705
APPARATUS FOR DRAWING THERMOPLASTIC SHEETS
Gustave W. Borkland, Marion, Ind.
Application July 8, 1947, Serial No. 759,610
16 Claims. (Cl. 18—19)



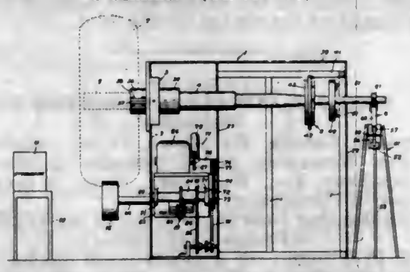
1. Apparatus for forming thermoplastic sheet material into a recessed formation comprising a die having a recess therein having a forming surface, a sheet-holding recess bounding frame for use with said forming surface, retaining means for holding on said frame a flat sheet of thermoplastic material heated to a plasticizing temperature against lateral slipping while the portion of said sheet to be formed in said die is otherwise contacted only by the atmosphere, means for effecting relative movement between said die and frame to bring a surface of the flat sheet into sealing engagement around and over the recess while said portion of said sheet to be formed is free of contact with said die and frame, means for effecting air pressure differential between the two faces of said portion of said sheet while its edges are held against slipping by said retaining means to force said portion of said sheet into the recess and against the forming surface, and means for moving said frame with the sheet material in recessed formation thereon away from said dye.

2,559,706
DECORATIVE LIGHTING FIXTURE
Linzy W. Brooks, Portland, Oreg., assignor to On-A-Lite Corporation, Portland, Oreg.
Application July 15, 1947, Serial No. 761,061
5 Claims. (Cl. 173—340)



4. In a light socket fixture, a cap having a piston element to force a conductor cord against a pair of prongs to make electrical connection with conductors in said cord, an apertured flat end wall in said cap, a mounting clip extending through said aperture and having a flat portion disposed against the inside of said wall, a flat base on said piston element disposed to bear against said portion of said mounting clip to hold the socket upright on the clip, and an integral annular abutment in said cap at a distance from said end wall and engageable with said flat base to hold said piston element and mounting clip in the cap for relative rotation of said piston element.

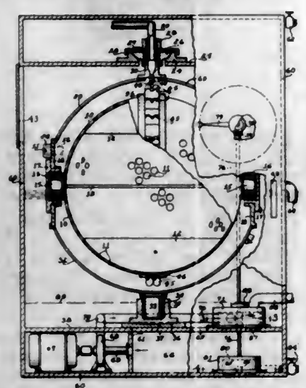
2,559,707
APPARATUS FOR DYNAMICALLY BALANCING TIRES, WHEEL ASSEMBLIES, AND THE LIKE
Roscoe E. Burke, San Jose, Marcel Periat, San Mateo, and Walter Schlichtmann, San Francisco, Calif.
Application October 15, 1946, Serial No. 703,370
4 Claims. (Cl. 73—66)



1. In an apparatus for determining the diametrical location of unbalancing centrifugal couple on a rotating body, a frame, a supporting beam element on said frame, universal fulcrum means to support said beam element on said

frame holding it against rotation, resiliently yieldable means to hold said beam element aligned in an initial position in said universal fulcrum means, said beam element extending beyond one side of said universal fulcrum means to support said rotating body, and said beam element extending on the other side of said universal fulcrum means, a stroboscope opposite the face of said rotating body, and a circuit control device actuated by said beam on said other side of said universal fulcrum and in synchronism with the cycle of shifting of said beam element under the force of said centrifugal couple on said rotating body, for actuating said stroboscope in synchronism with the cycle of deviating movement of said beam.

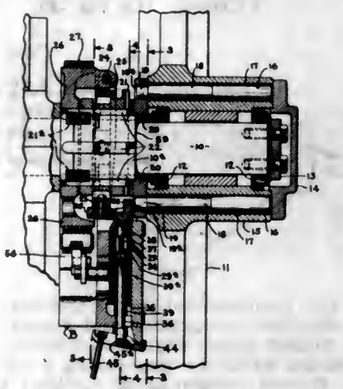
2,559,708
LAUNDRY APPARATUS FOR WASHING AND CENTRIFUGING CLOTHES
Taylor P. Calhoun, Fall River, Mass.; Ann E. Calhoun administratrix of said Taylor P. Calhoun, deceased
Application March 7, 1945, Serial No. 581,513
15 Claims. (Cl. 68—25)



3. Laundry apparatus comprising a container for cleansing fluid, a clothes basket therein, means supporting the basket for rotation about a substantially vertical axis and for universal lateral movement of the center of mass of the loaded basket towards alignment with said axis and the attainment of a running balance for an unequally distributed mass of clothes during rapid rotation thereof, mechanism for rotating the basket rapidly about said axis irrespective of any lateral movement thereof, and means for imparting rotative motion to the basket about a different axis for cleansing the clothes by said fluid.

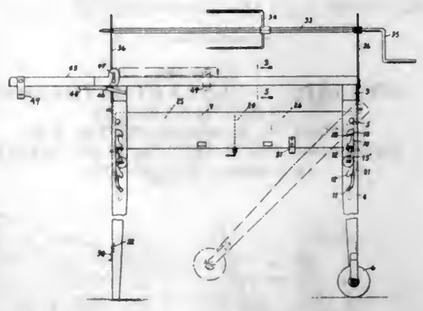
2,559,709
POSITIVE JAW CLUTCH FOR POWER PRESSES
Zenas P. Candee, Watertown, Conn., assignor to The Waterbury Farrel Foundry & Machine Company, Inc., Waterbury, Conn., a corporation of Connecticut
Application June 26, 1947, Serial No. 757,227
14 Claims. (Cl. 192—17)

1. In a clutch for a power press having a fly wheel provided with a hub, an annular driving jaw connected to said hub, a shaft, a slidable annular driven jaw keyed to said shaft and adapted to engage said driving jaw, a brake drum secured to said shaft, an open annular yoke embracing said driven jaw and pivoted to said drum, said yoke carrying a roller which is movable in a circular path, a stationary cam element for engagement by said roller to move said driven jaw away from said driving jaw to open the clutch, means



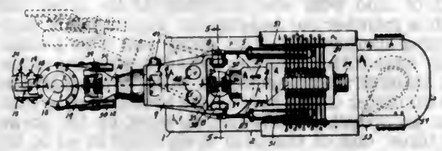
for shifting said cam element away from the path of said roller, a brake band surrounding said drum, and means to automatically contract said band upon said drum to stop the rotation of said shaft when said jaws are disengaged.

2,559,710
STOVE GRILL
August A. Danielsen, Rosedale, N. Y., assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y., a corporation of New York
Application April 24, 1946, Serial No. 664,650
3 Claims. (Cl. 126—9)



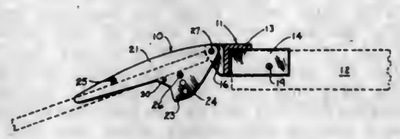
1. A stove-grill comprising a grid including a substantially rectangular frame, a pair of legs adjacent each end of said frame and each including a stub section rigid with said frame and extending downwardly therefrom and a movable section pivoted to said stub section and adapted to extend downwardly therefrom in substantial alignment therewith and to be moved on said pivot to extend in angular relation thereto beneath said frame, a fire box mounted for vertical movement between said legs, each of said legs having a vertical series of notches therein, a rod extending between the members of each pair of movable sections and having extensions adapted to selectively engage in said notches, said rod including arms extending upwardly therefrom and trunnions on the ends of said arms pivotally engaged with said fire box.

2,559,711
MINING MACHINE
Edward Isaie Dansereau, Bluefield, W. Va., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application May 5, 1945, Serial No. 592,167
7 Claims. (Cl. 262—28)



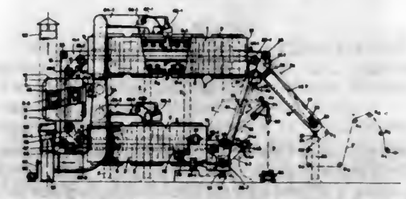
1. A mining machine comprising, in combination, a portable base, a kerf cutter, a supporting boom structure at the outer extremity of which said kerf cutter is carried, said boom structure being pivotally mounted on said base to swing in horizontal and vertical directions with respect thereto about axes respectively lying in rectangularly related straight lines which intersect to locate said kerf cutter in various positions with respect to a coal seam, a motor on said base and relative to which said supporting boom structure is swingable, and driving connections between said motor and said kerf cutter for driving the latter irrespective of its adjusted position including a universal joint connection arranged at the intersection of said straight lines so that the drive therethrough is maintained in all such positions of said boom structure.

2,559,712
HOLDER FOR VEHICLE LOADING SKIDS
Richard H. Dobbs, Winfield, Kans.
Application September 9, 1950, Serial No. 183,971
7 Claims. (Cl. 193—41)



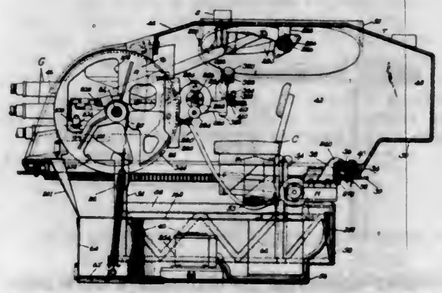
7. A skid holder including in combination a bolster equipped vehicle; a bracket rigidly connected to an end of the bolster and including a pair of horizontally spaced rigid pivot ears having aligned perforations therein; a pair of elongated skid supporting plates each having a perforation in one end; an elongated pivot pin passing through the perforations in said ears and in said plates, the plates being positioned inside said spaced ears, and being slidable toward and away from each other on said pivot pin; a second perforation near the opposite end of each plate; a first stay bolt passed through the last named perforations, the plates being slidable along the stay bolt; a third perforation in each plate at aligned points lying outside and below a plane passing through the first stay bolt and the pivot pin; and a second stay bolt passing through said third perforations, said stay bolts being adapted to draw the plates together to tightly embrace the end of a skid positioned between the plates and between said stay bolts.

2,559,713
METHOD AND APPARATUS FOR DRYING AND TENTERING-DRYING WITH RADIANT HEATERS AND AUTOMATIC CONTROL MEANS
Chaim Vital Dunski, Liege, and Georges Marie Regout, Heusy, Belgium
Application January 22, 1947, Serial No. 723,482
In Belgium August 29, 1946
6 Claims. (Cl. 34—18)



1. A method of drying a continuous travelling web of material by infra-red radiation comprising the steps of simultaneously exposing both sides of the web to infra-red rays, varying the quantity of radiation transversely of the web in proportion to the width of the material, continuously controlling the speed of travel of the web thereby to control the exposure time in proportion to the weight and quality of the material, the intensity of radiation being kept constant, sucking off the air and water vapor from the vicinity of the web, automatically controlling the rate of sucking off in proportion to the hygrometric condition of the surrounding medium, admitting fresh air to compensate for exhausted air, part of the fresh air being caused to flow along the surface of the web, thereby to cause condensation of vapor issuing from the web and to create a thin layer of humidity increasing the degree of absorption of the rays, the water vapor being progressively sucked off as it forms, and arresting the operation upon complete drying of the material or upon normal or accidental interruption of the travel of the web.

2,559,714
GUN TURRET
René E. Duplessis, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 27, 1946, Serial No. 679,827
4 Claims. (Cl. 89—37)



3. The combination with a turret rotatable in azimuth, of a gun-carrier rotatable in elevation on the turret, a plurality of guns mounted on the carrier, a portion depending from the turret having vertical walls defining ammunition-belt troughs one within another, one trough being provided for each gun, and means for elevating ammunition belts from said troughs to said guns.

2,559,715.
COMPRESSION-CONNECTING TERMINAL MEMBER

Edwin L. Earle and Richard P. Arthur, Chicago, and John I. Bellamy, Wheaton, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois

Application December 20, 1948, Serial No. 66,172
8 Claims. (Cl. 173—328)

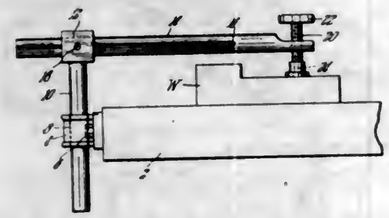


1. An electrical device for detachably connecting conductors to terminal points, said device comprising a sheet-like strip of insulating material and similar conducting spring members disposed transversely of the strip and comprising a row extending along the strip, the said strip having pairs of openings therethrough for receiving said conducting members respectively, said openings comprising two rows extending along the strip respectively adjacent to opposite edges thereof, each said conducting member having a contact portion lying on one side of the strip and extending between the two openings of its pair, each said conducting member being retained in assembled position by outwardly extending offset portions lying in engaging relationship with the other side of the strip, the offset portions of any member being connected with the contact portion thereof by angularly disposed portions positioned within the respective openings of the assigned pair, one opening of each said pair being relatively wide transversely of the strip, the length of the associated offset portion of any conducting member being less than the said width, enabling any conducting member to be sprung for insertion therein and withdrawal therefrom while the other end of such member is in assembled relationship with the strip.

2,559,716
CLAMP

Alfred E. Gaudreau, Springfield, Mass.

Application July 27, 1949, Serial No. 107,019
2 Claims. (Cl. 77—63)

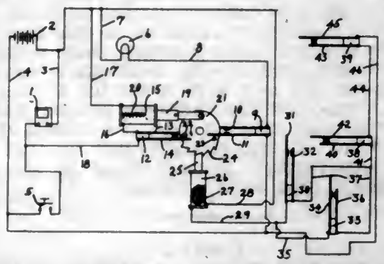


1. Clamp apparatus for clamping a work piece to the horizontal work supporting surface of a work support having a vertical side comprising in combination, a bracket for securement to the vertical side of the support provided with a vertically disposed bore for a post, an elongated post slidable up and down and rotatable in opposite directions in the bore of said bracket, a head fixed to the upper end of said post provided with a bore having a longitudinal axis disposed at right angles to the longitudinal axis of said post, an elongated arm reciprocable in said bore of the head for overlying the supporting surface and having outer and inner ends and provided with an elongated keyway, a member in said head engaging said keyway to prevent rotation of said arm in said head, and a clamp screw threadedly engaging the inner end of said arm having a longitudinal axis in substantial parallelism with that of said post and provided at its lower end with a member for bearing on work on said supporting surface and at its upper end with a manually engageable member for actuating the same, the transverse dimension of said post relative to the diameter of the bore of the bracket being such that as pressure is applied to work by the screw the inner end of the arm is elevated so as to tilt and bind the post in the bore of the bracket against movement.

2,559,717
VEHICLE SIGNAL SWITCHING MEANS

Frank W. George, Spokane, Wash.

Application September 13, 1946, Serial No. 696,849
1 Claim. (Cl. 200—105)

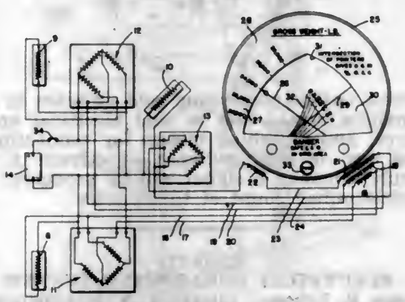


In a device of the character described, a normally open switch having a short stationary contact strip and a long movable contact strip, a disk mounted for turning movement and provided with rack teeth along its marginal edge face, the movable contact strip of said switch having its free end over-lapping a side face of said disk, an abutment pin projecting laterally from the said side face of said disk in position for engaging the free end of the movable contact strip and closing the switch when the disk is turned in one direction out of its normal position, a solenoid having its plunger yieldably held extended and pivoted at its outer end to said disk and serving to turn the disk out of the normal position and move its abutment pin to effect closing of the switch when the solenoid is energized to retract its plunger, a normally closed switch in series with said solenoid allowing energizing of the solenoid when a circuit is closed through the solenoid, the normally closed switch having a short stationary contact strip and a long movable contact strip having its free end overlapping the said side face of said disk, said disk having a second abutment pin projecting laterally in spaced relation to the first pin circumferentially of the disk and disposed in position for engaging the free end of the movable contact strip of the normally closed switch when the disk is turned by retraction of the plunger of the solenoid, a second solenoid having its plunger yieldably held extended and constituting a latch engaging the rack teeth of the disk and releasably holding the disk in its turned position, the last mentioned solenoid when energized having its plunger retracted to release the disk and permit return of the disk to its normal position.

2,559,718
WEIGHT AND CENTER OF GRAVITY INDICATOR

Edward R. Goodlett, Ferguson, and Herbert W. Wishart, University City, Mo., assignors to Curtiss-Wright Corporation, a corporation of Delaware

Application May 26, 1944, Serial No. 537,452
14 Claims. (Cl. 73—65)

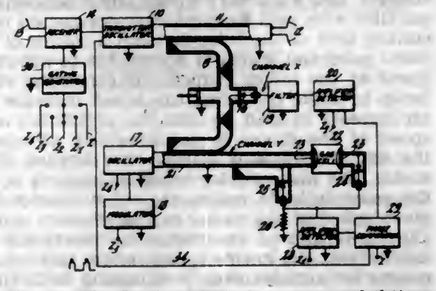


1. In an aircraft having three ground load supports, one of the supports being spaced horizontally from the other two supports in a direction substantially transverse to a line connecting said other two supports, the combination therewith of means for showing the position of the aircraft center of gravity in said substantially transverse direction, said means comprising: an electrical circuit in the aircraft for each of said supports, each circuit including means mounted upon the related support for varying the current output of the circuit in accordance with variation in load of the aircraft borne by the related support, an indicator in the aircraft and connected electrically with said circuits, said indicator having a first means movable in response to variation in total current output of all of said circuits and having a second means movable in response to current output of the circuit for said one of the supports, an indicator hand movable by each of said movable means, said indicator hands intersecting in various positions thereof, and the indicator having a scale arranged to show the position of the center of gravity of the aircraft in said substantially transverse direction as determined by the point of intersection of said hands.

2,559,719
FREQUENCY-STABILIZING METHOD AND SYSTEM

William D. Hershberger, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 25, 1948, Serial No. 51,253
14 Claims. (Cl. 332—19)

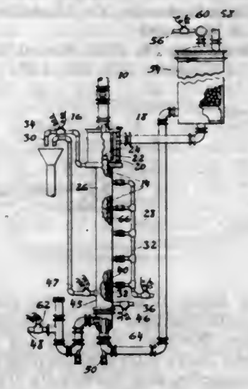


7. The method of utilizing a gas exhibiting molecular resonance for stabilizing the mean carrier frequency of frequency-modulated signals which comprises comparing the instantaneous frequency of said signals with a molecular resonance frequency of said gas only during quiescent periods of the carrier of said signals, and controlling the frequency of said signals in accordance with deviations from a preselected relation of said instantaneous and molecular resonance frequencies.

2,559,720
APPARATUS FOR TREATING GASES

Frederick L. Hunter, Lake Bluff, Ill., assignor to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York

Original application February 26, 1943, Serial No. 477,219, now Patent No. 2,436,432, dated February 24, 1948. Divided and this application January 8, 1948, Serial No. 1,174
6 Claims. (Cl. 261—11)



1. Apparatus of the class described comprising an elongated tube constructed of a metal of the class consisting of tantalum, columbium and alloys predominating in tantalum, columbium or both, said tube being arranged in a generally vertical position, a jacket for said tube, a water inlet near the base of said jacket, a water outlet near the top of said jacket, a gas inlet for the top of said tube, a liquid inlet for the top of said tube, a liquid supply line for said inlet, a valve in said supply line, a liquid outlet line for said tube, means for continuously registering the specific gravity of the liquid passing through said outlet line and means for opening said valve as the specific gravity of the out-flowing liquid increases and for closing said valve as the specific gravity decreases.

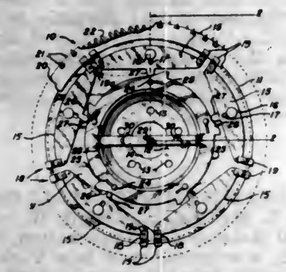
2,559,721
ICE GRIPPER FOR VEHICLE WHEELS

John J. Kruse, Waterbury, Conn.

Application May 16, 1950, Serial No. 162,192
5 Claims. (Cl. 301—47)

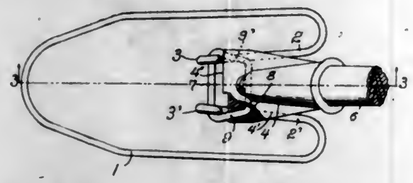
1. In an anti-skid device, a base plate adapted to be attached coaxially to a wheel, a plurality of segmental bracket plates mounted for radial sliding movement adjacent the periphery of said base plate, said bracket plates having outwardly projecting brackets providing seats which are concave in a direction radially outward of said base plate, a resilient annular member engaged in said seats and having outwardly-extending

traction elements, and means for moving said bracket plates and the annular member there-



on outwardly, whereby said traction elements may be projected radially of said device.

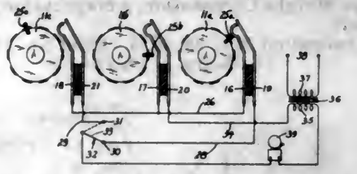
2,559,722
MOP HEAD HOLDER
Harry E. Lindstrom, Sedalia, Mo., assignor to Zephyr Manufacturing Co., Sedalia, Mo., a corporation of Missouri
Application June 24, 1946, Serial No. 678,848
1 Claim. (Cl. 15—147)



In a mop head holder of the character described, in combination with a horizontal resilient wire foot member adapted for engagement of a mop head therewith and having end portions extending inwardly and forwardly from rear ends of transversely spaced side portions and terminating respectively in transversely spaced aligned eyes, a soft rubber handle attaching member having at its upper end a socket adapted to receive a handle and laterally extending integral ribs substantially coextensive with the attaching member and terminating at the lower end in an elongated face perpendicular to the axis of the socket, the length of the face being substantially the normal spacing between the eyes, and a wire loop member having a straight side substantially coextensive with and in parallel spaced relation to the elongated face, said straight side terminating in converging end portions which extend into the elongated face and have inwardly bent aligned ends substantially parallel to the straight side and forming the other side of the loop member and said other side and at least half of the length of each end portion being imbedded in the lower portion of the rubber handle attaching member, said straight side extending through and pivoted in the eyes of the foot member.

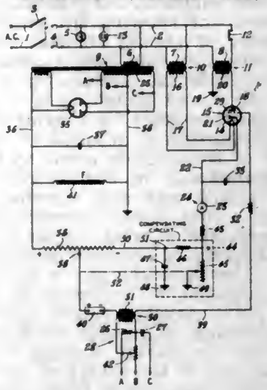
2,559,723
SIGNALING COUNTER
Anthony R. Litrell, Grant City, N. Y.
Application May 21, 1947, Serial No. 749,423
6 Claims. (Cl. 235—128)

1. In counting apparatus, the combination of a counter having a plurality of coaxial counter wheels, a support of insulating material secured to said counter, a plurality of normally open switches carried by said support and disposed in operative relationship with said respective counter wheels, cam means selectively mountable at different positions on said counter wheels corresponding to a predetermined total count for closing said respective switches, electrical signalling means, a source of electrical energy, an



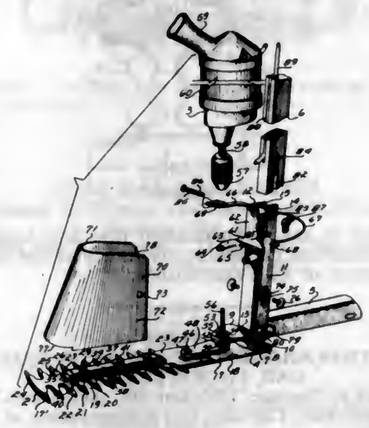
electric circuit connecting said switches to said signalling means and to said electrical energy source, and switching means for connecting at least two of said switches selectively in said circuit, whereby a signal will be produced at a predetermined count of the counter.

2,559,724
ELECTRICAL REGULATING SYSTEM
Roscoe R. Lobosco, Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application May 11, 1948, Serial No. 26,263
6 Claims. (Cl. 318—331)



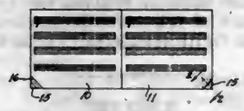
1. An electrical regulating system for governing the speed of a direct current shunt motor, comprising a thyratron type tube having an output circuit including the armature winding of said motor, a phase-shift network operatively associated with said tube, a resistor in said output circuit which tends to make the armature slow down with an increase in load during the running of the motor, and a compensating circuit consisting of a first resistor in series with said resistor, and a second resistor and a condenser in parallel with said first resistor, connected to the control grid of the tube through a source of constant potential which is adjustable to adjust the speed of the motor, which compensating circuit tends to make the armature speed increase with an increase in load, so that the regulation of the speed of the motor is not adversely affected by the starting resistor during the running of the motor, the first resistor being adjustable so that the most suitable resistance value thereof for a given speed of the motor can be chosen, whereby the regulation of the motor is practically zero throughout the entire speed range, and common means for simultaneously adjusting both the effective voltage of the source of constant potential and the effective resistance of the first resistor.

2,559,725
TRIMMING DEVICE
Richard C. Mansperger, North Kansas City, Mo.
Application April 30, 1949, Serial No. 90,737
4 Claims. (Cl. 30—216)



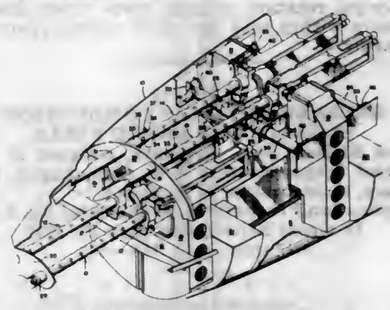
1. A trimming device comprising, a frame including an upwardly extending channel, a flat elongated stationary cutter blade having one end secured to the bottom of the frame, teeth in the side edges of said stationary blade, a movable cutter blade sliding on the upper surface of the stationary blade, teeth in the side edges of said movable blade, a crank shaft rotatably mounted in the frame perpendicularly to the blade, a crank pin on said crank shaft and eccentric to the axis of rotation, a pitman having one end pivotally connected to the movable blade and the other end rotatably mounted on the crank pin, a motor removably secured to the frame and having a vertically arranged driving shaft on the lower end thereof, a handle on the motor and extending therefrom, means on said motor shaft for effecting driving connection with the crank shaft whereby operation of the motor effects reciprocation of the movable blade to shear material between the teeth of the blades, and a handle in the upwardly extending channel having one end pivotally mounted adjacent the lower end thereof and adapted to be swung from the channel to extend therefrom oppositely to the cutter blade for use with the handle on the motor for manipulating the trimming device.

2,559,726
MUSIC PAGE AND HINGED CORNER TAB THEREFOR
Donald R. McPherson, Portland, Oreg.
Application January 16, 1948, Serial No. 2,725
7 Claims. (Cl. 281—38)



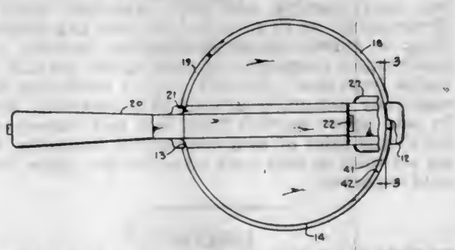
3. In a page for a music book and the like, a beveled bottom corner on said page, and a triangular tab attached to said page in edge to edge relation by a hinged joint and adapted to fold back flat against said page, said tab having sufficient weight in relation to the flexibility of the hinge to fall freely from said folded position to form a bottom corner on the page in alignment with its bottom and side edges.

2,559,727
AIRCRAFT ARMAMENT ASSEMBLY
Edward J. Meyer, Normandy, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application May 21, 1945, Serial No. 594,975
12 Claims. (Cl. 89—37.5)



5. In combination in an aircraft having an elongated gun compartment in which a gun is arranged, a gun carriage extending transversely of the elongated gun compartment and arranged for supporting said gun in its normal firing position, means pivotally connecting said gun carriage at its opposite ends with the aircraft to provide pivotal movement of the same selectively about either of said opposite ends to a selected displaced position in which said gun is moved out of said normal position, and means for retaining said gun carriage in the selected dsplaced position.

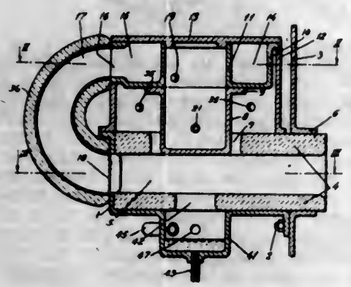
2,559,728
PRESSURE COOKER
Willard L. Morrison, Jr., Chicago, Ill., assignor to West Bend Aluminum Co., West Bend, Wis., a corporation of Wisconsin
Original application June 25, 1947, Serial No. 756,911. Divided and this application July 3, 1948, Serial No. 36,891
2 Claims. (Cl. 220—55)



1. In a pressure cooker, a container having a container handle, a first lug on said container at the juncture of said handle and said container, a second lug on said container opposite said first lug, said lugs each having lips projecting inwardly of said container, a cover for said container having a laterally and circumferentially extending rim insertible under said lips to be engaged thereby to hold said cover on said container, a cover handle on said cover to rotate said cover by relative movement of said handles, a single opening in said rim adjacent said cover handle whereby with said handles spaced said rim may be inserted under said second lug and said opening passed down over said first lug to position said cover on said container, movement of said handles together thereafter bringing said rim beneath both lugs to lock said cover, a recess in the

top of said rim substantially opposite said opening, said recess being slightly longer than said second lug and having a locking edge diametrically opposite the central portion of said opening whereby said locking edge will be in engagement with said second lug when said opening is only partially beneath said first lug to prevent unlocking rotation of said cover when there is pressure within said container urging said cover upwardly.

2,559,729
REGENERATIVE GAS COMBUSTION FURNACE FOR LIQUID FUELS
Alfred Nielsen, Soro, Denmark, assignor to Universal Oilgas Heating A/S, Copenhagen, Denmark, a corporation of Denmark
Application February 11, 1948, Serial No. 7,581
In Great Britain February 19, 1947
9 Claims. (Cl. 158—64)

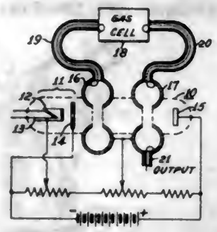


1. An oil gas burner, comprising a housing, a combustion chamber within said housing, the upper wall of said chamber defining a partition between the upper and lower portions of said burner, the lower portion constituting the combustion chamber, an outlet from said combustion chamber at one end thereof, an inlet at the opposite end thereof, said partition having an opening therein, a vaporizer mounted in said upper portion and extending into said opening to be exposed to heat in said combustion chamber, said opening and said vaporizer being so dimensioned as to form an annular gap between them to constitute communication between said combustion chamber and said upper portion, an outlet from said vaporizer, a duct extending substantially annularly around said vaporizer within said upper portion from said last-named outlet to the inlet of said combustion chamber, and an air inlet in said duct adjacent the outlet from said vaporizer.

2,559,730
METHOD OF AND SYSTEM FOR STABILIZING MICROWAVE OSCILLATIONS
Lowell E. Norton, Princeton Junction, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1948, Serial No. 5,603
17 Claims. (Cl. 250—36)

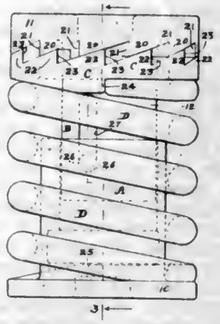
1. The method of utilizing the molecular resonance characteristics of a microwave absorptive gas to stabilize the frequency of a microwave generator having a feedback loop which comprises impressing the feedback energy upon a body of gas exhibiting molecular resonance at the desired operating frequency of said generator, and controlling the phase of the feedback by the resulting impedance effects of said gas.

10. A frequency-stabilized oscillator system comprising an oscillator tube having at least two resonant cavities, a transmission line coupling two of said cavities for feedback of energy sustaining generation of oscillations, and a cell



coupled to said transmission line and including gas exhibiting molecular resonance at the desired frequency of said oscillations.

2,559,731
FRICTION SHOCK ABSORBER FOR RAILWAY CAR TRUCK SPRINGS
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application July 19, 1948, Serial No. 39,413
4 Claims. (Cl. 267—9)



1. In a friction shock absorber, the combination with a friction shell; of a friction post slidingly telescoped within the shell, said post and shell having interengaging, lengthwise extending straight portions provided with cooperating straight friction surfaces; a rotatably displaceable member surrounding the outer end portion of said post; a coil spring surrounding said shell and post and having shouldered engagement with said shell and member to yieldingly oppose relative lengthwise movement thereof toward each other, and transmit rotary motion from one to the other; and means on said post for wedging said member in rotary direction against said spring, as the post is moved inwardly of the shell, to press the friction surfaces of said shell and post into tight frictional contact with each other.

2,559,732
AIRPLANE ANCHOR SCREW KIT
Wright J. Padgett, Wichita, Kans.
Application February 13, 1948, Serial No. 8,113
2 Claims. (Cl. 206—46)

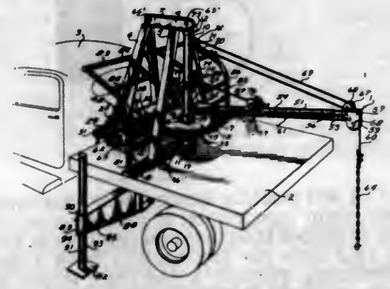
1. An anchor kit composed of a plurality of separate helical anchoring members, each having spaced coils terminating at one end in an eye, two of said members being coaxially nested together with the eyes thereof in side to side rela-

tion and another of the members being turned reversely with the coils turned within the nested



members to retain the members in coaxial compact assembly.

2,559,733
LOAD HOISTING DEVICE
Raymond O. Pitman and Raymond F. Pitman, Kansas City, Mo.
Application November 7, 1949, Serial No. 125,924
4 Claims. (Cl. 212—66)



1. A hoisting device comprising, a frame mounted on a support, said frame having a ridge rail extending outwardly from said frame, a boom supporting upright mast having its lower portion rotatably mounted on said support, means on said extending ridge rail rotatably supporting the mast adjacent its upper end, a platform rigidly secured to said frame, a pulley mounted on said mast having its axis in substantially vertical position, a cylinder horizontally mounted on said support in substantial horizontal alignment with the pulley on said mast, a piston in said cylinder, rods secured to the opposite sides of said piston and extending outwardly through the respective ends of said cylinder, a pulley on the outer end of each rod, a cable engaging over the pulley on the mast and said pulleys on said rods, means for securing the free ends of the cable in fixed relation to said cylinder, fluid means for operating said piston in said cylinder for rotating said mast, said pulley on said mast having two grooves, and a slot in one side of said last named pulley connecting said grooves for accommodating said cable in substantial alignment therewith.

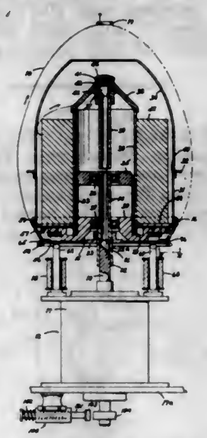
2,559,734
SPINNING DEVICE
Edward S. Reid, Hartsville, S. C., assignor to Sonoco Products Company, a corporation of South Carolina
Application October 16, 1950, Serial No. 190,258
7 Claims. (Cl. 57—75)

1. In a spinning frame having a winding spindle and a traveler carried on a traveler ring, the improvement comprising, a plurality of magnets supported on said spindle and disposed to induce a plurality of magnetic fields around said spindle, a traveler ring of non-magnetic material and a traveler of magnetic material supported on said ring in such relation to said spindle that said traveler is urged radially inward by the magnetic forces of said magnets to overcome partially the centrifugal force on said traveler during opera-



tion and thereby reduce the friction of said traveler on said ring and accordingly increase the allowable speed of said traveler.

2,559,735
STRAND TWISTING MACHINE
Ingham S. Roberts, Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application December 16, 1947, Serial No. 791,963
7 Claims. (Cl. 57—58)



1. A two-for-one twisting machine comprising a spindle, electrical means for driving the spindle, a flyer fixed on the spindle, a supply package holder mounted on the spindle and rotatable relative thereto and provided with magnetic means, stationary electromagnetic coil means spaced with respect to the holder on the opposite side of the flyer for cooperating inductively with said magnetic means for maintaining the holder stationary, a tensioning device supported by the supply package holder, an electrically operated braking means for the spindle, electrical means electrically connected with the coil means and responsive to variations in the impedance of the coil means resulting from changes in the spacing between the magnetic means and the coil means for simultaneously operating the braking means and

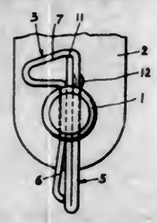
stopping the flow of electrical current to the driving means upon a predetermined change of said impedance, and an alternating current source for energizing the electromagnetic coil means and the electrical means.

2,559,736
LATCH
William M. Scarborough, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application November 27, 1945, Serial No. 631,108
4 Claims. (Cl. 292—226)



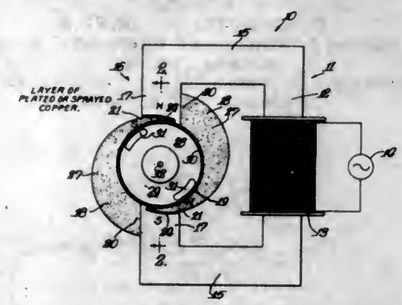
1. In a latch mechanism, a member having spaced extensions and a keeper extending therebetween in spaced relation to said member, a second member provided with spaced flanges having recesses constituting a seat for said keeper and fingers to enter between said extensions, a cam latch for engaging a face of said keeper substantially opposed to the seat and a pivot pin for the latch extending between and carried by said flanges, a pin assembly extending between and carried by said flanges, said pin assembly including a torsion spring having engagement with the keeper for urging the latter from said seat, spring means for urging the latch in one direction into engagement with the keeper for camming the latter into seated relation in said recesses, and the said latch having a part engageable with said pin assembly to limit movement of the latch in the opposite direction.

2,559,737
SELF-LOCKING COTTER KEY
Frederic Schaefer, Pittsburgh, Pa., assignor to Schaefer Equipment Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 8, 1949, Serial No. 103,567
2 Claims. (Cl. 85—8.1)



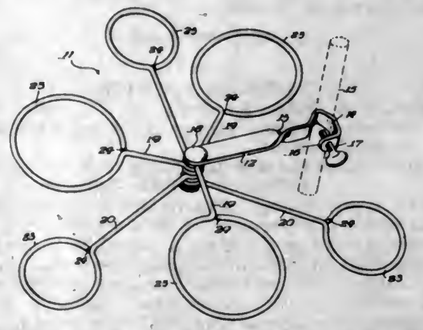
1. A cotter key formed from a metal strip substantially uniform in thickness throughout its length which is bent to provide a pair of vertical legs connected at their upper ends by a deformable loop, one of said legs being longer than the other one and extending upward beyond it and having inner and outer portions formed by doubling the strip upon itself to stiffen the longer leg, said inner portion having a free upper and inside the loop substantially in engagement with the upper inner surface thereof, and the lower end of the shorter leg being free and bent inwardly beneath the lower end of the double leg, whereby when the key is inserted in an object with its opposite ends projecting therefrom and the portion of the loop at the upper end of the double leg is struck downward the loop will be compressed and the lower end of the double leg will be driven downward past the inwardly bent lower end of the other leg to bend the latter away from the double leg.

2,559,738
SYNCHRONOUS ELECTRIC MOTOR CONSTRUCTION
Edmund O. Schweitzer, Jr., Northbrook, Ill.
Application May 1, 1948, Serial No. 24,587
10 Claims. (Cl. 172—278)



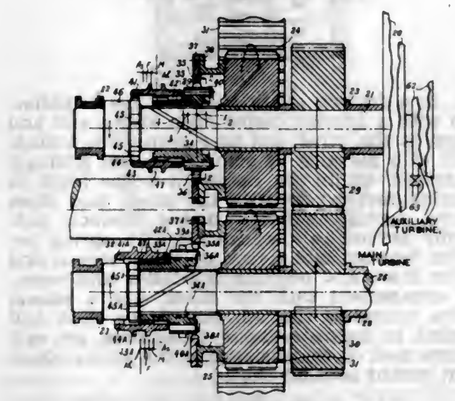
1. A self starting single phase alternating current motor comprising, in combination, a generally C-shaped laminated magnetic core, a winding on said core for energization from a source of alternating current, a one piece stator of magnetic material having a pair of pole members engaging and constituting extensions of the ends of said C-shaped core, and a polar projection extending from each pole member to the other and integral with both and together defining a cylindrical opening having a continuous surface, each pole member being coextensive with a minor portion of said cylindrical opening and each polar projection spanning the principal portion of the space individual thereto between said pole members, each polar projection extending beyond the edge of the other pole member and separated therefrom by a gap to merge the out of phase fluxes and effect a gradual transition therebetween; and a rotor of magnetic material mounted for rotation in said opening.

2,559,739
INSTRUMENT HOLDER
Sidney H. Sherman, Chicago, Ill.
Application November 4, 1947, Serial No. 783,877
3 Claims. (Cl. 211—70)



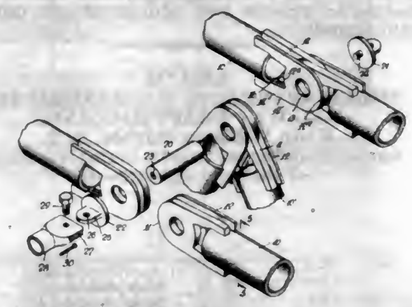
3. A compactly foldable support stand comprising a sheet metal strip forming a mounting bar, said strip having a curled and offset portion forming an attaching clamp at one end of said bar, means forming a pivot on said bar in spaced relation with respect to said clamp, a plurality of support members of like size and configuration and adjustably supported on said pivot for relative angular movement thereon, with respect to each other and said bar, whereby the stand may be adjusted to open position in which the members and bar extend each in a different direction radially of the pin, said members comprising mounting portions connected on said pivot, and loop portions spaced from said mounting portions a distance such that, when said members are disposed in folded relationship, on said pivot, in alignment with said bar and each other, the aligned loop portions of said members form an enclosure within which said curled and offset clamp forming portion is received and housed, to thereby present the support stand in compact conveniently pocketable condition when in folded relationship, and additional support members angularly adjustable on said pivot and having portions spaced from said pivot a distance such that said portions may extend across said loop portions at an end of said enclosure to enclose said end when the stand is in folded relationship with said additional member in alignment with said plurality of support members radially of the pivot.

2,559,740
POWER-TRANSMISSION MECHANISM
Harold Sinclair, London, England
Application September 14, 1948, Serial No. 49,166
In Great Britain September 16, 1947
12 Claims. (Cl. 74—339)



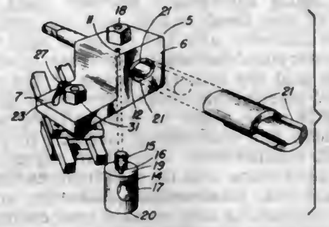
1. A power-transmission mechanism having a driving member which is capable of exerting substantial driving torque in only a forward direction of rotation, a driven member required to be driven alternatively in the forward and backward directions of rotation at will, gearing providing in parallel between said members a forward-drive power path and a reverse-drive power path, each of said paths having a selecting clutch disengageable for bidirectionally freeing the drives through said paths and engageable for establishing the drives through said paths, auxiliary driving means for rotating said driving member in the reverse direction at a speed of the same order as its normal speed in the forward direction, and control means operable for energising said auxiliary driving means which, while said driven member is running in consequence of engagement of either one of said selecting clutches, and on disengagement of said one clutch, serve to accelerate said driving member in the reverse direction of rotation to a speed sufficient to synchronise the other of said selecting clutches.

2,559,741
BUILDING STRUCTURE
Konrad Wachsmann, New York, N. Y., assignor of one-fourth to Charles Wohlstetter and one-fourth to Albert Wohlstetter, New York, N. Y.
Application October 25, 1945, Serial No. 624,544
1 Claim. (Cl. 287—54)



An element of a knockdown building structure, comprising a metal tube having eye plates rigidly affixed to the extremities of the tube and protruding therebeyond, said eye plates being of the same contour but of different thickness, each eye plate comprising a yoke with arms straddling the end of the tube and having a shoulder abutment against the extremity of the tube and attached thereto, the inner face of one of said eye plates being substantially in the axial plane of the tube, the other eye plate being parallel thereto and spaced therefrom by substantially the thickness of said first eye plate.

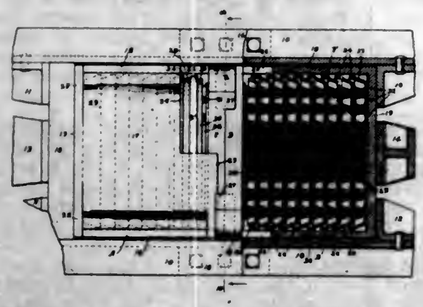
2,559,742
TOOLHOLDER
Maynard E. Waters, Norwich, N. Y.
Application May 12, 1950, Serial No. 161,669
2 Claims. (Cl. 279—9)



1. A tool holder including, in combination: a housing of block-like configuration having a lower horizontal extension, said housing horizontally and vertically bored, and having a pair of smaller bores, extending from the central bore; a yoke of less length than the vertical bore of the housing having a vertically extending shank and a stem journaled in said housing and precluded against rotatable movement by the said stem, said yoke horizontally bored to register with the horizontal bore of the housing; split sleeves of slightly varying diameters receivable in the registering bore of the yoke and the housing; a nut threaded to mate the shank of the yoke; said lower horizontal extension provided with a central bore and an offset segmented slot; a cen-

trally bored base plate beneath the said extension provided with a bolt fixing for travel in the segmented slot, the bottom portion of said plate provided with shoulders; a clamping plate therebeneath provided with an upwardly extending bolt extending through the base plate and the flange extension of the housing and provided with a nut threaded thereon; one of the split sleeves adapted to receive and hold a tool therebetween upon tightening of the nut threaded on the shank of the yoke; and the said yoke adapted to be raised and lowered upon changing the split sleeve to one having a different diameter and the tool rotated to provide two additional and different adjustments.

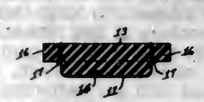
2,559,743
SHOCK ABSORBING MECHANISMS FOR RAILWAY DRAFT RIGGINGS
Keith Williams, Buffalo, N. Y.
Application August 7, 1946, Serial No. 688,860
12 Claims. (Cl. 213—45)



5. In a shock absorbing mechanism, the combination with front and rear follower casings having follower means at the outer ends thereof, said casings being relatively movable toward and away from each other lengthwise of the mechanism; of front and rear intermediate followers, said front intermediate follower being lengthwise movable with respect to the front casing, and said rear intermediate follower being lengthwise movable with respect to said rear casing; a cushioning element in each casing, one of said elements being interposed between said follower means of the front casing and the front intermediate follower, and the other of said elements being interposed between said rear intermediate follower and the follower means of the rear casing, said intermediate followers being in engagement with each other to transmit the actuating force from one cushioning element to the other to effect compression thereof in series; a rearwardly projecting arm on said front casing spaced from said rear intermediate follower; and a forwardly projecting arm on said rear casing spaced from said front intermediate follower, said arms of said front and rear casings being engageable with said rear and front intermediate followers respectively to compress said elements in parallel after a predetermined compression of the mechanism.

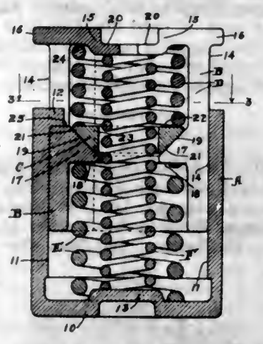
2,559,744
PAPER HOLDER FOR DRAFTSMEN
James W. Wilt, Taft, Calif.
Application September 16, 1946, Serial No. 697,260
3 Claims. (Cl. 24—67)

1. Means for temporarily attaching a sheet of paper to a flat surface comprising a holder formed of resilient elastic material and having a block-like central portion with a flat horizontal bottom and the sides rising therefrom, said holder having wings integral at one end therewith and positioned adjacent to two opposite sides thereof,



and a piece of flexible tape having a non-drying adhesive lower surface lying beneath the flat bottom of said central portion and having its ends bent upwardly between said sides and said wings.

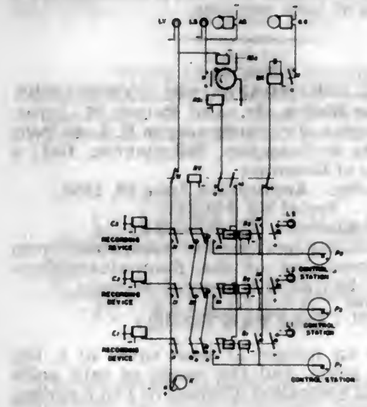
2,559,745
SHOCK ABSORBER FOR RAILWAY CAR TRUCKS
William E. Withall, Hinsdale, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 22, 1949, Serial No. 134,463
3 Claims. (Cl. 267—9)



1. In a friction shock absorber, the combination with a friction casing open at one end and closed at the other end by a transverse bottom wall; of a plurality of elongated shoes slidingly telescoped within the casing; a wedge block in wedging engagement with the shoes, said shoes having spring abutment means thereon outwardly beyond said wedge block; a spring reacting between said spring abutment means and wedge block and pressing the latter into wedging engagement with the shoes; and a second spring extending through said wedge block and bearing at opposite ends, respectively, on said bottom wall of the casing and the spring abutment means of said shoes.

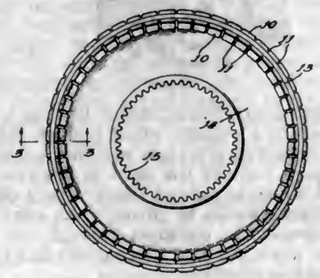
2,559,746
ARRANGEMENT FOR NIGHT WATCHMAN CONTROLS
Lars Folke Bertil Ahlberg, Ektorp, and Sven Torvald Fredrik Sundberg, Stockholm, Sweden, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application April 15, 1949, Serial No. 87,764
In Sweden April 26, 1948
5 Claims. (Cl. 177—360)

1. In a signalling circuit for recording the rounds of night watchmen, a plurality of spaced apart call boxes, a relay for each call box, a local circuit for each call box and relay and normally holding the relay operated, a first load circuit for each relay including a tape recorder, a supervisory relay, and a dual branch second load circuit including contacts of all of said call box relays and the winding of said supervisory relay whereby said supervisory relay is released when at least two of said call box relays have been released and



is operated again as soon as one of the two call box relays is operated.

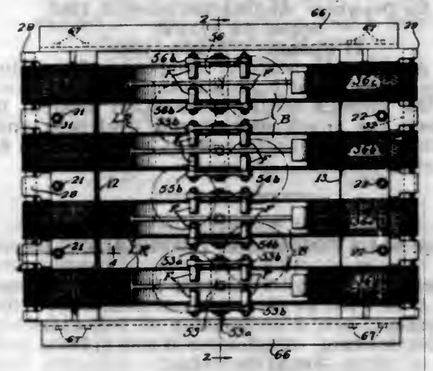
2,559,747
PRODUCTION OF CONE CLUTCH MEMBERS
Clyde S. Batchelor, Upper Stepney, and Frederick C. Stanley, Fairfield, Conn., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application June 4, 1948, Serial No. 31,056
4 Claims. (Cl. 154—81)



1. The method of forming a conical friction element which comprises heating a pre-form, composed of a molded and densified friction material composition flat ring having radial surface grooves and containing a heat-hardenable binder in but partially cured condition, to plasticize said binder and shaping said ring while in heated condition to frusto-conical form while maintaining its opposed faces in substantially parallel relationship to each other and cooling it while restraining it in said new shape.

2,559,748
APPARATUS FOR BONDING BRAKE LININGS TO BRAKE SHOES
Clyde S. Batchelor, Upper Stepney, and Edward L. Carey, Bridgeport, Conn., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application September 24, 1949, Serial No. 117,668
11 Claims. (Cl. 154—1)

1. In an apparatus for bonding a brake lining to a brake shoe, a pair of rails disposed in fixed spaced parallel relation, a flexible element fixedly secured at its ends to said rails and having its medial portion depending downwardly in the form of a sling to receive and support a brake



lining and brake shoe assembly; and a power actuated mechanism to engage the inner face and medial portion of a brake shoe rim to tightly engage said brake lining and brake shoe assembly against the sling portion of said flexible element.

2,559,749
FLUORINATED ALIPHATIC PHOSPHATES AS EMULSIFYING AGENTS FOR AQUEOUS POLYMERIZATIONS
Anthony F. Benning, Woodstown, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1950, Serial No. 171,247
8 Claims. (Cl. 260—92.1)

1. In the polymerization of a monomeric, ethylenically unsaturated organic compound in an aqueous medium to obtain a colloidal dispersion of polymer, the step of carrying out said polymerization in the presence of a water-soluble polymerization initiator and, as a dispersing agent, a compound having the formula

$$(B(CF_2)_nCH_2)_2A$$

wherein B is from the group consisting of hydrogen and fluorine, n is an integer from 2 to 4, inclusive, and A is a phosphate group, said compound having a solubility in water of at least 0.1% at 100° C.

2,559,750
AQUEOUS COLLOIDAL DISPERSIONS OF POLYTETRAFLUOROETHYLENE AND THE FORMATION OF SHAPED STRUCTURES THEREFROM
Kenneth L. Berry, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 27, 1949, Serial No. 107,136
8 Claims. (Cl. 18—54)

5. Process which comprises extruding an aqueous colloidal dispersion of polytetrafluoroethylene as set forth in claim 1, into a coagulating medium to form a shaped structure and thereafter sintering said shaped structure at a temperature above 327° C.

2,559,751

FLUOROALKYLSULFURIC COMPOUNDS

Kenneth Lester Berry, Hockessin, and James Arthur Bittles, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 29, 1950, Serial No. 171,242
11 Claims. (Cl. 260—458)

1. A fluoroalkylsulfuric compound from the group consisting of fluoroalkylsulfuric acids having the formula $B(CF_2)_nCH_2OSO_3H$ wherein B is from the group consisting of hydrogen and fluorine and n is an integer at least equal to 4, and salts thereof.

2,559,752

AQUEOUS COLLOIDAL DISPERSIONS OF POLYMERS

Kenneth L. Berry, Hockessin, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 6, 1951, Serial No. 214,223
22 Claims. (Cl. 260—29.6)

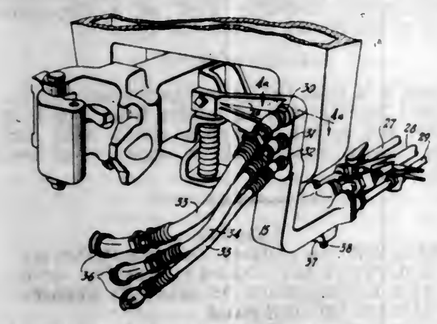
18. A stable aqueous colloidal dispersion of the polymer of a monomeric ethylenically unsaturated organic compound, said dispersion containing, as an ionizable dispersing agent, a compound having a solubility in water of at least 0.1% at 100° C. and comprising an ionic hydrophilic portion and a hydrophobic portion, said latter being a fluoroalkyl group containing at least 6 aliphatic carbon atoms, all except at most one of which, and that one the closest to said solubilizing group, bearing at least 2 fluorine atoms, the terminal carbon atom bearing in addition an atom from the group consisting of hydrogen and fluorine.

2,559,753

ADAPTER MEANS FOR SUPPORTING THE AIR LINES OF RAILROAD CARS

Thomas H. Birch and Vernon L. Green, Milwaukee, Wis.

Application May 4, 1949, Serial No. 91,298
2 Claims. (Cl. 285—210)



1. Adapter means for the longitudinally disposed air lines and air hoses of a railroad car provided at its end with a coupler carrier comprising an apertured portion disposed at one side, beneath the coupler carrier and arranged in the horizontal plane of the respective air lines of the car and adapted to receive the ends of said lines, said portion having a laterally disposed arm whereby the portion is secured to and supported by the coupler carrier, a vertically disposed apertured portion arranged substantially in the horizontal plane of the car coupler knuckle and outwardly of said first mentioned portion and adapted to have the inner ends of the air hoses secured to its apertures with air conveying ducts between the apertures of both portions.

2,559,754

FLUOROALKANEPHOSPHONIC COMPOUNDS

James Arthur Bittles, Jr., and Robert M. Joyce, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 29, 1950, Serial No. 171,243
7 Claims. (Cl. 260—500)

1. A fluoroalkanephosphonic compound from the group consisting of the fluoroalkanephosphonic acids having the general formula

$$H(CF_2—CF_2)_nPO(OH)_2$$

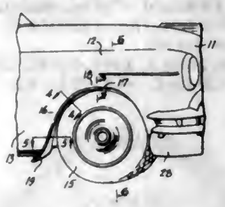
wherein n is an integer at least equal to 1, the salts of said acids, and the esters of said acids with alkyl and cycloalkyl alcohols of 1 to 6 carbon atoms, inclusive.

2,559,755

FENDER EXTENSION

William G. Bratz, Easton, Conn.

Application March 8, 1950, Serial No. 148,305
6 Claims. (Cl. 280—152)



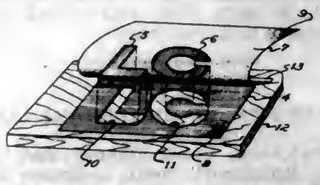
1. A splash guard for a fender having a skirt located adjacent a vehicle wheel housed beneath the fender, comprising a body member supported along the front edge of the skirt at the rear side of the front wheel to extend transversely thereto and of sufficient width to project one edge outwardly a substantial distance beyond the skirt to guard the outer surface thereof against splash from the vehicle wheel.

2,559,756

PREFORMED SIGN UNIT

Homer G. Buck, Los Angeles, Calif., assignor to By-Buk Company, a copartnership consisting of Homer G. Buck and Ollie U. Chambers

Application January 15, 1948, Serial No. 2,537
3 Claims. (Cl. 154—46.8)



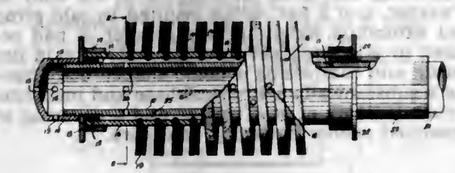
1. A preformed sign unit comprising a thin sheet back-ground piece formed with openings the margins of which define sign elements, sheet contrasting sign element inserts set in said openings and extending flush with the back-ground piece, forming a sign unit assemblage, and an absorptive supporting sheet adhered by a water soluble adhesive to the frontal faces of said back-ground piece and insert assemblage in superficial contact therewith.

2,559,757

TUBE CLEANING BRUSH

William Chandler, Pittsburg, Tex., assignor of one-half to W. Clyde Hull, Pittsburg, Tex.

Application March 12, 1946, Serial No. 653,784
1 Claim. (Cl. 15—104.2)



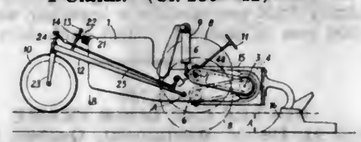
A brush device for cleaning the inside of tubes, comprising an inner elongated cylindrical pipe having a plurality of spaced radial openings and being externally screw threaded at both ends, an internally and externally screw threaded nipple mounted upon one externally screw threaded end of said pipe, a nipple having internal screw threads only mounted upon the other screw threaded end of the pipe, an outer elongated cylindrical pipe engaging over the nipples and having its ends flush with the outer ends of the nipples, the outer pipe being internally and externally screw threaded at its end adjacent to the internally and externally screw threaded nipple and externally screw threaded only at its other end, the outer pipe being provided with a spirally arranged group of radial openings arranged over substantially the entire length of the outer pipe, radially extending bristles secured within the spirally arranged group of openings and forming a substantially continuous elongated cylindrical spiral-shaped brush, the outer pipe being provided with a plurality of radial openings between the spiral convolutions of the brush and axially extending slots formed in the end of the outer pipe which is externally screw threaded only, said slots extending near the longitudinal center of the outer pipe, the outer and inner pipes and the nipples forming an elongated annular space between the outer and inner pipes which is closed at both ends by the nipples, outer internally screw threaded nipples mounted upon the externally screw threaded ends of the outer pipe and having their outer ends flush with the outer ends of the first-named nipples and with the ends of the outer pipe, one of said outer nipples serving to clamp the end of the outer pipe having the slots against the adjacent nipple of the inner pipe, each of the ends of said inner pipe extending beyond and spaced from the adjacent end of said outer pipe, a washer mounted upon each of the projecting ends of said inner pipe and engaging the outer ends of the first and second named nipples and the adjacent ends of the outer pipe, the outside diameter of the washers being slightly less than the outside diameter of the brush, an internally screw threaded cap mounted upon one of the projecting ends of said inner pipe and serving to clamp the adjacent washer against the adjacent nipples and outer pipe, and an internally threaded sleeve mounted upon the other of the projecting ends of said inner pipe and serving to clamp the adjacent washer against the adjacent nipples and outer pipe and adapted for attachment to a source of steam supply.

2,559,758

POWERED AGRICULTURAL TRACTOR AND WHEEL ADJUSTING MECHANISM THEREFOR

Albert de Jouëtte, Toulon, France

Application August 1, 1947, Serial No. 765,536
In France July 25, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 25, 1966
1 Claim. (Cl. 180—41)



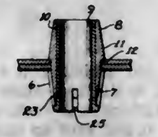
An autocultivator having in combination a motor unit, a supporting bracket for said motor unit pivoted by its rear end thereto so that said bracket can pivot in a vertical plane with respect to the motor unit, a steerable front wheel supported in the front end of said bracket, a sector fast to said front end and a stop fast to the motor unit engaging releasably with said sector to permit the steerable front wheel to be adjusted in vertical position relatively to the motor unit, a motor seated in the motor unit, rear motorised wheels driven by said motor and mounted one at each side of the motor unit, a driving connection between the motor and the motorised wheels consisting of transmission and differential means coupled to the motor, a pair of co-linear rear driving shafts coupled to the differential means, a rear axle casing for said shafts fast to the motor unit, a pivotable gear case pivoted at one end to each extremity of said axle casing so as to be independently movable in a vertical plane about the axis of the shafts and each carrying at their other end one of the motorised wheels, coupling means in said gear cases for coupling each motorised wheel to one of the shafts, a hydraulic jack for each motorised wheel secured at the side of the motor unit, and a movable piston in each jack connected to that end of the respective gear case which carries a motorised wheel, whereby operation of each jack causes the respective gear case to pivot and alter the level of its motorised wheel with respect to the motor unit.

2,559,759

GROMMET

Jan de Swart, Los Angeles, Calif., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

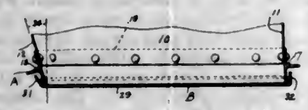
Application October 22, 1945, Serial No. 623,809
2 Claims. (Cl. 16—2)



1. A self-locking grommet comprising a body member having a cylindrical outer surface and an integral outer split skirt connected at the end of said body member and overlying said cylindrical outer surface thereof, said skirt being axially rigid and the free edges thereof forming an abutment shoulder adapted to be positioned in engaging relation with one side of the wall when the grommet is arranged in clamping position in an apertured wall, a clamping outer sleeve axially slidable over said cylindrical outer surface of said body member in frictional en-

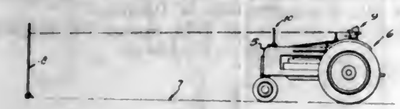
gagement therewith and including a tapered end portion adapted to enter between said skirt and said cylindrical outer surface to expand said skirt, an exterior abutment shoulder intermediate the ends of said outer sleeve adapted to engage the opposite face of said wall, said tapered end being slit to divide the same into a plurality of tongues, a locking projection on one of said tongues and said body member having a slot for receiving said locking projection to permanently lock the members together when said tapered end is wedged within said skirt.

2,559,760
HOPPER CAR DOOR FRAME
George B. Dorey, Westmount, Quebec, Canada, assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application August 17, 1948, Serial No. 44,672
5 Claims. (Cl. 105—249)



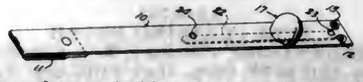
2. In a railway car hopper door frame arranged for application to a hopper having a bottom and side walls, said frame having a stirrup portion of T shape disposed with the flange extending flatwise around the bottom and side walls and the stem of the T outstanding from the flange and an upper beam member meeting with and united to the stirrup portion, said stirrup member being adapted to be bent in a forming die, said top member having hinge butts for pivotally supporting a door for meeting with the edge portions of the stirrup when the door is in closed position; the improvement which consists of forming the outer flange of the T adjacent its contact with the door with a reinforcement in the form of a bulb of triangular form, said triangular shaped bulb formation being separated from the stem by a comparatively thin flange section to provide a recess intermediate the stem and said bulb formation to receive and hold the forming die.

2,559,761
TRACTOR SIGHT
Frank F. Fulton, Plevna, Mont.
Application August 26, 1949, Serial No. 112,418
3 Claims. (Cl. 33—46)



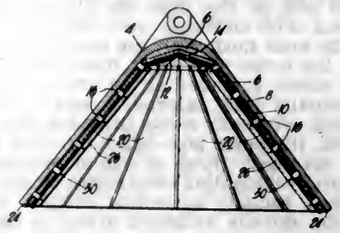
1. In a sight for guiding a tractor on a line of sight toward a distant field marker, a base securable to the tractor, a vertical rod removably connected at its lower end to said base, a tubular rod slidably telescoped on said vertical rod, means for holding said tubular rod in a vertically adjusted position on said vertical rod, a sighting lug comprising a boss secured to rise from the upper end of said tubular rod, and a portion rising from said boss, and a ring positioned in a vertical plane extending crosswise of the line of sight, the lower part of said ring being formed with a slot receiving said portion with said lower part of the ring resting upon said boss and said lug portion rising above the lower part of said rod midway between the sides of the ring.

2,559,762
HEMORRHOID TRUSS
Asa C. Furr, Sedgwick, Colo.
Application September 16, 1949, Serial No. 116,091
4 Claims. (Cl. 128—98)



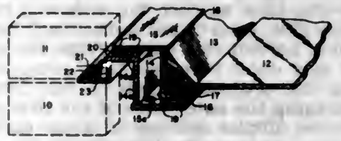
3. In a hemorrhoid truss including a flexible strap, means secured to the ends of said strap for supporting the latter in position on the body of a wearer, and a flat spring secured to said strap and extending longitudinally thereof, a pad secured to said strap between the ends of said flat spring and comprising a dome shaped body having a substantially cylindrical base and including a rounded core of stiff rubber and a covering of expanded rubber enclosing said core.

2,559,763
PROTECTIVE COVERING FOR BLAST FURNACE BELLS
John C. S. Ginder, Etna, and John M. Walsh, Jr., Clairton, Pa., assignors to United States Steel Company, a corporation of New Jersey
Application August 12, 1949, Serial No. 109,968
7 Claims. (Cl. 266—27)



2. Protective covering for a blast furnace bell comprising insulating means disposed on the inner surfaces of the bell, retaining means disposed adjacent the insulating means on the side thereof opposite the inner surfaces of the bell for holding said insulating means in position, said retaining means including a plurality of heat-resistant metallic sheets, and means for securing said sheets to the inner surfaces of the bell.

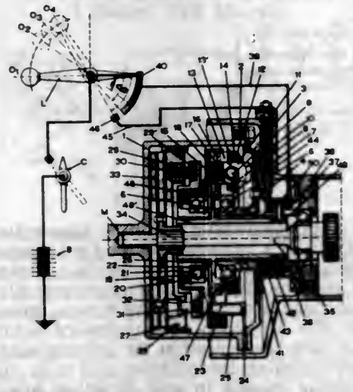
2,559,764
WINDOW FRAME AND SASH
Ralph Goldberg, Denver, Colo.
Application August 14, 1946, Serial No. 690,502
2 Claims. (Cl. 189—65)



1. An elongated structural bar for use in making window frames having, a web, a first flange projecting laterally from the web along one edge thereof, a second flange projecting laterally from the other edge of the web and in a direction opposite to the first flange to form a substantially Z-shaped cross section, a third flange projecting from the free edge of said first flange in a direction towards said second flange and parallel to said web, the width of said third flange being less than the width of the web, and

a fourth flange projecting laterally from the edge of said third flange in the same direction as the first flange and parallel thereto, said fourth flange forming means for effecting a connection with the building wall.

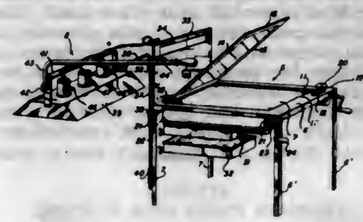
2,559,765
CLUTCH AND BRAKE PILOT MECHANISM
Michel Gravina and Marcel Hawadier, Paris, France; said Hawadier assignor to said Gravina
Application August 20, 1945, Serial No. 611,564
In France April 21, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 21, 1961
7 Claims. (Cl. 192—12)



1. In a system including a fixed frame, a clutch device which comprises, in combination, two coaxial rotary members, to wit a driving one and a driven one, movable relatively to each other into and out of cooperating engagement, a weight carrier coaxial with said members, centrifugal weights movably mounted on said carrier, a part rotatably coupled with said carrier coaxially therewith but otherwise movable with respect thereto, said part being operatively connected with at least one of said weights to be moved with respect to said carrier in response to centrifugal displacements of said weights, antifriction means interposed between said part and at least one of said members for bringing said members into cooperating engagement with each other in response to movements of said part relatively to said carrier due to centrifugal displacements of said weights, and auxiliary clutch and brake means for alternately coupling said carrier with said driving member and braking it with respect to said fixed frame.

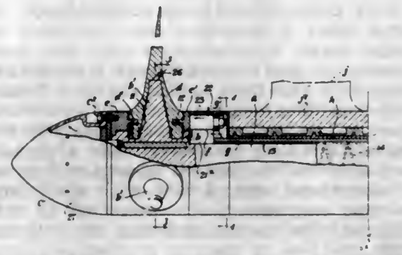
2,559,766
PHOTOGRAPHIC CONTACT PRINTING APPARATUS
John E. Griffin, Muskegon, Mich.
Application September 30, 1949, Serial No. 118,954
3 Claims. (Cl. 95—73)

1. A photographic machine comprising a generally rectangular frame having a horizontal top, a horizontal base glass mounted on said top on which sensitized paper is adapted to be laid, a holding glass horizontally hinged along the rear of said frame top to swing forwardly and downwardly from an elevated inoperative position to a depressed operative horizontal position in registry with said base glass and sensitized paper thereon, a vertical light shield rising from the rear of said frame top behind said holding glass, and a light assembly comprising a horizontal reflector having light means thereunder, a horizontal arm projecting from said reflector, and means pivoting said arm on the rear of said frame and at one side thereof whereby said reflector can be



swung in a horizontal plane parallel to said holding glass from an inoperative position behind said light shield to an operative position over and in registry with said holding glass when said holding glass is in its depressed operative position.

2,559,767
VARIABLE PITCH PROPELLER
Ernest Charles Hatcher, Northwood, England, assignor to J. Stone & Company Limited, Deptford, England, a British joint-stock company
Application October 2, 1945, Serial No. 619,759
In Great Britain May 30, 1944
3 Claims. (Cl. 170—160.23)

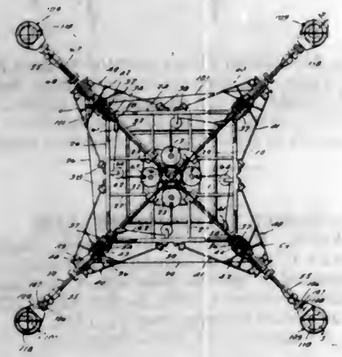


1. Variable pitch revoluble propeller assemblage, a propeller shaft mounting said assemblage, said assemblage comprising in combination revoluble propeller parts including rotatably adjustable blades having support engaging bearing surfaces, toothed gearings around the roots of each of said blades, rack rods movable axially of said shaft meshing with each of said gearings and provided with support engaging bearing means, a sleeve movable axially along the propeller shaft and coupled with said rack rods, a liner of synthetic plastic material within said sleeve and surrounding said shaft, said sleeve being internally grooved for the passage of water along said shaft, and means drivingly connected with said revoluble propeller parts and revoluble therewith to induce by centrifugal action the flow of water of submersion along said propeller shaft and in contact with said bearing surfaces of said blades and said bearing means of said rack rods.

2,559,768
VERTICAL AND HORIZONTAL AXES ROUNDABOUT
Ira F. Howard, Marco, Fla., assignor of one-third to Roy Rimes and one-third to Ira Howard, both of Marco, Fla.
Application April 30, 1948, Serial No. 24,357
19 Claims. (Cl. 272—36)

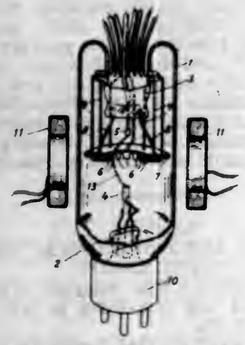
1. In an amusement device including a stationary vertical base, a vertical drive shaft

journaled in said base, a horizontal main frame fixed to said drive shaft for rotation therewith, at least one driven shaft journaled in said frame substantially radially of said drive shaft and means for rotating said driven shaft about its axis upon rotation of said drive shaft, the improvement comprising an auxiliary frame, means hingedly connecting said auxiliary frame to said main frame for swinging movement in vertical directions, an auxiliary shaft journaled in said auxiliary frame in end-to-end relation with said driven shaft, a universal joint operatively coupling said driven and auxiliary shafts together,



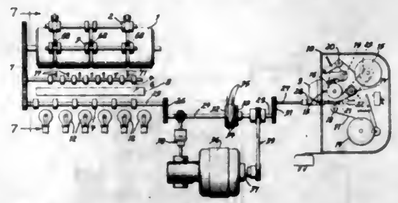
a sun gear fixed to said base concentrically of said drive shaft, a planetary gear journaled on said main frame in mesh with said sun gear, crank means on said planetary gear, a vertically-extending lever arm fixed to said auxiliary frame, drag link-providing means operatively connecting said crank means and lever arm together whereby to swing said auxiliary frame vertically while said auxiliary shaft is rotating on its axis and being rotated about said axis of said drive shaft, and at least one car operatively connected to said auxiliary shaft for vertical swinging and rotation therewith.

2,559,769
GASEOUS DISCHARGE TUBE WITH ARC DISCHARGE
Erik Waldemar Hullegård, Stockholm, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application June 3, 1949, Serial No. 96,889
In Sweden June 10, 1948
7 Claims. (Cl. 313—161)



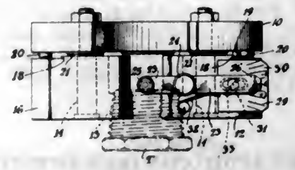
1. A gaseous discharge tube having an envelope, an anode and a cathode therein in alignment and spaced apart, a plurality of contact electrodes arranged between said anode and cathode and on lines normal to the line between the anode and cathode, means for producing a string shaped discharge arc between said anode and cathode and across one of said contact electrodes, and magnetic means for rotating said discharge arc to make it successively contact the other contact electrodes.

2,559,770
PHOTOGRAPHIC COPYING APPARATUS
Elmer L. Johnson, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application June 26, 1950, Serial No. 170,373
16 Claims. (Cl. 88—24)



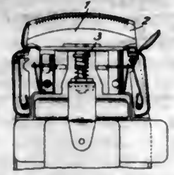
1. In a photographic copying apparatus, the combination of a camera provided with sensitized strip feeding means, record feeding means for feeding records through the photographic field of said camera, reversible drive means, means for selecting the direction of rotation of said drive means, a first transmission for driving said strip and record feeding means from and with rotation of said drive means in one direction and comprising an overrunning clutch, and a second transmission for driving said strip feeding means in the same direction as it is driven by said first transmission from and with rotation of said drive means in the direction opposite said first mentioned direction thereof and comprising an overrunning clutch.

2,559,771
GAUGE OF PIVOTED GAUGE MEMBER TYPE WITH END INDICATOR
Paul W. Johnson, Bloomfield, Conn.
Application January 27, 1949, Serial No. 73,104
6 Claims. (Cl. 33—199)



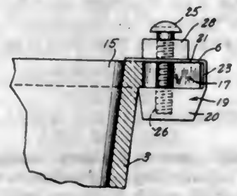
1. A gage comprising a frame, a gage member having a gaging means which engages a test part at a plurality of points around the outer periphery thereof, a second gage member cooperating with the first gage member, means carried by the frame for pivotally supporting the first gage member at a point spaced from the axis of the gaging means and located so that this axis lies between the second gage member and the pivotal supporting means for the first gage member with the gaging means facing substantially radially outwardly from its pivotal supporting means and so that the first gaging member pivots towards and away from the second gaging member into and out of gaging position upon a circular path radially spaced from the second gage member, a pivoted lever carried by a pivoted gaging member having an end thereof positioned to engage the end of a test part embraced within the gaging means when in gaging position and the end of the lever being movable in an axial direction with respect to the axis of the gaging means, and indicating means indicating the angular position of the lever.

2,559,772
MULTIHEAD DRY SHAVING APPARATUS
Victor Kobler and Werner Kobler, Zurich, Switzerland
Application January 29, 1946, Serial No. 644,119
In Switzerland October 31, 1945
1 Claim. (Cl. 30—43)



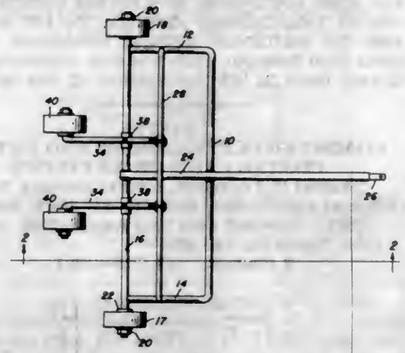
In a dry shaving apparatus, a plurality of laterally spaced parallel cutter heads, the skin-contacting face of each cutter head being convexly curved in the longitudinal direction of its extent, for the purpose of attaining a maximum tensioning of the skin portion especially in a control area intermediate of the said heads both longitudinally and transversely of said heads for causing the hairs to be cut to extend substantially normal to the skin surface, the skin-contacting face of one of the cutter heads being of obtuse inverted V-shape in a direction at right angles to the longitudinal direction of extent of the head so as to present an edge to the skin, said head having slots formed therein extending transversely of said head and extending through the said edge, whereby the tension in the skin caused by the longitudinal curvature of the other cutter head causes the skin to bulge into the slots at the edge of the said one head to a greater extent than would occur if the said one head were not formed with said edge.

2,559,773
CLOSET COLLAR ADAPTER
William R. Koenig, Sr., Madison, Wis.
Application May 9, 1947, Serial No. 747,153
3 Claims. (Cl. 285—34)



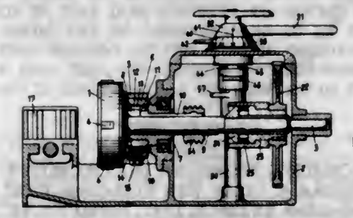
1. The combination with a closet collar flange formed with a slot and a toilet bowl base flange formed with a bolt hole, the closet collar and toilet bowl base flanges being registered with the slot and the bolt hole aligned; of an adapter comprising an upper horizontal arm to overlie the closet collar flange and closing the upper side of the slot therein, a lower horizontal arm to underlie the closet collar flange and its slot and closing the lower side of the slot, a connecting portion extending between and connecting said upper and lower arms and closing the outer end of said slot, said upper arm being formed with a bolt hole, said lower arm being substantially thicker than said upper arm and formed with a threaded socket aligned with said bolt hole in said upper arm, and a bolt threaded downwardly through and closing said bolt hole in said upper arm, extending through said closed collar flange slot, and threaded into said socket, said bolt projecting above said upper arm into the bolt hole of the toilet bowl base flange.

2,559,774
COTTON AND CORN ROLLER
Gustave A. Kunkel and Larken A. Eversole, Needville, Tex.
Application December 22, 1947, Serial No. 793,090
3 Claims. (Cl. 55—46)



1. A farm implement comprising a frame including a yoke having an axle rigidly attached to the free ends thereof, rollers attached adjacent the ends of the axle and exterior of the ends of the yoke, an arm having a roller at one end thereof, means for detachably securing said arm intermediate its ends to said axle including a bearing rotatively disposed on said axle, a fastening element detachably securing said arm to said bearing, a bracket attached to the yoke, and resilient means attaching said arm to said bracket to yieldingly oppose rotation of said arm about said axle as an axis.

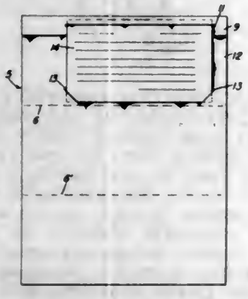
2,559,775
SCREW-THREADING MACHINE
Karl Künzi, Schaffhausen, Switzerland, assignor to Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer, Schaffhausen, Switzerland
Application May 23, 1947, Serial No. 750,033
In Switzerland May 27, 1946
2 Claims. (Cl. 10—96)



1. A screw-threading machine comprising a rotatable and axially movable spindle, a chaser carrier head mounted on said spindle for rotation

and axial movement together with the spindle, a plurality of radially adjustable chasers mounted in said head and provided each with a groove, a cam disc mounted for movement with said carrier head and angularly movable relatively to the head, means on said cam disc engaging said grooves of the chaser to provide for radial movement of the chasers upon relative angular movement between said head and said cam disc, said cam disc carrying a hub member, a helically grooved bush rotatably mounted in said hub member, said bush being axially fixed but rotatable together with and relatively to said spindle, a dog on said hub member and engaging a helical groove in said bush, whereby the cam disc is angularly displaced upon axial movement of said spindle, a key carried by said spindle and longitudinally movable relatively to the spindle, said key having a lug slidably engaged in a helical groove of said bush, and means acting on said key upon completion of a thread cutting operation to longitudinally displace the key and provide for additional angular movement of said bush, hub member and cam disc relatively to the chaser head to lift the chasers off the work.

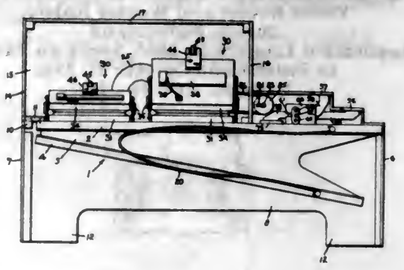
2,559,776
COMBINED LETTER SHEET AND RETURN POSTAL CARD OR ENVELOPE
Samuel R. Larzelere, Laurel Springs, N. J.
Original application January 11, 1949, Serial No. 70,282. Divided and this application June 23, 1950, Serial No. 169,826
2 Claims. (Cl. 229—92.1)



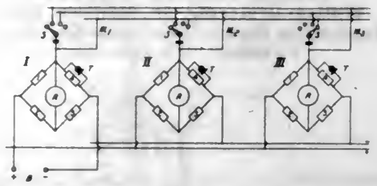
2. In combination, an advertising letter sheet adapted to be folded upon parallel upper and lower transverse lines, said letter sheet having its upper edge portion folded backwardly upon a transverse line and provided with a longitudinal elongated slit, the upper portion of said letter sheet having a window cut-out and a pair of spaced oppositely inclined diagonal slits adjacent and above the upper line, and a return envelope or card disposed in back of said upper portion, said envelope or card having its upper edge portion passed forwardly through said longitudinal elongated slit and its lower corners passed forwardly through said pair of diagonal slits so as to be supported by the letter sheet, said envelope or card having address data of an addressee thereon exposed through said window cut-out to serve as the address head of the letter sheet.

2,559,777
CHILD'S MUSICAL INSTRUMENT
Julian A. Links, San Francisco, Calif.
Application August 9, 1947, Serial No. 767,795
6 Claims. (Cl. 84—351)

1. A musical instrument comprising a cabinet adapted to be supported on a table and having a bottom wall, top wall and lateral side walls forming and enclosed air chamber, a row of openings formed in said top wall and a wind actuatable reed positioned in each opening for actuation by air passing through each opening, a row of finger depressable keys pivotally supported in said top wall, each key having a valve element closing one of said openings and movable for opening the latter upon depressing the key, and suction means communicating with said chamber for creating a suction force within the latter for drawing atmospheric air past said reeds upon depressing said keys, said side walls being of flexible material and said bottom wall being rigid whereby the said bottom wall will move from an expanded position spaced a substantial distance from said top wall toward said top wall upon actuation of said suction means, and a spring for yieldably resisting such movement and for moving said bottom wall toward said expanded position thereof upon admission of atmospheric air into said chamber faster than said suction means is adapted to exhaust it

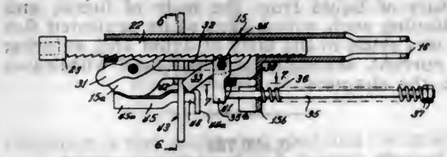


2,559,778
INTERCOMMUNICATION TELEPHONE SYSTEM
Leonard Victor Marks and David William Briscomb, Willesden, England, assignors to Modern Telephone Corporation, New York, N. Y., a corporation of New York
Application October 13, 1949, Serial No. 121,154
In Great Britain April 2, 1948
4 Claims. (Cl. 179—37)



1. An intercommunication telephone system comprising a plurality of stations; a Wheatstone bridge circuit at each station, each bridge having a receiver connected across one diagonal, a transmitter in one of the arms and means in the other arms substantially to balance said bridge; a battery, and a circuit for connecting the battery to the other diagonal of each bridge; a circuit for connecting the stations to one another, said circuit including a station line connected to the junction point of the receiver and transmitter; and a station selector connected to said junction for selecting other station lines.

2,559,779
RAILROAD BRAKE SLACK ADJUSTER
William O. Martin, Fort Smith, Ark.
Application August 13, 1948, Serial No. 43,995
6 Claims. (Cl. 188—200)



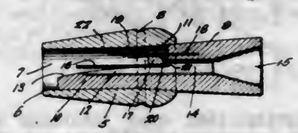
1. A brake slack adjuster for railroad cars comprising, in combination with the brake cylinder piston push rod, the live lever and the floating lever of a railroad car brake rigging with the cylinder piston push rod pivotally connected to the live lever; contractible tie means between said levers and uncontrolled thereby and consisting of an elongated housing one end whereof is pivotally connected to the live lever of the rigging; a rack bar slidable in said housing with its outer end pivotally connected to the dead or floating lever of the rigging; a pawl pivotally mounted intermediate its ends on the side walls within said housing with its tail end depending beneath its pivot while the other end engages the rack bar against outward movement; a spring controlled pawl carrying rod slidably supported by an end wall of the housing and extending parallel with the housing; a pawl gravity controlled arranged in the housing in mesh with said rack bar and pivotally secured intermediate its ends to said rod, adapted to force the rack bar into the housing; an arcuate lever pivotally secured intermediate its ends to said housing and disposed through the housing across the path of said last mentioned pawl; a pull rod pivotally secured to an end of said arcuate lever and provided with regulable means whereby the pull rod operation accords with the maximum slack and brake shoe wear; a laterally disposed arm secured to the cylinder piston push rod and having regulable operative and supporting engagement with said pull rod whereby the latter may be moved with the piston push rod when the latter travels outwardly beyond a predetermined point, said arcuate lever swung about its pivot and said spring controlled pawl carrying rod thereby retracted toward the opposite or floating lever end of said housing and its pawl brought into mesh with a succeeding tooth or teeth of the rack bar, said pull rod and arcuate lever releasing said pawl carrying rod when the cylinder push rod is retracted, permitting said pawl carrying rod to return to normal position and thereby shift said rack bar a distance in keeping with the extent of pawl carrying rod retraction.

2,559,780
ARTIFICIAL LURE AND LEADER PROTECTOR AND HOLDER
Peter Martinson, Tacoma, Wash.
Application November 25, 1949, Serial No. 129,323
5 Claims. (Cl. 242—129)



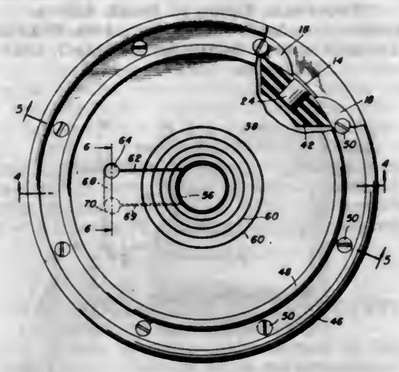
1. An artificial lure and leader holder and protector comprising a top wall and a bottom wall of uniform size and shape, a spacing member interposed between and secured to the top wall and bottom wall, said spacing member defining an end wall and side walls and being spaced inwardly from the contiguous edges of the top and bottom walls, said holder being open at one end thereof and being closed at its opposite end by the portion of said spacing member forming the end wall, said top wall having a longitudinal slot disposed intermediate of its side edges and extending from adjacent the end wall portion of the spacing member to the end of the top wall located remote thereto and being open at its last mentioned end, said top wall being provided with a notch opening outwardly of its opposite end and disposed substantially in alignment with said slot.

2,559,781
BIRD CALLING DEVICE
Howard E. McMahon, Delafield, Wis.
Application October 30, 1946, Serial No. 706,657
3 Claims. (Cl. 46—180)



2. A bird calling device comprising a barrel, a nozzle having a semi-cylindrical end portion received within the barrel, said semi-cylindrical end portion including spaced side edges and a groove between the side edges, a reed overlying the groove and resting upon said side edges, a slidable block disposed transversely of the nozzle and resting upon the reed and said side edges, and means for adjusting the block upon the reed to limit the flexing of the reed.

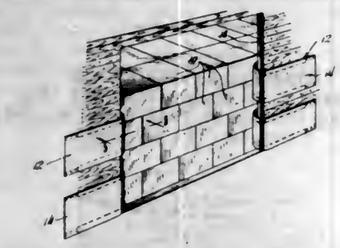
2,559,782
PIPE WIPER WITH IMPROVED CENTRAL PASSAGE ARRANGEMENT AND SEAL SECTION ASSEMBLY
Samuel W. Meek, Odessa, Tex., assignor of one-half to William W. Fortenberry, Odessa, Tex.
Application June 29, 1948, Serial No. 35,889
7 Claims. (Cl. 15—210)



5. A pipe wiper comprising a plurality of clamp sections, adjustable means joining said sections, a seal having an aperture forming a work piece passage and attached to said sections, said seal including a first and second spaced substantially flat portion overlying said clamp sections, means fastening the overlying portions to said clamp sections, said first section having a pair of spaced

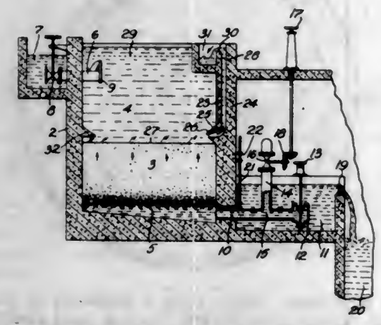
slots with ends opening into said aperture, said slots being laterally spaced and in opposite faces of said first portion and passing only partially through said first flat portion, and a slit connecting both slots of said pair of slots.

2,559,783
LOAD RETAINING STRIP
John M. Moon, Evanston, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application July 16, 1948, Serial No. 39,020
8 Claims. (Cl. 105—369)



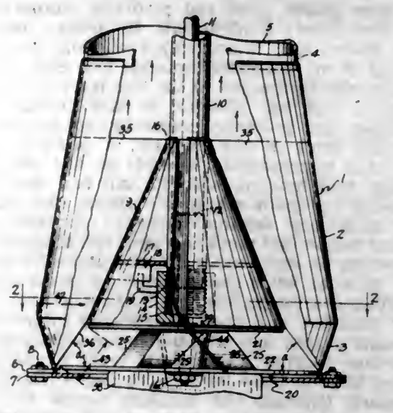
1. A prefabricated load retaining bulkhead strip for the doorway of a freight car or like vehicle comprising an elongated panel of flexible sheet material having a main body portion and a short apron extension on one end of the main body portion, said panel being of double ply along at least the longitudinally extending marginal portions of the main body portion, and a flexible tension member fixed between said plies adjacent each longitudinally extending marginal edge of the panel, each of said tension members having one end exposed and being adapted to be anchored at their opposite ends to said car adjacent one edge of said doorway for fixedly securing said bulkhead strip in position, said exposed ends of the tension members being free of permanent attachment to said panel.

2,559,784
BACK WASHING FILTER
Richard Pierpont Moore, Roodekop, Germiston, Transvaal, Union of South Africa
Application April 9, 1946, Serial No. 660,661
In the Union of South Africa May 7, 1945
7 Claims. (Cl. 210—130)



1. A process of backwashing a rapid gravity sand filter which consists in passing washwater upwardly through the bed to enter the body of liquid in the filter chamber and raise the level of the body and to project floc and dirt in the bed upwardly; when such level has reached a predetermined height, automatically biassing further washwater emerging from the bed to flow in a horizontal current sweeping across the surface of the bed; withdrawing washwater in the current from the chamber without substantial admixture of liquid from the body of liquid, and continuing such withdrawal while projected floc and dirt settle in the body of liquid and, entering the current, are entrained in it and withdrawn from the chamber.

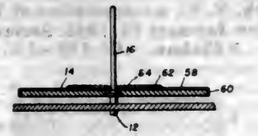
2,559,785
IRRIGATION AND DRAINAGE PUMP
Fred P. Morgan, Delray Beach, Fla.
Application March 9, 1946, Serial No. 653,374
9 Claims. (Cl. 103—103)



1. A pump of the character described comprising an upright housing, an upright impeller shaft in the housing, a cone within and spaced from the housing providing a water passage, a horizontal wheel mounted on the shaft below the cone comprising upper and lower spaced plates, the upper plate being dished so that its outer peripheral portion is inclined upwardly and outwardly, the lower plate being in the form of an annular ring also inclined upwardly and outwardly substantially parallel to the inclined portion of the upper plate and of greater outer diameter than the upper plate, a series of impeller blades mounted to extend between the inclined portions of said plates, each blade being inclined upwardly and backwardly to its direction of rotation so that its lower edge is forwardly of its upper edge, and each blade also inclined laterally so its inner edge is forwardly of its outer edge so that the blades have a combined lifting and centrifugal action on the water to force it through the inclined passage between the plates into the passage in the housing, and an inlet passage to the housing below the wheel.

2,559,786
INTERLOCKING PHONOGRAPH TURNTABLE COVER
Herman H. Mueller, Ephrata, Pa., assignor of one-fourth to George L. Bowman, Ephrata, one-eighth to John L. Bowman, Denver, and one-sixteenth to Stanley A. Radzay, Ephrata, Pa.
Application February 6, 1947, Serial No. 726,934
2 Claims. (Cl. 274—39)

1. In a phonograph record player having a turntable, a turntable cover of resilient material, a rim on said cover for frictionally embracing the rim of the turntable, said cover having a central portion adapted to smoothly and continuously lie upon the entire upper surface of the

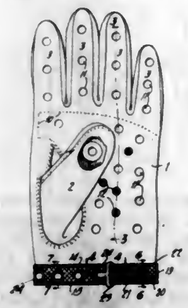


turntable, a ring positioned upon and rising above said cover upon the central portion thereof for engaging the central portion of a record disk inside the sound track thereof.

2,559,787
COLORED CELLULOSE ESTERS AND ETHERS
Henry Charles Olpin, Kenneth Ronald House, and John Wright, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 10, 1946, Serial No. 682,588. In Great Britain July 20, 1945
8 Claims. (Cl. 106—186)

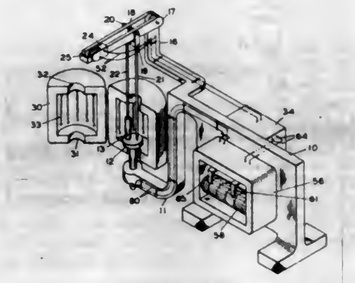
1. Fiber-forming materials, selected from the group consisting of cellulose ester and cellulose ethers, soluble in organic liquids, said fiber-forming materials being colored with a dye which contains two monovalent aliphatic hydrocarbon radicles each of which contains from 8 to 18 carbon atoms united by carbon to carbon linkages, the chromophoric nucleus of said dye being free from sulphonic acid and carboxylic acid groups and being selected from the group consisting of the anthraquinone nucleus, the azo-benzene nucleus and the nitro-diphenylamine nucleus.

2,559,788
GOLF GLOVE
Edward H. Patterson, Jr., Menands, N. Y.
Application July 28, 1948, Serial No. 41,052
2 Claims. (Cl. 2—162)



1. A leather glove adapted for golf players comprising portions forming coverings for the palm, fingers and thumb of the hand; said palm portion being of double thickness and comprising two layers of leather with the flesh sides thereof in opposed relation secured together; and said glove being of a length adapting it to extend from the finger tips approximately to the wrist joint only of the wearer, and being provided at the top thereof with a circumferentially extending band secured to said glove by stitching and having a free portion of substantial length; means, including two rings secured to one end of said band and cooperating with the other end of said band adapting it to be drawn tightly about the wrist of the wearer and releasably to hold said band when so drawn; whereby to stretch said glove tightly and smoothly about the hand; said band being formed of substantially non-stretchable material throughout except for a short section of elastic material adjacent the free end thereof, and being provided in the portion thereof which is secured to said glove with a plurality of circumferentially spaced eyelets; and a hook adapted to engage said eyelets secured to the free end of the elastic section of said band; whereby, the free portion of said band between said holding means and the free end thereof may be tightly secured about the wrist of the wearer by slightly stretching the elastic portion thereof and securing it taut and flat in stretched condition by engaging said hook in one of said eyelets.

2,559,789
DILATOMETER
Joseph W. Peckham, Cheshire, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application June 27, 1944, Serial No. 542,349
6 Claims. (Cl. 73—16)



3. In a dilatometer having a heating furnace, means in said furnace adapted to support a specimen to be tested, means responsive to dimensional changes in said specimen, means mechanically distinct from said supporting means but engaging the same to respond to dimensional changes therein, recording means, an electrical reactance element operable by one of said responsive means, an electrical reactance element operable by the other of said responsive means and mechanically separate from the first element but movable in the field of said first element, and oscillatory electronic means controlled by the joint influence of said reactance elements for controlling operation of said recording means through an extent representative only of a change in a dimension of said specimen.

2,559,790
CYCLOPENTADIENE-VINYL ACETATE POLYMERS
Carl F. Peters, Chicago, Ill., assignor to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 19, 1946, Serial No. 684,793
7 Claims. (Cl. 260—17)

3. As a new composition of matter, a nitrocellulose lacquer containing a resinous copolymer composed of cyclopentadiene and 25 per cent to 56 per cent vinyl acetate.

2,559,791

ELECTRICAL INSULATING MATERIALS

Pierre Pascal Peyrot, Lyon, and Louis Jean Dumoulin, La Terrasse-sur-Dorley, France, assignors to Societe des Usines Chimiques, Rhone-Poulenc, Paris, France, a corporation of France

No Drawing. Application September 9, 1949, Serial No. 114,908. In France October 19, 1948
13 Claims. (Cl. 260—37)

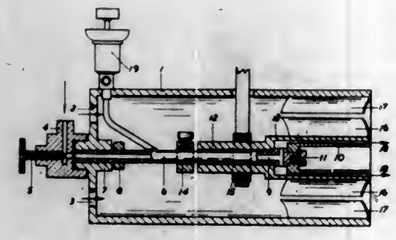
1. A mechanically rigid agglomerate consisting essentially of asbestos, a heat-insolubilised organósilicic resin consisting of a polysiloxane chain containing as sole substituents hydrocarbon groups attached directly to silicon atoms and ethyl polysilicate.

2,559,792

ROTARY ATOMIZING LIQUID FUEL BURNER

Francois Pietri, Aubagne, France

Application August 12, 1948, Serial No. 43,843
In France August 13, 1947
1 Claim. (Cl. 158—77)



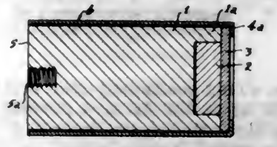
A fuel oil burner comprising an elongated casing having inlet apertures at one end thereof and an outlet at the other end thereof, a stationary fuel oil feeding pipe longitudinally arranged in said casing, a stationary radially-opening fuel outlet nozzle in the outlet end of said pipe, a cylindrical inner diffuser member also arranged at the outlet end of the pipe and beyond the said nozzle, a rotatable cylindrical outer diffuser member, carried on said pipe as a bearing, having a widened portion surrounding the said inner diffuser member and forming therewith an annular passage into which the fuel outlet nozzle opens, helicoidally-arranged rotating blades arranged along the length of and carried by the widened portion of the rotatable outer diffuser member, other stationary helicoidally-arranged blades secured on the inside of the outlet end of the casing in corresponding positions axially of the casing to the rotating blades and spaced with a radial clearance therefrom, whereby the rotating blades cause an axial air current through the casing towards the outlet end thereof, said air current having a rotary motion imparted to it and being made turbulent by the coaction one with the other of the stationary and rotating blades, the fuel emerging from the fuel outlet nozzle having a rotary motion imparted to it by the rotation of the outer diffuser member, whereby as the fuel emerges from the annular passage it is thrown outwardly by centrifugal force into the air current the turbulence of which causes thorough mixing of the fuel with the air current.

2,559,793

BETA IRRADIATION METHOD AND MEANS

Alexander Pregel, New York, N. Y., assignor to Canadian Radium and Uranium Corporation, New York, N. Y., a corporation of New York

Application January 27, 1949, Serial No. 73,080
5 Claims. (Cl. 128—1.2)



1. An ophthalmic applicator which has radioactive material which consists substantially wholly of radium D and radium E and radium F, said applicator having filter means which are permeable substantially only to beta rays emitted at the energy level of the beta rays emitted by radium E.

2,559,794

CASTING SOLUTION OF CELLULOSE PROPIONATE

John H. Prichard, Springfield, N. J., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 30, 1946, Serial No. 706,812
2 Claims. (Cl. 106—187)

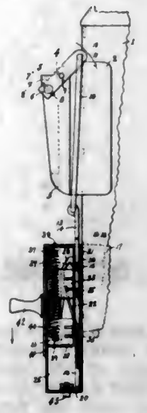
1. A casting solution comprising cellulose propionate having from 0.0 to 0.1 free hydroxyl groups per glucose unit therein dissolved in a volatile binary solvent mixture containing 10 to 40% by weight of acetone and 90 to 60% by weight of benzol.

2,559,795

HEAD SHIELD FOR WELDERS

Joseph F. Rakos, Cleveland, Ohio, assignor of one-half to John W. Nelson, Cleveland, Ohio

Application July 18, 1947, Serial No. 761,880
1 Claim. (Cl. 2—8)



In a device of the class described, comprising, in combination, a head shield, a foundation member connected thereto, a window hinged to the foundation member by a hinge pin, a coiled spring in torsion on the hinge pin, a transverse member connected to the upper portion of the window, lever arms, the lever arms fixedly connected to the transverse member laterally of the window and having bores therein adjacent

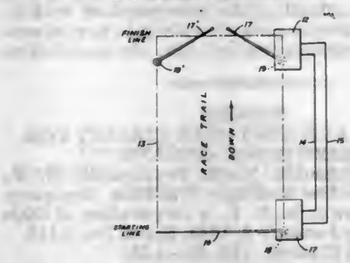
their upper ends, and positioned obliquely upward and inward toward the head shield when the window is closed, a bail having inturned ends mounted in the bores in the lever arms, a window lifting member hinged to the bail comprising downwardly extending legs held in spaced parallel relationship by spaced parallel transverse members interposed therebetween, the upper member of the forementioned members being generally wedge shaped in cross-section and extending upwardly and outwardly relative to the legs, a back plate removably connected to the head shield, a channel-shaped guide-way connected to the back plate, an outstanding tongue positioned in the channel-shaped guide-way and connected to the back plate, the back plate being provided with upstanding flanges, a front plate, the front plate provided with a housing, a slidably mounted member in the housing, a transverse shaft in the housing, a member freely mounted on the shaft having an inclined upper portion adapted to engage the outstanding tongue positioned in the channel-shaped guide-way and a hooked forked end adapted to engage the upper transverse member spacing the downwardly extending legs of the window lifting member, a helical spring the upper end of which is connected to the housing, its lower end connected to the slidably mounted member, a spring adapted to urge the member mounted on the transverse shaft toward the members spacing the downwardly extending legs of the window lifting member, and a handle adapted to pull the slidably mounted member downward in the housing, the helical spring adapted to return the slidably mounted member to its initial position when released after being pulled down.

2,559,796

AUTOMATIC TIMING DEVICE

Walter Rath, Dorset, Vt.

Application October 21, 1949, Serial No. 122,675
10 Claims. (Cl. 161—18)



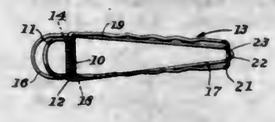
10. A timing device for measuring time elapsed between the passage by a racer of a starting line and his passage of a finish line, the device comprising a starting line station, a finish line station and an electric circuit connecting the two stations, the starting line station including a first passage responsive means responsive to the passage by the racer of the starting line, a coin operable slide actuable by the racer for rendering the device operative, said slide being movable from an inactive projecting rest position into a depressed active position, a spring for biasing said slide towards its projecting position, means for locking said slide in its active position, and indicating means jointly operable by said slide and said first passage responsive means for indicating conditions of availability for use when the slide is in its projecting position, readiness for use when the slide is in depressed position prior to actuation of said first passage responsive means and nonavailability for use after actuation of said first passage responsive means; said finish line station including a second passage responsive means responsive to the passage by the racer of the finish line, a clock actuable by said first passage responsive means through said circuit, a supply of time record blanks, means associated with said clock and actuable by said second passage responsive means for printing on a blank a record of elapsed time, and a manually operable means for dispensing a printed time record, said manually operable dispensing means being connected with said clock for resetting it and being connected through said circuit with said locking means to release said locking means.

2,559,797

HAIRPIN CLIP

Carl W. Renstrom, Omaha, Nebr., assignor to Tip-Top Products Company, Omaha, Nebr., a corporation of Nebraska

Application July 25, 1949, Serial No. 106,681
7 Claims. (Cl. 132—46)



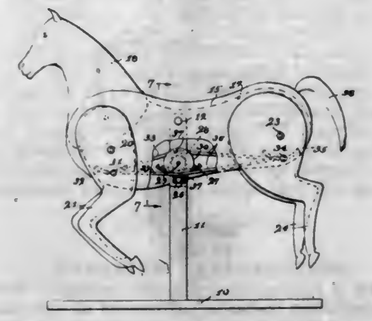
1. A hairpin clip constructed from an integral length of resilient wire, comprising a helix formed in the central portion of the wire, the inside diameter of said helix being substantially equal to the diameter of the wire, a pair of complementary jaw actuating elements formed in the wire portions emanating from said helix, and a pair of complementary U-shaped jaw members formed in the wire portions emanating from said actuating elements, said jaw members terminating in inwardly turned end portions frictionally retained within the ends of the helix.

2,559,798

HOBBYHORSE HAVING CHANGEABLE GAIT

Ben C. Reynolds and Clayton A. Reynolds, Kane, Pa.

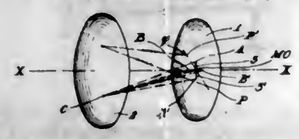
Application June 9, 1950, Serial No. 166,994
3 Claims. (Cl. 272—53.2)



1. A device of the character described comprising a base, a standard centrally affixed to said base, a hollow body receiving and pivotally connected to said standard adjacent the upper end thereof, a foreleg pivoted to either side of the forward portion of said body, a hind leg pivoted to either side of the rear portion of said body, and means interconnecting the standard and the body for imparting oscillating movement to said legs relative to said body when said body

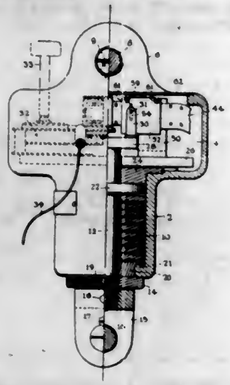
is oscillated with respect to said standard, said means including a segmental gear affixed to each side of said standard within said body, a shaft extending inwardly from each side of said body, a pinion revolubly mounted upon each shaft and enmeshed with a segmental gear, a disc affixed to each of said pinions and likewise revoluble upon its associated shaft, a pin extending inwardly from each leg through said body, and a link interconnecting each pin upon each side of the body with the disc adjacent that side of the body.

2,559,799
OPTICAL SYSTEM AND ALIGNMENT MEANS THEREFOR
Herre Rinia and Leopold Michael Lambert Joseph Leblans, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 14, 1946, Serial No. 641,072
In the Netherlands May 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 30, 1962
6 Claims. (Cl. 88—57)



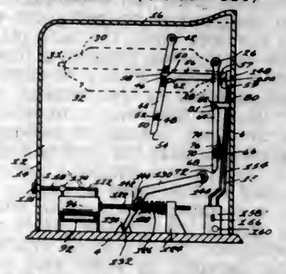
1. In an optical system comprising a concave substantially spherical mirror and a spherical-aberration correcting element positioned substantially at the center of curvature of said mirror, a position locating marking on said correcting element in a position concentric thereon to form, together with its real image reflected by said mirror, a pattern symmetrical with respect to said center of curvature.

2,559,800
TENSIOMETER
James J. Ryan, Jr., St. Paul, Minn.
Application December 29, 1945, Serial No. 638,088
3 Claims. (Cl. 73—141)



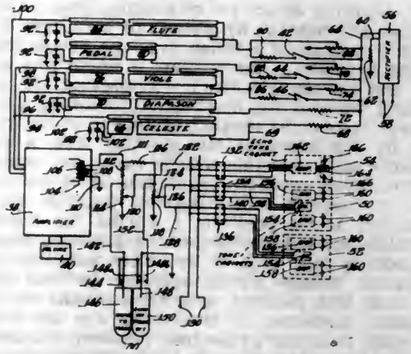
1. An instrument for measuring impact loads, comprising a unitary casing with an enlarged head portion and a portion of smaller diameter extending therefrom, a central shaft, adapted to be connected to an impact load, extending through said smaller portion of the casing, spring means in said smaller portion of the casing and surrounding said shaft, for absorbing and resisting said impact load, a stylus bridge and a stylus in the enlarged part of the casing, operatively connected to said shaft, and means, including clockwork mechanism and strip guides mounted in the enlarged part of the casing, for moving a record strip past the stylus at a predetermined rate, independently of the movement of the stylus.

2,559,801
BAKING APPARATUS
Thomas Hal Sarchet, Spokane, Wash.
Application August 26, 1949, Serial No. 112,484
4 Claims. (Cl. 99—380)



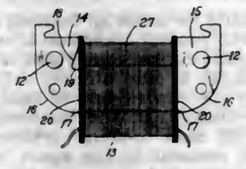
4. Baking apparatus comprising a base, supports mounted on said base, a pair of shafts rotatably mounted on said supports, a baking grid mounted on each of said shafts and rotatable therewith, said grids being rotatable toward each other into baking positions and away from each other into non-baking positions, a bar having one of its ends fixedly secured to one of said shafts for rotation therewith, a lever bar having one of its ends pivotally supported above said base and engageable intermediate its ends with the other end of said bar when the shaft carrying the latter bar has been rotated in a direction to cause movement of its baking grid toward and into the baking position, and means engaging the other end of said lever bar for effecting the movement of said lever bar out of engagement with said bar whereby said one grid is moved into its non-baking position.

2,559,802
DIVIDING AND AMPLIFIER CIRCUIT FOR ELECTRONIC ORGANS
Francis M. Schmidt, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application January 8, 1948, Serial No. 1,115
15 Claims. (Cl. 84—1.21)



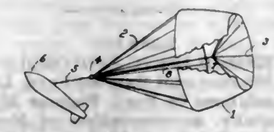
1. An electronic musical instrument comprising a plurality of tone generators, means for combining the output from said generators to form a single composite signal, a plurality of tone outlets, and means for selectively transmitting said composite signal to said plurality of outlets comprising a signal circuit, a plurality of resistors disposed substantially in parallel with one another and arranged for connection in said circuit, means for selectively rendering said resistors operative and inoperative, and amplifying means interconnecting said resistors with said tone outlets.

2,559,803
INSULATOR FOR COILS
Emmor V. Schneider, Alliance, Ohio, assignor to The Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio
Application December 13, 1948, Serial No. 64,919
1 Claim. (Cl. 174—138)



In combination with an electric device having a straight portion and an extension at each end thereof and having a notch therein adjacent to one end extension, and an insulator mounted upon said straight portion adjacent to each end extension, whereby a coil may be wound upon said straight portion between the insulators, each insulator being formed of comparatively rigid sheet insulation material having a central opening therein to receive said straight portion and a comparatively flexible tongue at one side of said opening to permit the insulator to be passed over one of said end extensions, said notch receiving the tongue as the insulator is moved from said one extension onto said straight portion.

2,559,804
PARACHUTE
Prevost F. Smith, San Diego, Calif.
Application November 12, 1947, Serial No. 785,371
21 Claims. (Cl. 244—152)



1. A conical parachute of the class described, suspension lines secured to the skirt of said canopy, inner suspension lines arranged in conjunction with the vent so that the tension on the outer suspension lines is substantially greater than that of the said inner lines, a cage attached to the load to be supported, an axle through said cage, a resilient roller adapted to freely rotate on said axle, a webbing secured to the ends of said inner and outer suspension lines and passing under said roller, stationary locking means adjacent said roller adapted to lock said roller against rotation when excess tension of the said webbing due to an excessive high speed deflects said resilient roller against said locking means thereby holding the vent open until deceleration has reduced the load thereby releasing said resilient roller from said locking means permitting the roller to rotate and the lines to be displaced pulling the vent down and inwards to effect a low rate of descent.

2,559,805
OPAL GLASS COMPOSITION
Stanley Donald Stookey, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application July 3, 1947, Serial No. 758,989
7 Claims. (Cl. 106—52)

7. A light-diffusing glass comprising 50% to 70% SiO_2, 7% to 15% alkali metal oxide, 5% to 25% BaO, 2% to 10% P_2O_5, and the indicated amount of at least one oxide selected from the group consisting of up to 25% B_2O_3 and up to 10% Al_2O_3, the total B_2O_3 and Al_2O_3 being not over 25%, the total BaO and P_2O_5 being from 9% to 30%, the ratio BaO/P_2O_5 being from 1.5/1 to 4/1, the ratio alkali metal oxide/P_2O_5 being from 1.1/1 to 4/1, and the ratio alkali metal oxide/$BaO+P_2O_5$ being from 0.3/1 to 1.1/1, the glass containing light-diffusing particles of an insoluble phosphate consisting of barium phosphate and being substantially free from compounds of metals of the second periodic group other than barium.

2,559,806
THREADED JUNCTURE AND PROCESS OF MAKING IT
John Thompson, Cleveland, Ohio
Application October 17, 1945, Serial No. 622,892
4 Claims. (Cl. 285—157)

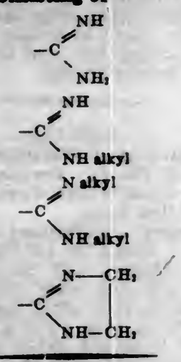


4. As an article of manufacture, a walled conduit part having a screw thread thereon and having a generally radial aperture through the wall, the aperture having a circumscribing lateral wall; and an insert of ductile material confined in the aperture by the aperture wall and transversely of the aperture being pressure-deformed into intimate pressure-contact with the aperture wall, and effecting a seal thereon, and a longitudinal end of the insert having a screw thread thereon continuous with the said thread on the said part.

2,559,807
DYESTUFF PREPARATIONS
Arthur Topham, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 27, 1949, Serial No. 73,235. In Great Britain January 26, 1948
8 Claims. (Cl. 8—35)

1. Dyestuff preparations for use in the printing of textile materials comprising a leuco sulphuric ester derivative of a vat dyestuff and a sulphonated benzamidine of the general formula RX wherein R is a sulphonated monocyclic aromatic

hydrocarbon radical and X is a radical selected from the group consisting of



and

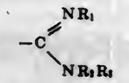
2,559,808
DYESTUFF PREPARATIONS FOR PRINTING
Arthur Topham, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 27, 1949, Serial No. 73,236. In Great Britain January 26, 1948

8 Claims. (Cl. 8—35)

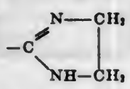
1. Dyestuff preparations for use in the printing of textile materials comprising a leuco sulphuric ester derivative of a vat dyestuff and a sulphonated isothiourea of the formula

$$R—CH_2—S—X$$

wherein R is a radical selected from the group consisting of sulphonated alkyl radicals and sulphonated monocyclic aromatic hydrocarbon radicals and X is a radical selected from the group consisting of



and

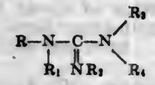


R_1, R_2, and R_3 being selected from the group consisting of hydrogen and alkyl radicals.

2,559,809
DYESTUFF PREPARATIONS FOR PRINTING
Arthur Topham, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 27, 1949, Serial No. 73,237. In Great Britain January 26, 1948

9 Claims. (Cl. 8—35)

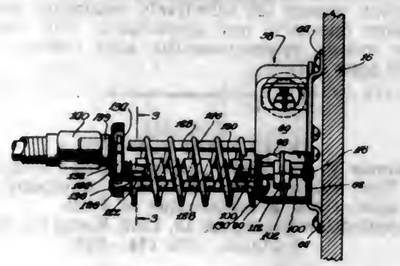
1. Dyestuff preparations for use in the printing of textile materials comprising a leuco sulphuric ester derivative of a vat dyestuff and a sulphonated guanidine of the formula



wherein R is a radical selected from the group consisting of sulphonated alkyl radicals and sulphonated monocyclic aromatic hydrocarbon radicals and R_1, R_2, R_3, and R_4 are selected from the group consisting of hydrogen, lower alkyl and benzyl radicals.

2,559,810
HEATING SYSTEM CONTROL
Vernon N. Tramontini, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 10, 1946, Serial No. 661,097

3 Claims. (Cl. 237—2)

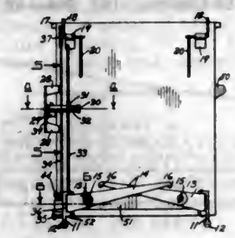


1. In a control for a hot air heating system having a circuit to control operation of a fuel supply means, the combination comprising a cooperating pair of contacts in said circuit, a first thermostatic means for moving one of said contacts in response to changes in the temperature of the air heated by said heating system, a helical thermostatic element in the space to be heated operatively connected at one end to the second of said contacts to move the latter in response to changes in the temperature of the space being heated toward and from the first contact, means effective to urge said second contact to a predetermined position, means to vary the angular position to which the end of said helical thermostatic element not connected to said contact is held thereby to vary the temperature at which said contacts open and close including a cam follower operatively connected to said helical element for rotating the latter and a spiral cam means rotatable upon an axis independent of the axis of said helical element, means to bias the cam follower against said cam means, and manually operable means for rotating said cam in opposite directions thereby to rock the said one end of said helical element in opposite directions and thus vary the temperature at which the circuit through said contacts is opened, the pitch of said spiral cam being such as to cause rotation of said helical element between its desired maximum and minimum limits with less than one complete revolution of said cam.

2,559,811
STENOGRAPHIC COPYHOLDER
Robert B. Warner and Samuel Ford, Los Angeles, Calif., assignors to Ford Warner Manufacturing Company, a corporation of Nevada
Application October 2, 1948, Serial No. 52,566

1 Claim. (Cl. 120—33)

In a copy holder, a back board, and means for supporting the back board upright at a desired rearward incline, comprising: brackets extending rearwardly from said back board and located at lower ends of opposite side edge portions of the back board, each bracket carrying a vertically disposed hinge pin; arms each having front and rear sections, the front sections of said arms being pivotally mounted about the pins of the companion brackets for horizontal swinging movement from an extended position rearwardly from the back board to a folded position transversely of the board, the front sections having front end portions overlapping side faces of rear ends of the front sections and connected therewith by clamping screws passing transversely through the overlapping portions of the front and rear sections and serving to pivotally mount the rear sections for vertical tilting movement and firmly secure the rear sections in angularly adjusted positions, the front sections of each of the supporting arms being formed at its pivoted



end with a flat end face and with a lateral extension constituting a lug and a reinforcement; and a leaf spring extending across the lower end of the back board and having ends extending between the brackets and the pivoted ends of the front sections and engageable by the flat ends of the front sections and the outer ends of the lugs to yieldably resist swing movement of the arms from extended and folded positions.

2,559,812
SOLUTION AND METHOD FOR COATING ZINC SURFACES
Charles T. Watson, Bessemer, Ala., assignor to Tennessee Coal, Iron and Railroad Company, a corporation of Alabama
No Drawing. Application January 25, 1949, Serial No. 72,751

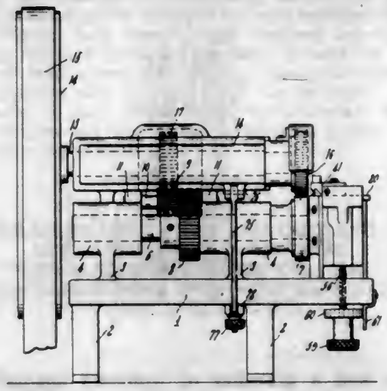
2 Claims. (Cl. 148—6.2)

1. In a method of forming a corrosion-resistant and abrasion-resistant coating on a zinc surface, steps including subjecting the surface for a period of from 15 seconds to 2 minutes, to contact with a solution, acid in character, composed of from 4 to 18% of a compound selected from the group consisting of chromic acid and sodium and potassium salts thereof or mixtures but including at least 4% chromic acid, from .5 to 9% of a compound selected from the group consisting of tartaric acid, succinic acid, citric acid and sodium and potassium salts thereof or mixtures, from .1 to 8% of a compound selected from the group consisting of hydrochloric, sulphuric, nitric and phosphoric acids and sodium and potassium salts thereof or mixtures, and the remainder water, the salts in each case being used in anionic equivalent amounts of the amount of acid specified, and maintaining the temperature of said solution at a value between room temperature and 180° F.

2,559,813
WELT CUTTING DEVICE
Aubrey F. White, North Weymouth, Mass.
Application June 16, 1950, Serial No. 168,451

4 Claims. (Cl. 12—67)

1. A welt cutting machine comprising a table, guides on said table spaced to permit a welt strip to be passed therebetween, upper and lower feed rolls positioned to engage the upper and lower faces of the strip at one edge of said table, a welt slitting knife positioned adjacent to the nip between said rolls and against the cutting edge of which said strip may be fed by rotation of said rolls, said knife having a cutting edge of V shape with one side substantially parallel to the top face of said table, and the other side extending upwardly, and a knife having a lower cutting



edge inclined downwardly lengthwise in the direction of feed and positioned to cut part way through said strip along one edge and at one side of said V cut.

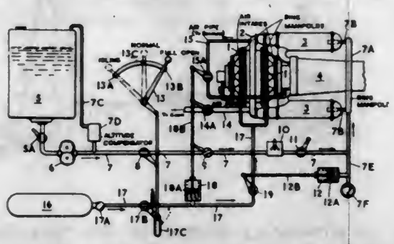
2,559,814
COOLING COMBUSTION-ENGINE AIR SUPPLY BY AMMONIA
Frank Whittle, Rugby, England, assignor to Power Jets (Research & Development) Limited, London, England
Application October 18, 1945, Serial No. 623,131

In Great Britain November 17, 1942

Section 1, Public Law 690, August 8, 1946

Patent expires November 17, 1962

11 Claims. (Cl. 60—41)



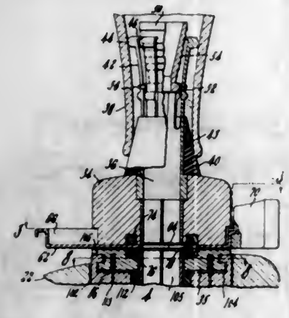
11. A gas turbine aircraft power plant comprising an air compressor, means for burning fuel in the output thereof, turbine means operated by the combustion products produced thereby and driving the compressor and means for injecting liquid ammonia directly into the air intake of said compressor whereby air entering said intake is cooled and is operated on in its cooled condition by said compressor.

2,559,815
BOTTLE SUPPORT AND LOCK FOR LIQUID DISPENSING APPARATUS
Robert W. Woodward, Rockland, Mass.
Application November 12, 1948, Serial No. 59,591

7 Claims. (Cl. 222—153)

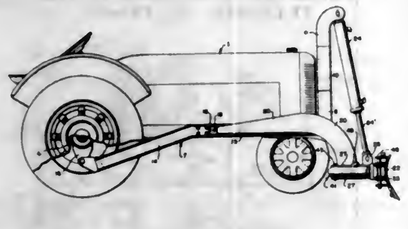
1. In combination with two members each having a duct therein, means on said members for securing them together with said ducts in mutual registry, a slide mounted in one said member intersecting the duct thereof and having a hole therethrough movable into and out of registry

with the duct to open and close the passage through the duct, said one member having a narrow circular groove therein concentric with said



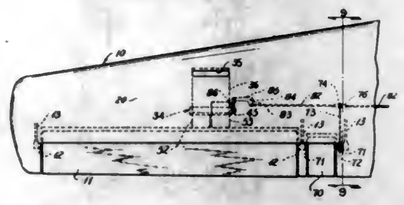
duct and a plurality of tumblers normally in locking engagement with said slide and accessible through said groove, and a tubular key mounted on the other said member with a projecting end edge adapted to enter said groove when the members are secured together and to move said tumblers to unlocking position.

2,559,816
BULLDOZER ATTACHMENT FOR TRACTORS
Everett C. Alexander, Charlottesville, Va., assignor to Southern Welding & Machine Company, a partnership of Virginia
Application December 12, 1946, Serial No. 715,660
3 Claims. (Cl. 37—144)



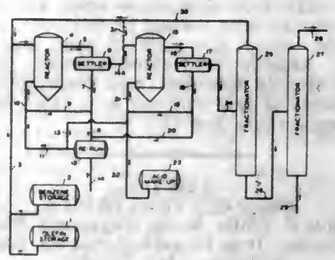
1. In a wheeled tractor of the type having dirigible front wheels, parallel side frames, and a hydraulic power take-off, a bulldozer attachment therefor comprising a fixed frame having spaced parallel side members adapted to fit against the tractor side frames, to be secured at their rear ends to the rear axle of the tractor and to be bolted to said tractor side frames with longitudinal lost motion permitting stresses to be transferred through the side members of said fixed frame to said axle substantially independent of said tractor side frames, and an upright structure rigidly secured to the front ends of said side members; a movable frame comprising a pair of side arms pivotally mounted to said fixed frame at intermediate points in the length of the side members of said fixed frame on a common transverse axis, and arched downwardly forward of the front wheels, and a transverse thrust beam rigidly connected to the forward ends of said side arms; a single hydraulic ram including a cylinder and plunger rod, hingedly connected to the middle of said thrust beam and of said upright structure, and a blade mounted for universal movement on the front of said thrust beam

2,559,817
FULLY POWERED AIRPLANE CONTROL SYSTEM
Irving L. Ashkenas, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application December 11, 1944, Serial No. 567,683
12 Claims. (Cl. 244—82)



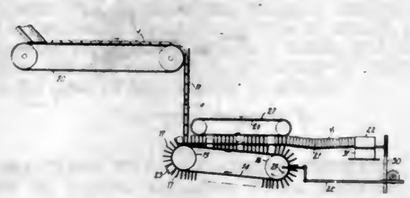
3. In an airplane control system, a pilot's control element, a control surface, a servomotor mechanism connected to move said control surface, said servomotor mechanism forming the sole actuating mechanism for movement of said control surface, a source of power for said servomotor mechanism, servomotor control means for controlling the energization of said mechanism from said power source, a control linkage connecting said servomotor control means to said pilot's control element for movement of said surface under power in accordance with the movements of said pilot's control element, said boost power control means being the sole possible load other than control linkage friction on said pilot's control element over the entire range of movement of said pilot's control element and said linked power boost control means, air speed indicating means, and dimension changing means in said linkage operated by said air speed indicating means to change the position relation of said pilot's control element and said servomotor control means without substantially changing the load on said pilot's control element.

2,559,818
PROCESS FOR PRODUCTION OF ALKYL BENZENES
Robert S. Hanmer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 31, 1948, Serial No. 68,475
8 Claims. (Cl. 260—671)



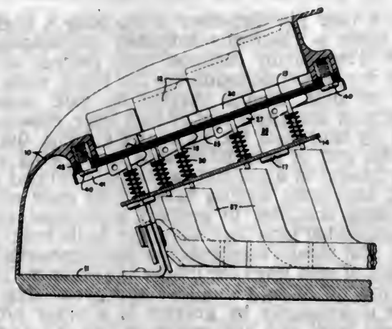
7. The alkylation of benzene with an olefin in the presence of hydrofluoric acid which comprises the steps of passing an admixture of benzene and a catalytically produced petroleum naphtha boiling in the range 380° F.–450° F. into contact, in a primary zone, with hydrofluoric acid catalyst, containing about 75% hydrogen fluoride, about 15% water and about 10% of catalyst soluble oil, the ratio of hydrocarbon phase to catalyst phase being about 7.5 to 1, for a time of the order of less than one minute, at a temperature of about 70° F.; separating said admixture from said catalyst and passing it to a secondary zone and therein contacting it with a hydrofluoric acid catalyst, containing about 97% hydrogen fluoride and about 3% water, the ratio of hydrocarbon phase to catalyst phase being about 3 to 1 for a time of the order of about ⅓ hour and at a temperature of about 90° F., to cause the alkylation of the benzene to a desired extent.

2,559,819
MACHINE FOR AUTOMATICALLY PACKAGING ARTICLES
Charles Hettinger, West Englewood, N. J.
Application July 18, 1946, Serial No. 684,408
9 Claims. (Cl. 214—7)



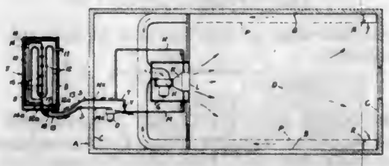
4. Packaging machinery for doughnuts and the like articles, comprising in combination a guideway, a conveyor belt beneath the guideway for advancing successive transverse rows of articles, a chute disposed at the end of the conveyor belt, a second conveyor belt at the lower end of the chute, the latter provided with a plurality of spaced fins, void elements between selective numbers of the fins, the fins and void elements being slotted vertically, stationary tracks operable in said slots during a portion of the advance movement of said second conveyor belt, a booster belt superposed above the last mentioned conveyor and engageable with the upper surface of the articles, and means for depositing predetermined numbers of the articles from the discharge extremity of the tracks.

2,559,820
KEYBOARD SEALING MEANS
George W. Hopkins, San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application October 16, 1948, Serial No. 54,921
4 Claims. (Cl. 235—145)



1. A gas-proof and moisture-proof seal for a reciprocable member comprising a substantially flat sheet of resilient gas-proof and moisture-proof material apertured to receive said member and through which said member projects, a guide plate disposed in parallel relation to said sheet, an outwardly projecting sleeve on said guide plate, a guide element on said member slidable within said sleeve, said element having a sealing surface disposed parallel to and on one side of said sheet, and means clamped against the opposite side of said sheet for pressing said one side of said sheet firmly into contact with said sealing surface so as to provide a gas and moisture-tight seal.

2,559,821
TRAILER ICE TRUCK AND COOLING APPARATUS FOR BUILDINGS
William Kagan, University City, Mo.
Application May 3, 1949, Serial No. 91,134
6 Claims. (Cl. 62—134)

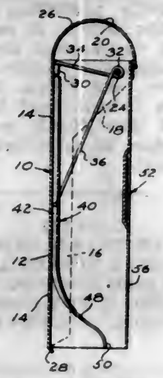


1. For use in the occasional cooling and air conditioning of a public hall or the like, said hall being equipped with conventional water circulating piping, radiant water-coils, blowers and pump, and the said piping including intake and outlet pipe-joints extended outwardly of the building, a trailer ice-truck for supplying cold water to the circulatory system of the hall, the said truck comprising a wheel-borne chassis and body and means for connecting same to a motor vehicle, an open topped ice and water tank in the bottom of the truck, radiant water coils in the tank and including an overhead extension thereof equipped with spray nozzles for spraying water down upon ice as loaded into the truck for the purpose of providing cold water in the tank for circulating through the piping and radiant coils of the hall, a water intake pipe-coupling joined to one end of the radiant water coils in the tank and extended outwardly of the truck, a water discharge pipe coupling extended directly from the tank at the bottom thereof and projected outwardly of the truck, and flexible hoses each having one end connected to the said intake and discharge couplings and arranged and adapted at their outer ends to connect with the said inlet and outlet pipe-joints as extended outwardly from the hall building.

2,559,822
RESILIENT CLAMP NEWSPAPER AND MAGAZINE HOLDER
Robert L. Kelly, Baltimore, Md.
Application May 13, 1949, Serial No. 93,147
4 Claims. (Cl. 232—19)

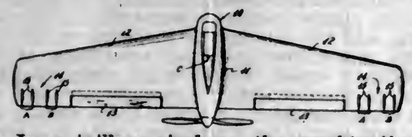
1. In a newspaper and magazine holder, a support, a substantially horizontally extending lip carried by the support, said lip extending outwardly from the support and forming an article engaging member, spaced legs carried by the support above the lip, said legs extending downwardly toward the lip, means carried by the support and connected to the legs yieldingly to advance each leg toward the support, and an elongated clamp member rockably mounted intermediate its ends on the legs, whereby a

newspaper or magazine introduced between the support and the clamp member will be held



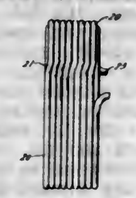
against the edge of the lip and in contact with the support.

2,559,823
RUDDER FOR TAILLESS AIRPLANES
Alfred J. Klose, Rolling Hills, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application April 9, 1945, Serial No. 587,360
2 Claims. (Cl. 244—87)



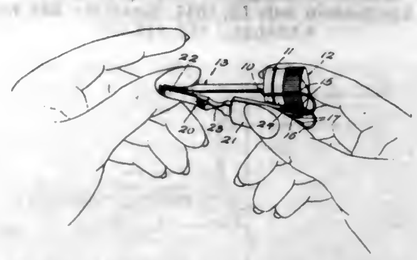
1. In a tailless airplane, the combination of a wing, a pair of substantially identical laterally spaced airfoil members arranged entirely side by side at the tip end of said wing adjacent the trailing edge thereof, said members being disposed perpendicular to the surface of said wing and normally substantially parallel to the line of flight whereby they contribute an appreciable amount of directional stability to the airplane, each of said members being pivotally supported for swinging movement about a vertical axis ahead of and in close proximity to center of pressure of said member, and control means for simultaneously rotating both members of said pair in opposite directions and through equal angular distances to a forwardly converging relationship for producing a yawing moment on the airplane.

2,559,824
METHOD OF WINDING LAYER WOUND MAGNET COILS
George H. Leland, Dayton, Ohio
Application November 12, 1947, Serial No. 785,214
7 Claims. (Cl. 140—92.2)



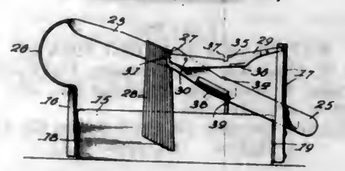
1. A method of winding a layer wound magnetic coil which comprises winding in each layer multiple wires in part turn increments, each increment being in a plane perpendicular to the axis of the coil, and shifting each succeeding part turn in each wire in each layer in the same direction lengthwise of the axis of the coil with relation to the next preceding part turn in said layer, the several shifts in each wire in each layer being of a combined axial length slightly greater than the combined diameters of said multiple wires.

2,559,825
NAIL POLISH BRUSH GUIDE
Ansel McKinney, Jr., Berkeley, Calif.
Application September 12, 1945, Serial No. 615,711
11 Claims. (Cl. 132—73)



2. A nail polish brush guide comprising a U-shaped spring clip adapted to straddle the side wall of a brush-carrying bottle cap, the outer arm of said clip having a return bend, and a brush-guiding finger having a longitudinal recess in one end into which said return bend extends to yieldably connect said finger with said clip, permitting said finger to be swung inwardly into cooperative relation with the brush when said clip is engaged with the cap.

2,559,826
HAIRPIN DISPENSER
Ansel McKinney, Sr., and Ansel McKinney, Jr., Berkeley, Calif.
Application March 12, 1946, Serial No. 653,886
6 Claims. (Cl. 132—1)



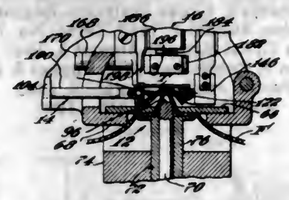
1. A hair pin dispenser comprising a horizontal base, a manually-actuated pin-suspending lever downwardly inclined with respect to said base for loose reception in the bight ends of a row of pins, means carried by said base for mounting the upper end of said lever, means carried by said base for vertically guiding the free handle end of said lever, said lever being yieldably biased to a normal raised but inclined position, said lever having between its ends an upstanding shoulder to prevent accidental sliding of suspended pins from its upper to its lower portion, and means responsive to one depression and return of said lever for lifting the endmost pin of the row off of said shoulder and permitting it to slide downwardly by gravity to a lower portion of said lever and also responsive to the next depression and return of the lever for lifting the bight end of said one pin above the top of said lever for easy removal by hand.

2,559,827
MEANS FOR STABILIZATION OF AIRPLANES HAVING HIGHLY SWEPT-BACK WINGS
John K. Northrop, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application October 28, 1946, Serial No. 706,120
4 Claims. (Cl. 244—91)



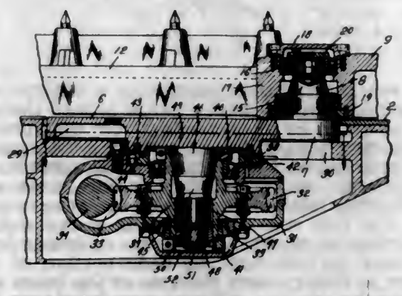
1. In an airplane, sweptback wing panels on said airplane, a fixed vertical fin located aft of the center of gravity of said airplane, and having sufficient area to maintain dynamic directional and lateral stability at low angles of attack, and a movable vertical fin positioned inside said fixed vertical fin and extensible therefrom to increase total fin area at high angles of attack.

2,559,828
MACHINE FOR ATTACHING TICKETS
Floyd H. Ogden, Arlington, Mass., assignor, by direct and mesne assignments, to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application December 22, 1947, Serial No. 793,226
35 Claims. (Cl. 112—104)



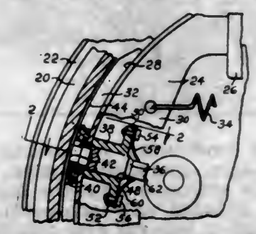
15. A machine for attaching tickets to a fabric, said tickets being in the form of a strip, including juxtaposed layers of sheet material joined along an area intermediate their longitudinal edges, said machine comprising means operable to feed a strip of tickets to a place of attachment with the endmost ticket projecting freely and with the opposite marginal portions of one layer diverging from the other layer, means for effecting operation of the feeding means, ticket support means situated below the projecting portion of the strip upon which the edges of the diverging marginal portions of said one layer rest, means for introducing a fold of fabric between the diverging portions of said one layer, a thread-carrying needle situated at one side of the ticket strip reciprocable in a plane parallel to the ticket support transversely of the strip and below said other layer to insert a length of thread through the diverging marginal portions of said one layer, means for effecting reciprocation of the needle, a presser foot opposite the thread-carrying needle movable into engagement with the diverging marginal portion of said one layer at that side to restrain lateral movement of the strip by entrance of the needle through the opposite diverging marginal portion, means for effecting operation of the presser foot, guide members on the presser foot for catching the free end of the needle as it passes through the diverging marginal portion with which the presser foot is in engagement to restore it to an undeflected position, a loop former operable in timed relation with the needle to catch and form a loop in the thread as the needle begins to retract, a die situated above the ticket support means, movable to and from the same, means for effecting movement of the die into engagement with the support means to press said other layer and diverging portions of said one layer into coplanar engagement, and means on the support means cooperable with the die to sever the projecting portion of the ticket strip and the thread.

2,559,829
GEARING FOR MATERIAL LOADING APPARATUS
William E. Overturf, Washington, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application March 7, 1947, Serial No. 732,958
12 Claims. (Cl. 74—425)



1. In combination, a supporting frame having a transverse upper frame portion provided with an opening, a driven crank closely overlying said upper frame portion and having a projecting drive shaft secured thereto, said shaft extending downwardly through said opening, a driving gear disposed below said upper frame portion and journalled in said frame and having a socketed hub for receiving said shaft whereby said crank is solely supported and driven by said gear, and means engaging the lower end of said shaft and said gear for releasably securing said shaft to said gear and releasable to permit upward removal of said shaft from said socketed gear hub thereby to remove said crank from said frame without disturbing said gear on its journal in said frame.

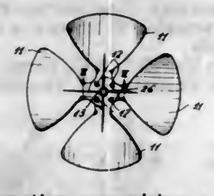
2,559,830
BRAKE ADJUSTING MEANS
Lambert R. Pistoles and Alfred G. Brinsfield, Wilmington, Del.
Application January 27, 1949, Serial No. 73,024
4 Claims. (Cl. 188—79.5)



2. In a brake shoe clearance adjuster, a brake shoe, lining thereon, having a braking surface, a guide block mounted on said shoe having an ap-

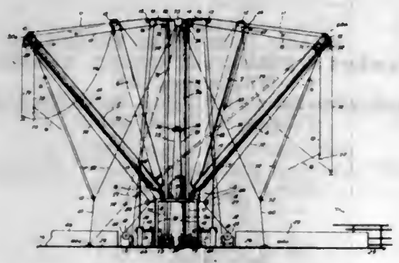
erture therein substantially normal to said surface, plug means slidable in said aperture having an end surface adapted to be positioned substantially flush with said surface, and a shank projecting inwardly from said block, resilient leaf springs secured to said block and angularly engaging said shank, and a shoulder on said shank adapted to engage said springs after limited radial inward travel.

2,559,831
FAN CONSTRUCTION
Joseph T. Roffy, Los Angeles, Calif.
Application October 9, 1946, Serial No. 702,298
1 Claim. (Cl. 170—173)



A fan construction comprising a central hub having an annular planar flange formed thereon and having a collar projecting from the annular flange, four identical sheet metal fan blades each having bases that are generally semi-circular in extent with respect to the annular flange and also having relieved portions on the base to contact the hub collar, and having a radial step defined by an off-set in the blades extending from the base portion into the body portion of the blades to interconnect portions of the bases and dispose the same in different parallel planes, the off-set being equal to the thickness of the sheet metal, and screws for securing the blades to the annular flange so that one portion of each blade rests upon the flange and the other portion overlies an adjoining blade portion resting on the flange, whereby each blade may be placed in a single plane of rotation, insuring dynamic balance.

2,559,832
SHIP HOIST
Alexander Slater, West Saint Kilda, Victoria, Australia
Application August 23, 1946, Serial No. 692,526
17 Claims. (Cl. 212—3)



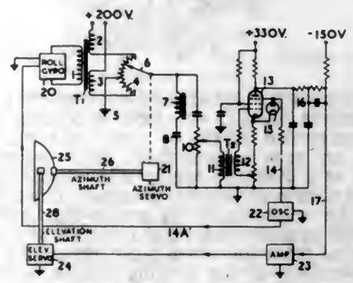
1. A derrick construction for loading and unloading ship's cargo comprising a mast, a pair of coactive booms associated with the mast, cargo hoisting gear included with each boom, a power actuated distant or lazy guy gear connecting the pair of booms, power actuating slewing gear connecting each boom for swinging the latter to an operative position, said power actuatable gears cooperative to normally maintain the booms in relatively fixed loading or unloading positions, power actuated topping gear operatively connecting each boom to adjust the working inclination of said boom, and mechanical locking means coactive with the topping gear to maintain the adjusted working inclination of each boom.

2,559,833
LOCK WASHER
Domnic V. Stellin, Chicago, Ill.
Application December 31, 1948, Serial No. 68,497
2 Claims. (Cl. 151—35)



1. A lock washer comprising a flat annular portion, spaced dovetail-shaped teeth extending radially from a circumference thereof, said teeth narrowing from the free end toward said portion and being twisted about a substantially radial axis where they join said circumference, leaving the annular portion flat, the free corners of each tooth being disposed respectively at opposite sides of the annular portion, the side marginal edges of said teeth extending laterally from said annular portion to said free corners.

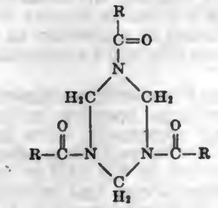
2,559,834
RADIO SCANNER CONTROL
Frederic Calland Williams, Timperley, and Arthur I. Llewelyn, Great Malvern, England
Application August 5, 1947, Serial No. 766,427
In Great Britain August 8, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 8, 1965
8 Claims. (Cl. 343—100)



1. Radio scanning apparatus for a moving craft comprising a radio directional member, means adapted to drive said radio directional member in a first direction to perform a desired scanning motion, second means adapted to drive said radio directional member in a predetermined direction, substantially at right angles to said first direction, means for obtaining a voltage dependent on variations in the angular position of the craft about the mean position of the scanning beam, means for modulating said voltage in accordance with the momentary position of said radio directional member in its scanning motion with respect to a datum position to obtain a correcting voltage, and means for feeding said correcting voltage to said second means to control the position of the radio directional member in said predetermined direction to correct for said undesired displacement.

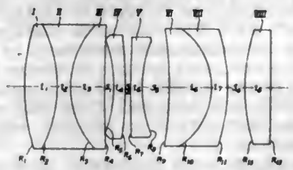
2,559,835
REACTION PRODUCTS OF NITRILES
Ernst Zerner and Mark W. Pollock, New York, N. Y., assignors to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 20, 1948, Serial No. 16,135
11 Claims. (Cl. 260—248)

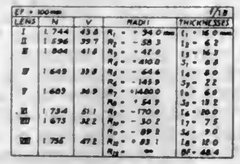
1. As new compositions of matter, hexahydro-1,3,5-triacyl-s-triazines of the general formula



where R is a member of the group consisting of alkyl and halogen substituted and unsubstituted open chain hydrocarbon radicals and mixtures thereof.

2,559,836
HIGH APERTURE CORRECTED PHOTOGRAPHIC OBJECTIVE COMPRISING FIVE COMPONENTS IN AXIAL ALIGNMENT
George H. Aklin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 21, 1949, Serial No. 134,322
9 Claims. (Cl. 88—57)





1. A photographic objective consisting of five components in axial alignment of which the respective powers P_a, P_b, P_c, P_d and P_e are within the limits set forth by the following inequalities:

$$P < P_a < 1.6P$$
$$0.3P < -P_b < 0.8P$$
$$P < -P_c < 1.4P$$
$$0.3P < P_d < P$$
$$0.5P < P_e < 1.2P$$

where P is the power of the objective as a whole, and the overall length of the objective being between F and 1.4F where F is the focal length of the objective, characterized by the first component consisting of a biconcave element cemented between two positive elements each of which has a refractive index between 1.66 and 2.0 and the average of these two indices being greater than that of the biconcave element by between 0.06 and 0.30, and further characterized by the radii of curvature of the two cemented surfaces thus formed being numerically between 0.3F and F.

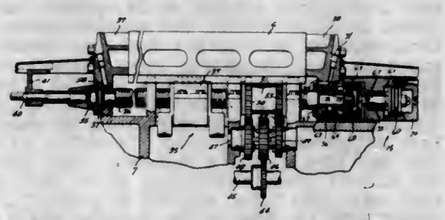
2,559,837
THERMOSETTING POLYESTER COMPOSITIONS CONTAINING DIHYDROXY DIPHENYLS
Thomas F. Anderson, Huntsville, Ala., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application November 8, 1950, Serial No. 194,731
5 Claims. (Cl. 260—45.4)

1. A stabilized thermosetting composition, comprising (1) a polymerizable unsaturated polyhydric alcohol-polycarboxylic acid polyester; (2) a catalyst of the class consisting of organic peroxides and organic ozonides; and (3) as an agent for increasing the stability of the composition at atmospheric temperatures without proportionately decreasing the curability of the composition, a dihydroxy diphenyl in which the hydroxy radicals are connected to different nuclei and in which any nitrogen atom is connected only to atoms other than nitrogen and oxygen.

2,559,838
THERMOSETTING POLYESTER COMPOSITIONS CONTAINING THIOPHENOLS
Thomas F. Anderson, Huntsville, Ala., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application November 8, 1950, Serial No. 194,732
4 Claims. (Cl. 260—45.4)

1. A stabilized thermosetting composition, comprising (1) a polymerizable unsaturated polyhydric alcohol-polycarboxylic acid polyester; (2) a catalyst of the class consisting of organic peroxides and organic ozonides; and (3) as an agent for increasing the stability of the composition at atmospheric temperatures without proportionately decreasing the curability of the composition, a thiophenol in which any atoms other than carbon, hydrogen, sulfur and oxygen consist of halogen atoms having an atomic weight greater than 35.

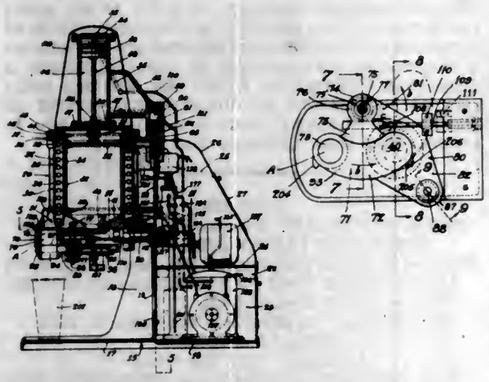
2,559,839
MACHINE TOOL POSITIONING MECHANISM
William K. Andrew, Wauwatosa, and Arthur H. Fotsch, West Allis, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application January 10, 1947, Serial No. 721,324
10 Claims. (Cl. 90—21)

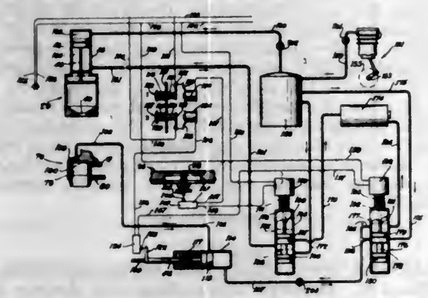


1. In a machine tool, a base, a member reciprocally mounted on said base, a mechanical drive mechanism connected to reciprocate said member, a selectively adjustable control means operative on said drive mechanism to effect reciprocation of said member according to a predeter-

mined operating cycle, a hydraulic drive means operatively disposed to effect additional movement of said member beyond the selected range of movement of said mechanism, and a second selectively adjustable control means operative on said hydraulic means including means causing said hydraulic drive means to be actuated upon said member reaching a predetermined point of travel.

2,559,840
ICE CREAM DISPENSER
Robert L. Arthur, Ramona, Calif.
Application April 6, 1946, Serial No. 660,205
7 Claims. (Cl. 222—61)





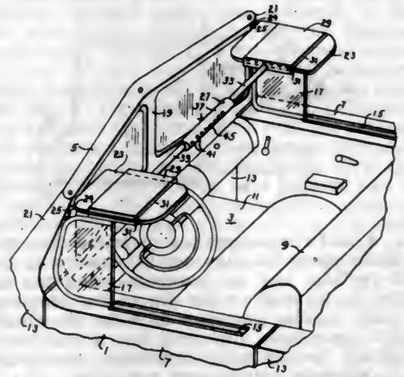
1. A machine for dispensing ice cream or the like comprising a dispensing cylinder within which a quantity of ice cream may be placed, said cylinder having a sealable opening at one end and a discharge opening at its opposite end, a piston operable through the sealable opening to force material through the discharge opening, a measuring and dispensing valve therefor comprising an oscillating valve arm adapted to swing in a plane normal to the axis of said discharge opening and thereacross and having an imperforate portion which may move to a sealing position over said opening and a measuring bore extending entirely through the depth of the valve arm, said valve arm being adapted to register alternately with the bore of the cylinder and a discharge station, said closure member and said measuring bore being so related that while the measuring bore is in registry with the opening in the cylinder the closure member registers with the discharge station and vice versa, means for oscillating said oscillating valve arm, power means for moving the piston in the dispensing cylinder, manually controlled means for initiating the operation of said power means, and means with which said measuring bore registers while in register with the discharge opening and acting when the measuring bore of the valve structure is filled to cause interruption of the operation of said power means.

2. The structure of claim 1 including means for ejecting the measured quantity of material from said measuring bore, and optionally controlled means for first causing the measuring chamber to move from a position in registry with the opening in the cylinder to a position in registry with the discharge station and for initiating said ejecting operation.

3. In combination with a dispensing cylinder having a discharge opening in its bottom, a measuring and dispensing valve therefor comprising an oscillating valve arm adapted to swing in a plane normal to the axis of said discharge opening and thereacross and having an imperforate portion which may move to a sealing position over said opening and a perforate portion formed with a measuring bore extending therethrough with its axis parallel to the axis of the discharge opening and being movable to register with said discharge opening, a diaphragm disposed beneath said oscillating valve arm and yieldably held thereagainst whereby an airtight seal will be formed between the oscillating valve arm and the end face of the cylinder and whereby the measuring bore will be closed at its lower end when in register with the discharge opening and will be opened at its lower end when at a discharge station, means normally holding the oscillating valve arm with its measuring bore in register with the discharge opening of the cylinder, pneumatic power means for moving said oscillating valve arm to place the measuring bore in register with the discharge station, manual means for initiating said movement of the oscillating valve arm, and pneumatic means associated with said power means and acting automatically to discharge the material from the measuring bore when said bore is in register with the discharge station.

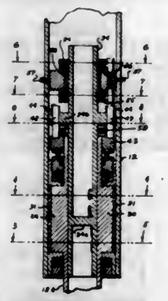
7. In a machine for dispensing ice cream or the like in which a vertical cylinder is provided having a discharge opening in its lower end and from which cylinder ice cream may be forced by extrusion, a valve control structure comprising an oscillating valve of arcuate shape, means pivotally mounting said valve at the lower end of the dispensing cylinder, said oscillating valve being mounted at the lower end of the cylinder and pivoted to swing across the mouth of the discharge opening, said valve having a perforate portion normally closing the discharge opening and a measuring bore of a capacity to receive a desired quantity of ice cream to be dispensed, pneumatically actuated means for oscillating said valve from a position where the measuring bore will be in register with the discharge opening of the cylinder to a position where the material may be discharged therefrom while the imperforate end of the valve closes said discharge opening, a source of fluid under pressure, a conduit connecting said source with the valve operating device, a solenoid operated pilot valve disposed at a point in the length of said conduit, an electric circuit including said pilot valve, a manually set relay switch in said circuit whereby the circuit will remain closed during the period of operation, a normally closed switch in said circuit, and means associated with the valve actuating means to open said circuit when the valve has moved to a discharge position thereby permitting the fluid valve to be restored to its original closed position.

2,559,841
SUN VISOR FOR CABRIOLETS
Carl S. Aspenwall, Chicago, Ill., assignor to Eagle Industries, Inc., Chicago, Ill., a corporation of Illinois
Application December 9, 1947, Serial No. 790,529
13 Claims. (Cl. 296—97)



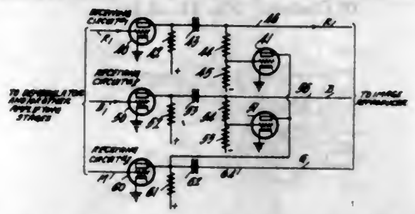
1. In a visor for automobiles having spaced, windshield corner posts, the combination of brackets mounted on said posts, support means extending rearwardly from said brackets in substantially parallel relation, means detachably engaging said support means for holding said support means in spaced relation, said holding means being adjustable lengthwise to vary the spacing of the support means and a cover for enveloping said holding and support means, the tension of said cover being regulated by the length to which the holding means is adjusted.

2,559,842
SHAFT-OSCILLATING FLUID-ACTUATED MOTOR HAVING SPRING-AND-LATCH VALVE-REVERSING MEANS
Clyde E. Bannister, Houston, Tex.
Application January 13, 1948, Serial No. 2,000
7 Claims. (Cl. 121—9)



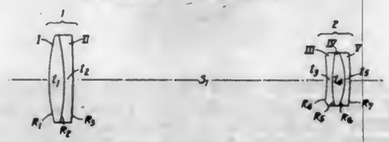
1. A motor comprising a casing structure, an impeller structure of the oscillatory type which with the casing structure defines a pair of variable-volume chambers, the impeller structure being formed with inlet and outlet ports, a valve structure formed with ports for cyclic coaction with those of the impeller structure, spring means for resisting movement of the valve structure with the impeller structure, latching means for compelling the two to move together substantially throughout a half-cycle and thus store energy in the spring means, and contact means for releasing the latching means approximately at the end of the half-cycle and thus causing the stored energy of the spring means to reverse the valves by effecting reverse movement of the valve structure in relation to the impeller structure.

2,559,843
TELEVISION SYSTEM
Alda V. Bedford, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 5, 1946, Serial No. 714,322
4 Claims. (Cl. 178—5.2)



1. In a color television system of the type adapted to receive composite signals containing a first set of signals representative of the optical values of only one of the component colors of an image being televised and a second set of signals representative of the optical values of a second of the component colors of the image and containing signals representative of a selected amount of the optical values of the color represented by the first set of signals, the combination including means for receiving said sets of signals, and electrical mixing means connected to said receiving means for combining a portion of the first set of signals with the second set of signals in opposing phase to eliminate at least partially the signals representative of the portion of the optical values of the color represented by the first set of signals.

2,559,844
OPTICAL OBJECTIVE SYSTEM COMPRISING A POSITIVE MEMBER AND A NEGATIVE AUXILIARY MEMBER
Harold F. Bennett, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 21, 1949, Serial No. 71,965
8 Claims. (Cl. 88—57)



1. An optical system comprising a positive member and a negative auxiliary member axially aligned therewith and optically spaced therefrom by more than $0.2F_1$ and less than $2F_1$ where F_1 is the focal length and $1/F_1$ the power of the positive member, in which each member includes at least one lens element of each sign, in which the Petzval sum of the system is algebraically less than $+0.1/F_1$, and in which the auxiliary member has a total thickness less than $0.5F_1$ and has a power between $-0.16/F_1$ and $-5/F_1$, characterized in that the auxiliary member includes two adjacent lens elements differing in refractive index by more than 0.10 and less than 0.60, the two adjacent surfaces of which differ in

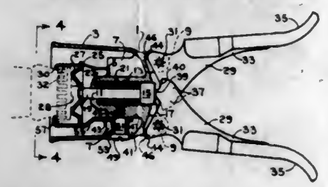
curvature by less than 30% and have a combined power between $-0.1/F_1$ and $-3/F_1$, said combined power also being numerically greater than the sum of the powers of the remaining surfaces of the auxiliary member.

2,559,845

RECIPROCATING PLUNGER TYPE BOTTLE OPENER

Hosmer L. Blum, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana

Application September 14, 1945, Serial No. 616,262
10 Claims. (Cl. 81—3.42)



1. In a crown cap puller, the combination of a body member having a central axis and having radial arms, a plurality of relatively wide, thin, axially-extending, inwardly-facing pawls each having a flat side abutting the end of an arm and pivotally mounted on said body member by pins passing loosely through the pawls and entering the ends of said arms to swing toward and away from said axis, a plunger mounted for movement axially of said body member and means on said body member for moving said plunger and said pawls relatively.

2,559,846

CONCRETE PIPE MOLD

Jacques Boucher, Paris, France, assignor to Compagnie de Pont-a-Mousson, Nancy, France, a French company

Application April 5, 1948, Serial No. 19,034
In France April 11, 1947
6 Claims. (Cl. 25—127)



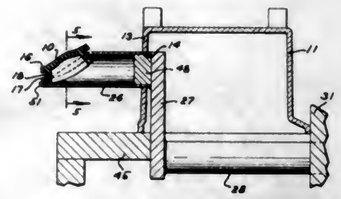
1. A cylindrical mold for casting simultaneously by centrifugation several cylindrical conduit members which have a cross-section, the inner and outer outlines of which are formed by concentric portions of circumferences each having an angle at the centre substantially equal to a sub-multiple of 360°, said mold comprising in combination at least two cylindrical mold parts having annular semi-circular cross-sections and longitudinal radial faces, mechanical external means for joining said parts at said longitudinal radial faces, removable longitudinal separation elements secured to said mold parts and protruding inwardly and radially with respect thereto, the angle at the centre between both adjacent radial longitudinal faces of two successive elements being equal to said sub-multiple, and at least one transversal circular collar housed in said mold and passing between said mold parts and said separation elements.

2,559,847

GROMMET INSERTING MECHANISM

Elmer A. Brickman, Minneapolis, Minn., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 24, 1948, Serial No. 4,149
3 Claims. (Cl. 218—25)



1. A tool for assembling grommets comprising a single piece tubular member having a sloping end portion, and an inwardly extending transverse lip formed on the tip of the sloping end of said tubular member to form an elliptical-ended receptacle for receiving a portion of a grommet therein and supporting said grommet in a laterally compressed condition.

2,559,848

PREPARATION OF PROTEIN SOLUTIONS

John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application May 23, 1947, Serial No. 750,161
4 Claims. (Cl. 106—135)

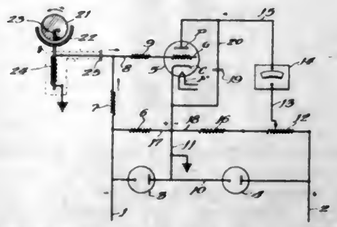
4. The process of preparing protein solutions of high clarity and stability and adapted for use in the manufacture of filaments which comprises incorporating a protein into a liquid consisting essentially of an aqueous acid-solvent essentially comprised of at least one aliphatic monocarboxylic acid of 1–2 carbon atoms contained in 5–25% water, the process being characterized in that the aqueous acid-solvent aforesaid is heated to between 60–80° C. while slowly adding the protein thereto.

2,559,849

ELECTRONIC SPEED INDICATOR

Benjamin L. Covert, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application June 28, 1947, Serial No. 757,767
2 Claims. (Cl. 175—183)



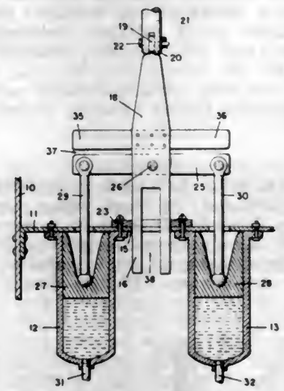
1. Apparatus for indicating the speed of an enclosed rotating member, comprising in combination, a small bar magnet embedded below the surface of said enclosed rotating member, an electromagnetic pick-up positioned externally of the enclosure surrounding said rotating member in a manner opposing said bar magnet, and an electronic circuit connecting with said magnetic pick-up, said circuit including a source of electrical power, voltage regulating tubes, a suitable electrical condenser, a current indicating meter, an electronic discharge tube having a plate, cathode, and a control grid, an adjustable resistor and suitable fixed regulating resistances and capacitances within said circuit rendering said tube normally inoperative, said electrical power supply connecting through regulating resistors to the control grid of said discharge tube and through said adjustable resistor and said current meter to the plate of said discharge tube in a manner providing respectively the grid bias and the plate voltage supply, a grounded neutral line connecting said voltage regulating tubes with the cathode of said discharge tube, said condenser connecting across the plate of said discharge tube and said discharge tube between said neutral line to said cathode, said electromagnetic pick-up grounded on one side and connecting on the other side through a regulating capacitor to said grid of said tube whereby the latter is fired for each voltage impulse passed thereto, and said current meter connects between said adjustable resistor and the plate of said tube within said circuit, whereby the current passing therethrough provides a direct indication of the rate of the tube firing and the speed of said enclosed rotating member.

2,559,850

HYDRAULIC BRAKE TWIN-CYLINDER COMPRESSOR

William L. Davis, Norfolk, Va., assignor of one-fourth to C. T. Saunders, Norfolk, Va.; Myrtle L. Davis administratrix of said William L. Davis, deceased

Application June 24, 1949, Serial No. 101,159
2 Claims. (Cl. 188—204)



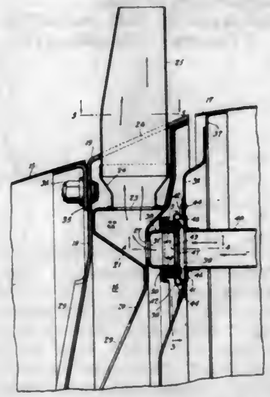
1. In a hydraulic compressor assembly for use with a vehicle having a frame member with a laterally extended bearing, a pair of cylinders secured to said frame member in parallel relation, and a plunger in each cylinder: a push rod adapted to be connected to the usual foot brake pedal, an equalizing bar centrally pivoted to the push rod, and plunger rods directly pivoted to the ends of the equalizer bar and adapted to connect to the plungers in said cylinders, said push rod carrying means to limit the angle of tilt of the equalizer bar, the brake push rod having an extension projecting thru the bearing and snugly fitting same, said extended bearing and said extension having cooperating flat sides to prevent rolling, shifting or tilting.

2,559,851

TEMPERATURE RESPONSIVE COUPLING MEANS FOR RELATIVELY ROTATABLE CONDUIT SECTIONS

George A. Dean, Radburn, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application November 6, 1944, Serial No. 562,193
14 Claims. (Cl. 244—134)



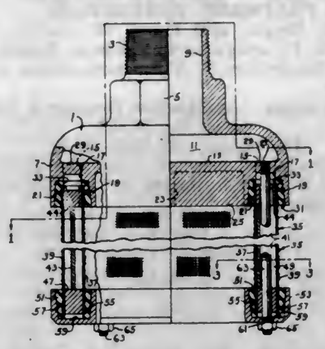
1. In a system for supplying a hot gaseous medium for de-icing or other purposes on an aircraft, conduit means for passing the hot gaseous medium toward a desired aircraft location, said conduit means comprising a fixed member and a rotatable member, said members being normally spaced from each other so that rotation of the rotatable member proceeds without substantial contact at the adjacent surface of the fixed member, and means responsive to the elevated temperature of said hot medium as it flows in said means for sealing said members to produce substantially a sealed running joint at said surface.

2,559,852

FILTER ELEMENT

La Vern H. De Haven, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana

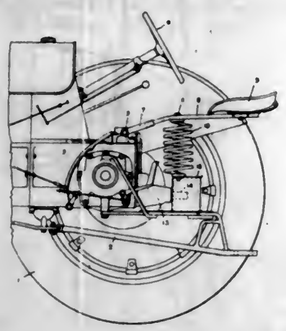
Application August 1, 1946, Serial No. 687,741
8 Claims. (Cl. 210—170)



1. In a filter unit, the combination of a pair of heads, inner and outer cylindrical filter elements concentrically and sealedly mounted between the heads, a corrugated separator disposed between said elements and having its longitudinal edges in contiguous relation, a bar inserted be-

tween said elements and bearing against the contiguous edges of said separator to expand the separator against said outer filter element.

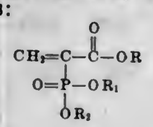
2,559,853
TRACTOR SEAT MOUNTING
Merle C. Detwiler, New Enterprise, Pa., assignor to The Fate-Root-Heath Company, Plymouth, Ohio, a corporation of Ohio
Application April 26, 1945, Serial No. 590,406
2 Claims. (Cl. 155—51)



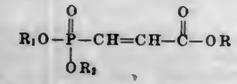
1. In a tractor of the type which includes a rear power take-off mechanism having an exposed shaft as a hazard under the operator, means for protecting and supporting the operator over said shaft including a rearwardly opening housing positionable to cover such shaft, a shock absorber mounted on the tractor and including an element rotatable about a horizontally disposed axis located forwardly of such housing, a rearwardly extending beam having its front end nonrotatably connected to said element, a seat mounted on the rear end of said beam, and a coil spring on said housing disposed between said beam and the aforesaid housing and having its opposite ends respectively fixedly connected to the housing and longitudinally adjustably connected to said beam.

2,559,854
ACRYLIC ACID ESTERS CONTAINING A DIALKYLPHOSPHONO GROUP AND POLYMERS PREPARED THEREFROM
Joseph B. Dickey and Harry W. Coover, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 6, 1948, Serial No. 53,135
12 Claims. (Cl. 260—89.3)

1. A compound selected from the group consisting of those represented by the following two general formulas:



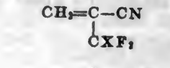
and

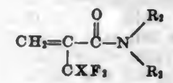


wherein R, R_1 and R_2 each represents an alkyl group of the formula C_nH_{2n+1} wherein n is a positive integer from 1 to 4.

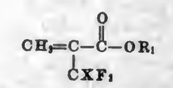
2,559,855
POLYMERIZATION WITH ORGANIC TERTIARY AMINE CATALYSTS
Joseph B. Dickey and Harry W. Coover, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application May 21, 1949, Serial No. 94,743
7 Claims. (Cl. 260—89.7)

1. A process for preparing a resinous polymer of a monomeric, unsaturated compound selected from those consisting of compounds represented by the following general formulas:



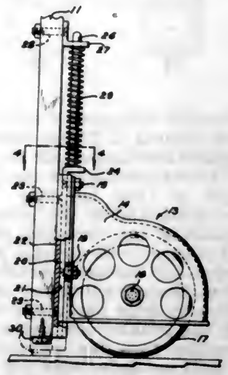


and



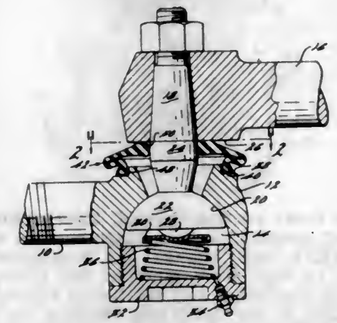
wherein each X represents a member selected from the group consisting of an atom of hydrogen and an atom of fluorine, R_1 represents an alkyl group containing from 1 to 4 carbon atoms and R_2 and R_3 each represent a member selected from the group consisting of an atom of hydrogen, an alkyl group containing from 1 to 4 carbon atoms, a phenyl group and a benzyl group, comprising polymerizing the said monomer in the presence of from 0.01 to 25 per cent by weight of the monomer of an organic tertiary amine selected from the group consisting of a trialkylamine of from 3 to 12 carbon atoms, an N,N,N',N'-tetramethyl alkylene diamine wherein the alkylene group is saturated and contains from 2 to 4 carbon atoms and a nitrogen heterocyclic base containing from 4 to 9 carbon atoms in the ring and wherein the nitrogen in the ring is tertiary nitrogen, the said organic tertiary amine being the sole polymerization catalyst therein.

2,559,856
RETRACTILE ROLLER ASSEMBLAGE
Leslie J. Edhlund, St. Paul, Minn., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 22, 1946, Serial No. 704,863
1 Claim. (Cl. 228—5)



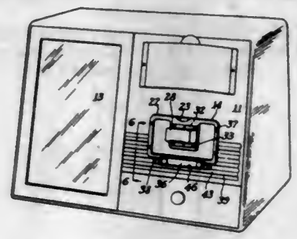
A retractile roller assemblage in combination with a ladder having rails comprising a plate attached to a face of a ladder rail adjacent its lower end and of substantially the width of said rail and having the side edge portions thereof shaped to provide channel shaped slideways, a slidable plate having opposite side edges engaging said slideways and having a portion directed transversely outwardly therefrom above said channel shaped slideways and engageable therewith for limiting the downward movement of said slidable plate, a roller bracket secured to said slidable plate, a roller axially supported on said bracket for rolling on the floor, a member secured to said rail having a guide aperture spaced longitudinally from said slideways, a guide element secured to said transversely directed portion of said slidable plate and extending through said aperture, and a resilient member surrounding said guide element for urging said slidable plate to a position where said roller extends below said rail.

2,559,857
SEAL
Arthur H. Edwards, Farmington, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 28, 1948, Serial No. 57,037
4 Claims. (Cl. 287—90)



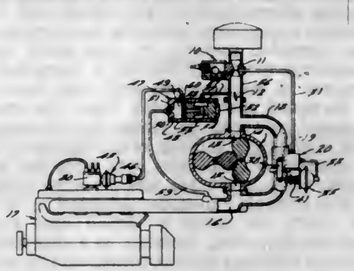
2. In a ball and socket joint adapted for limited universal movement, the combination of a first member having a socket therein and a sealing surface, a second member having a ball portion disposed in said socket and a sealing surface, a closure for one end of said socket and a seal cooperating with said surfaces to close the other end of said socket, said seal comprising a resilient element having a first end thereof fixed to a metal collar which is secured to said first member in contact with said first surface so that relative movement between said first end and said first member is prevented, said resilient element being under compression and having a second end thereof surrounding said second member and being provided with a sealing surface forced into contact with the sealing surface of said second member by the forces of compression, said second end accommodating relative rotation between said element and said second member, and having a relatively thick cross section resisting deformation of said second end as an incident to universal movement of said members, said relatively thick cross section extending to an intermediate portion of said seal and a relatively thin and easily distortable portion extending from said intermediate portion to said first end to accommodate deformation of said seal during the universal movement.

2,559,858
MICROCARD HOLDER FOR VIEWERS
Bruce L. Elie and John C. Haelen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 17, 1949, Serial No. 76,866
6 Claims. (Cl. 88—28)



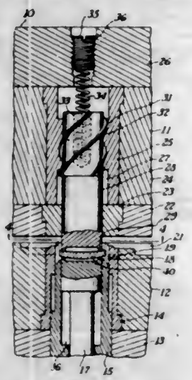
1. The combination with a projection viewer having a wall formed of magnetizable material and provided with an illuminated projection aperture, of a holder adapted to receive a card having rows of micro images positioned thereon, means for positioning said holder on said wall to arrange said images selectively in registry with said aperture, and magnetic means carried by said holder and cooperating with said wall to retain said holder releasably but movably mounted on said wall.

2,559,859
SUPERCHARGED ENGINE CONTROL
Clifton M. Elliott and Eugene P. Wise, Birmingham, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 11, 1948, Serial No. 64,747
26 Claims. (Cl. 123—119)



1. In combination, an internal combustion engine provided with a fuel supply conduit including a carburetor having a throat with a venturi and an intake manifold downstream from the venturi, a blower connected in the fuel supply conduit between the carburetor and the intake manifold adapted to supply a superatmospheric pressure fuel charge to the intake manifold, a throttle valve mounted in the fuel supply conduit between the carburetor venturi and the inlet to the blower, a by-pass conduit around the blower connecting the outlet of the blower to the inlet of the blower, a by-pass valve mounted in the by-pass conduit, and means to automatically control operation of the by-pass valve adapted to select the higher of the vacuums concurrently existing in the carburetor venturi and the intake manifold and to utilize this selected vacuum for operation of the by-pass valve.

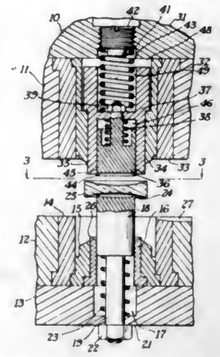
2,559,860
MOLD FOR CENTERING LENSES IN PLASTIC MOUNTINGS
Howard G. Fay, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 28, 1950, Serial No. 141,060
5 Claims. (Cl. 18—36)



5. In an injection mold adapted to be opened and closed and adapted to optically center an uncentered lens in the mold and to mold a peripheral mounting onto said optically centered lens a plurality of movable parts adapted to define a mold cavity, a clamp comprising two clamping members for clamping opposite faces of the lens symmetrically about the optic axis of the lens, each member having a smooth circular contacting surface of small radius of curvature in section whereby substantially a circumferential line contact is obtained with the surface of the lens, the circular contacting surfaces being concentric, parallel and movable axially whereby a clamped lens will move laterally under a clamping pressure until the optic axis is approximately concentric with the contacting surfaces, a threaded member in said mold, one of said clamping members having a threaded surface thereon in engagement with said first-mentioned threaded member and when the mold is being closed adapted to cause the rotation of said one clamping member after clamping pressure is exerted on the lens, whereby the lens is more accurately centered, and a spring attached to said one clamping member adapted to be compressed when the mold is closed and exert a force on the clamping member in a direction toward the lens during said rotation and to expand and cause rotation of the one clamping member in the opposite direction after the mold has been opened and the clamping pressure on the lens, then molded into a mounting, has been released.

2,559,861
MOLD FOR CENTERING RELATIVELY LARGE UNCENTERED LENSES IN PLASTIC MOUNTINGS
Howard G. Fay, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 7, 1950, Serial No. 189,033
6 Claims. (Cl. 18—36)

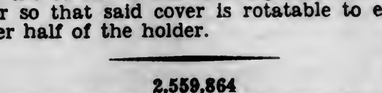
6. In an injection mold adapted to open and close and to optically center an uncentered lens and to mold a peripheral mounting on said lens after it is centered, a lower mold section comprising a base member with a cylindrical aperture therein, a sleeve member positioned on the base member having a cylindrical bore therein which is positioned in alignment with said cylindrical aperture thereby forming a continuous cylindrical space of appreciable length, a piston adapted to be vertically moved in said cylindrical space, spring means associated with the piston adapted to support the piston on spring pressure when the mold is closed and to force the piston upwardly to a normal position when the mold is open, a cup centering circular lens clamp positioned on the upper end of said piston adapted to engage the lens to be centered, another cup centering circular lens clamp positioned on the upper perimeter of said hollow cylindrical member also adapted to engage the lens to be centered, an upper mold section comprising a base member, a member supported by the base member having a cylindrical bore therein, the upper portion of the bore being of greater diameter than the lower portion thereby forming circular shoulder on the inner surface of the member, a cylindrical sleeve placed in said bore the upper portion of its outer diameter being greater



than the lower portion thereof, thereby forming a circular shoulder on the outer surface of the sleeve which will engage the complimentary shoulder on said other member, the sleeve also having an apertured wall positioned crosswise of the interior of the sleeve and forming an upper and lower chamber in the sleeve, a spring positioned in the upper chamber between said wall and the base member adapted to exert spring pressure on said sleeve member when the mold is closed and to return the sleeve member to normal position when the mold is opened, a cup centering circular lens clamp positioned on the lower perimeter of said sleeve adapted to engage the lens being centered, a piston attached to a piston rod and movably positioned in the lower chamber of said sleeve with the piston rod movable through the aperture in said wall, a cup centering circular lens clamp positioned on the lower end of said piston adapted to engage the lens being centered, a spring positioned between the piston and said wall adapted to hold the piston against the lens under spring pressure when the mold is closed and to return the piston to a normal position when the mold is open.

2,559,862
APPARATUS FOR TREATING WINDROWS
John L. Ferguson, Burlington, Iowa, assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application October 28, 1944, Serial No. 560,810
3 Claims. (Cl. 56—372)

1. A machine for treating a windrow of a crop or the like comprising in combination, a wheeled carriage adapted to be drawn along said windrow, a rotatable drum mounted on said carriage for extending underneath said windrow transversely thereof, means for rotating said drum opposite to the direction of rotation of the carriage wheels, said drum being provided with tines rotating with said drum and extending from its periphery to lift the mass of the windrow and redeposit it



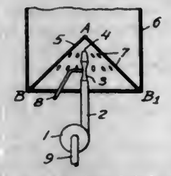
in windrow formation on the stubble, said drum having a speed such that in their uppermost position the tops of the tines have a resultant speed substantially of zero with respect to the ground whereby the windrow is treated while preserving the continuity thereof, said machine having a floating trailing frame having its front end rockably secured to said carriage and having said drum rotatably mounted adjacent its rear end.

2,559,863
TOOTHBRUSH HOLDER
Paul J. Fillman, Louisville, Ky.
Application June 9, 1949, Serial No. 98,069
4 Claims. (Cl. 206—15.1)



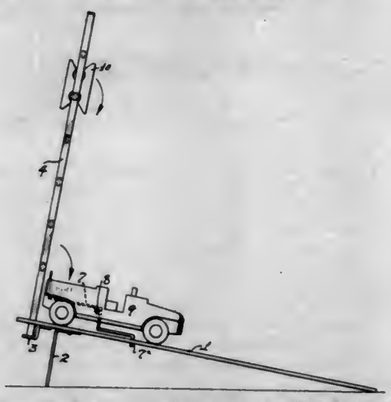
1. A brush holder comprising a case and a cover; said case having a semicircular flat back, a semi-cylindrical member forming the top and sides, a flat bottom provided with brush-handle receiving notches, and a pivot located at the center of curvature of the member forming the top and sides; said cover being semi-circular, of substantially the same size as the back of the case, and provided with means, located at the center of curvature of its periphery, to engage the pivot of the case, and a stop located near the center of the curved periphery of said cover so that said cover is rotatable to expose either half of the holder.

2,559,864
PRODUCTION OF HIGH FREQUENCY WAVES IN A LIQUID MEDIUM
Francis George Firth, New York, N. Y.
Application May 14, 1948, Serial No. 27,093
In Australia March 24, 1948
6 Claims. (Cl. 116—137)



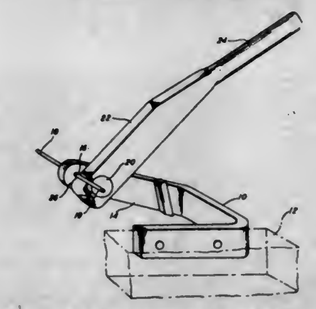
1. A device for producing high frequency vibrations in a liquid medium comprising a container for the medium, a reaction member capable of vibrating at high frequency positioned within the container, means for directing against said reaction member a high velocity jet of liquid, and means for introducing a gas into said liquid jet.

2,559,865
WHEELED TOY DEVICE AND INCLINED SUPPORT
Myron Fleishman, New York, N. Y.
Application March 7, 1946, Serial No. 652,699
1 Claim. (Cl. 46—202)



A toy device comprising an inclined support, a wheeled member adapted to be mounted on said support and open at its top, a pivoted latch device carried by the wheeled member and having an arm extending under said open top of the wheeled member, said latch device having a depending arm adapted for engagement with the inclined support for holding the wheeled member against gravitational movement thereon, the first-named arm of the latch device being adapted to receive the impact and weight of an object for swinging the latch to release the wheeled device.

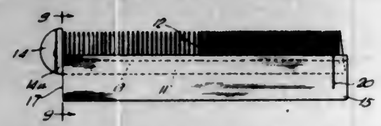
2,559,866
CUTTER
Richard D. Gambrill, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1948, Serial No. 40,215
1 Claim. (Cl. 164—41)



A cutter, which comprises an arm for holding the end of a conductor to be severed, and a cutting element having an acute cutting edge thereon and movable across the face of the arm in contact therewith in a direction such that the cutting edge slices the conductor, the cutting element being so constructed and arranged that

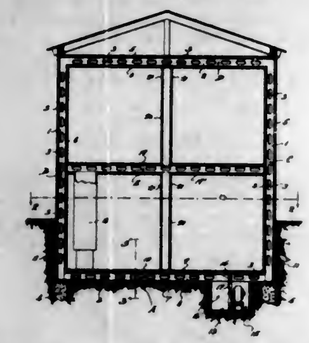
when it is moved in a cutting direction across the face of the arm the slicing action of the cutting edge thereon progressively increases and the cutting edge being so constructed and arranged that the acuteness of the portions thereof in contact with the conductor progressively increase during a cutting operation.

2,559,867
SHEATHED HAIR COMB
Charles J. Garofalo, Brooklyn, N. Y.
Application August 18, 1947, Serial No. 769,193
6 Claims. (Cl. 132—15)



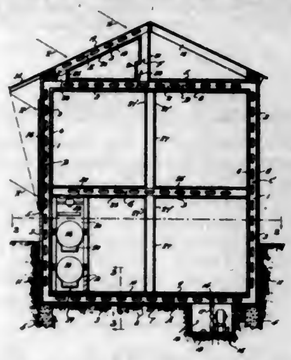
2. A comb and case combination wherein the case may contain and protect the comb or serve as a handle therefor, said combination comprising: a recessed elongated case open longitudinally and at one end; a slideway formed longitudinally of the mouth of the recess in said case; and an elongated comb having a back formed as a slide for reception by said slideway, the back of said comb possessing longitudinally extending ribs of oppositely tapering longitudinal wedge formation and said slideway being formed to mate therewith.

2,559,868
HOUSE STRUCTURE ADAPTED FOR INTERIOR TEMPERATURE CONTROLS
Frazer W. Gay, Metuchen, N. J.
Application August 25, 1948, Serial No. 46,104
1 Claim. (Cl. 237—50)



A house structure comprising external side, top and bottom wall structures having spaced outer and inner walls adapted to provide an air circulating envelope surrounding the entire interior of the house, a heat generating means within the house interior, those areas of said outer wall contiguous to and in contact with the earth being of heat conductive character, whereby to promote transfer of heat between the contiguous earth and air circulating through said envelope, air impulsion means to induce air flow through said envelope, whereby heat from the heat generating means is carried to the earth by the circulating air for storage in said earth during warm weather, thus conserving the output of the heat generating means, while in extremely cold weather the stored heat is returned to the circulating air to increase its temperature and thus reducing the output demanded on the heat generating means.

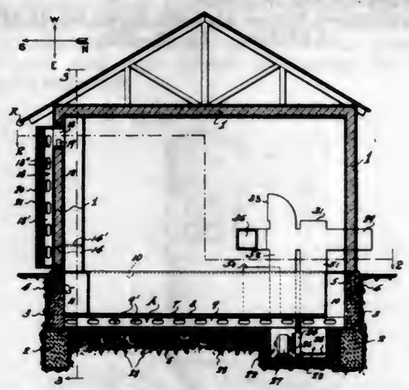
2,559,869
HOUSE STRUCTURE AND HEATING SYSTEM THEREFOR
Frazer W. Gay, Metuchen, N. J.
Application August 25, 1948, Serial No. 46,105
10 Claims. (Cl. 237—50)



6. A house structure comprising side and top wall structures formed by spaced outer and inner walls of heat insulating character, the space between said outer and inner walls providing, in part, an air circulating envelope surrounding the house interior, a ground floor structure comprising a base floor of heat conductive character contiguous to the earth and interior flooring of heat insulating material spaced above said base floor so as to complete the air circulating envelope around the house interior, a heat generating and supplying means within the house interior, means to distribute the supplied heat through the house interior, reversible means to normally circulate air in one direction from the ground floor portion of said envelope through the side and top wall portions thereof back to the ground floor portion thereof, whereby the air moving through said ground floor portion of the envelope is in heat transfer contact with the underlying earth, means to supply solar energy derived heat to the air in said air circulating envelope when the flow direction of the circulating air within the latter is reversed, said latter means comprising a heat conductive roof section exposed to solar rays, an insulating wall spaced beneath said roof section to provide a roof contiguous air flow course, means to connect said roof contiguous air flow course in shunt communication with the air circulating envelope, manipulatable means to open and close such communication, and a southerly exposed section of the envelope outer wall having a solar ray admission portion therein comprising a double glazed window structure contiguous to which the envelope passage extends.

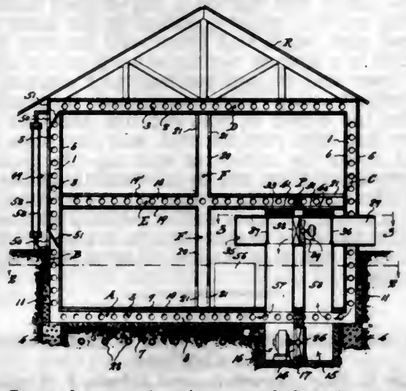
2,559,870
HOUSE HEATING SYSTEM
Frazer W. Gay, Metuchen, N. J.
Application August 24, 1949, Serial No. 112,089
6 Claims. (Cl. 237—1)

1. In a house heating system, a heat pump and means to circulate its pumped heat for heating the house interior, the earth mass beneath the house being adapted to serve as a heat storage body, a refrigerant fluid evaporator for said heat pump, means to deliver heat from the house exterior across the evaporator, means adapted to be operative in extremely cold weather for delivering heat from the heat storage body to said evaporator, a solar heat trap, means for recirculating a heat transmitting fluid through the solar heat trap and contiguous to the heat storage body for transfer of solar produced heat to the heat storage body and for transfer of stored heat from the heat storage body to said evaporator, a refrigerant fluid condenser for said heat pump, means to deliver air from the house exterior



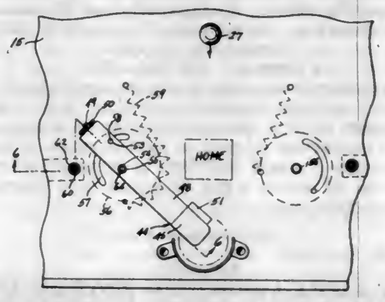
across the condenser, and piping imbedded in the heat storage body through which hot condensate from the condenser passes in circulation back to the evaporator, whereby heat from said condensate is transferred to the heat storage body to supplement the heat stored therein.

2,559,871
HOUSE STRUCTURE AND HEATING SYSTEM THEREFOR
Frazer W. Gay, Metuchen, N. J.
Application August 24, 1949, Serial No. 112,090
7 Claims. (Cl. 237—1)



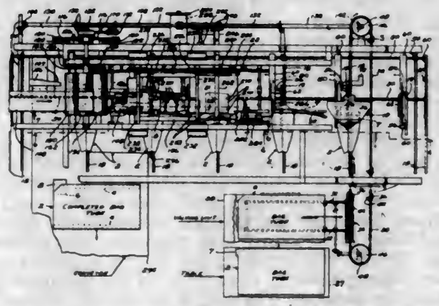
1. In a house structure and heating system therefor, said house structure comprising side and top wall structures formed by spaced outer and inner walls of heat insulating character, the space between said outer and inner walls providing, in part, an air circulating envelope surrounding the house interior, a ground floor structure comprising a base floor of heat conductive character contiguous to the underlying earth and an interior flooring of heat insulating character spaced above said base floor so as to complete the air circulating envelope around the house interior, the earth mass beneath said ground floor structure being adapted to serve as a heat storage body, a heat pump for heating the house interior, a refrigerant fluid evaporator for said heat pump, means to deliver at will heat from the house exterior across the evaporator, means adapted to be operated in extreme cold weather for delivering heat from the heat storage body across said evaporator, a refrigerant fluid condenser for said heat pump, means to deliver air from the house exterior across said condenser, and piping imbedded in the heat storage body through which hot condensate from the condenser passes in circulation back to the evaporator, whereby heat from said condensate is transferred to the heat storage body to supplement the heat stored therein.

2,559,872
BATTING MEANS FOR MECHANICAL BASEBALL GAMES
Walter G. Grohman and Sanford H. Grohman, New York, N. Y.
Application June 17, 1949, Serial No. 99,598
17 Claims. (Cl. 273—89)



15. In a game apparatus of the character described, the combination of a game board, a bat body movably mounted on the board; said bat body having a bore longitudinally therethrough, a shaft revolvably positioned in said bore and extending from both ends of the bat body, a bat tip securely carried on one end of the shaft, a gear securely carried on the other end of the shaft, and a rack means mounted on the board in the path of the gear, adapted to rotate the gear upon engagement therewith.

2,559,873
MACHINE FOR AND METHOD OF MANUFACTURING VALVE BAGS
William F. Grupe, Lyndhurst, and Arthur P. Bamford, Irvington, N. J., assignors to Arkell & Smiths, Canajoharie, N. Y., a corporation of New York
Application October 19, 1944, Serial No. 559,448
12 Claims. (Cl. 93—8)



1. In a machine for use in the manufacture of valve bags of the class described, means for

spreading and flattening the valve of a valve bag previously to closing the valve end of the bag, means for folding the inner end of the valve flap back upon itself, and means for securing the inner end of a sleeve patch to the outer surface of the folded over end of the valve flap.

7. The method of applying a patch to the valve flap of a valve bag to form a filling sleeve which comprises folding the inner end of the flap back upon itself, pasting the inner margin of the patch over the outer side of said folded end of the flap, returning said end of the flap to its unfolded condition so as to position said pasted margin of the patch on the under side of the flap, and folding the remaining portion of the patch over the outer side of the flap.

2,559,874

MANGANESE ELECTROWINNING PROCESS

William L. Hammerquist, Knoxville, Tenn., assignor to Electro Manganese Corporation, Knoxville, Tenn., a corporation of Delaware

No Drawing. Application February 4, 1946, Serial No. 645,481
4 Claims. (Cl. 204—105)

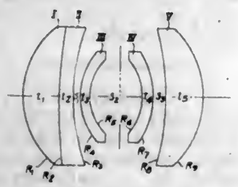
1 Process of treating a manganese sulfate-ammonium sulfate aqueous solution for use as catholyte in the electrowinning of manganese which comprises adding to said solution thiourea to provide in said solution a concentration of thiourea of about 0.005 to about 0.06 gram per liter of thiourea.

2,559,875

WIDE ANGLE CORRECTED PHOTOGRAPHIC OBJECTIVE COMPRISING FOUR MENISCUS COMPONENTS IN AXIAL ALIGNMENT

Maximilian J. Herzberger, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 21, 1949, Serial No. 134,254
6 Claims. (Cl. 88—57)



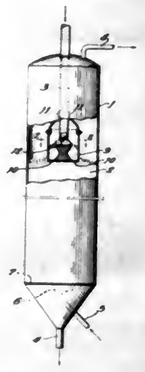
1. A photographic objective comprising two negative meniscus inner components concave toward each other and enclosing a central airspace and diaphragm therein and two positive meniscus outer components concave toward the negative components and all axially aligned and airspaced apart, characterized by the front positive component being compound and consisting of a negative element facing the negative components and a positive element cemented thereto, by the curvature of the cemented surface so formed being between $-1/F$ and $+2/F$ where F is the focal length of the objective and where the $-$ and $+$ values indicate curvatures respectively convex and concave toward the negative components, and by the refractive index of the negative element being greater than that of the positive element by between 0.08 and 0.25 and its dispersive index being between 70% and 130% of that of the positive element.

2,559,876

DEVICE FOR CONTROLLING THE LEVEL OF SUBDIVIDED SOLID PARTICLES WITHIN A CONTACTING CHAMBER

James Hoekstra, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application August 31, 1948, Serial No. 46,982
6 Claims. (Cl. 23—288)



5. An apparatus for conducting solid particle and fluid contacting in a fluidized process and having means for maintaining a substantially constant level fluidized particle bed therein, comprising a confined and substantially vertical contacting chamber, a particle inlet conduit extending into said chamber and terminating vertically in the upper portion thereof, a particle outlet at the lower end of said chamber, a fluid inlet at the lower end of said chamber and a product outlet at the upper end thereof, a cup-shaped member having particle outlet openings in the lower end thereof and positioned below said particle inlet conduit in a manner having its walls extend above the lower end of said vertical inlet conduit, an imperforate stop plate positioned horizontally within the center of said cup-like chamber and below said inlet conduit, with said stop plate elevated above the bottom of said cup-like member a distance of from one to one-half times the inside diameter of said inlet conduit and with the area between the inner wall of said cup-like member and the edge of said stop plate being at least four times the total area of said particle outlet openings.

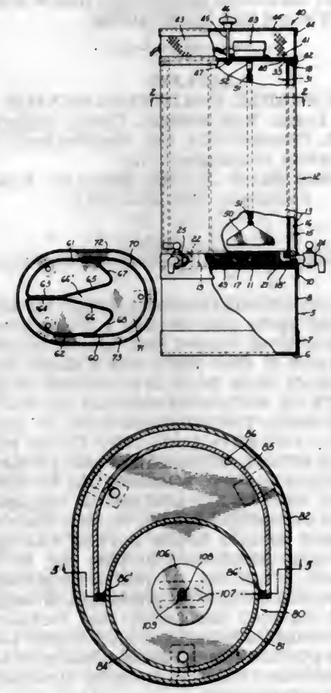
2,559,877

COMBINED CONTAINER AND DISPENSER FOR LIQUIDS

Orden E. Ihle, Glendale, and Edwin J. Kapteyn, Los Angeles, Calif., assignors to Orden E. Ihle, doing business as Ihle Manufacturing Company, Glendale, Calif.

Application December 6, 1948, Serial No. 63,814
8 Claims. (Cl. 222—131)

1. A liquid dispensing device, comprising: an outer shell member; a receptacle member disposed within said outer shell member with its sides in spaced relation thereto to provide a thermal insulating space therebetween, said receptacle having an open top and a closed bottom; vertical transverse partition means within said receptacle member extending between opposite walls thereof and dividing the interior thereof into at least two containers, at least one of said containers being adapted to contain a liquid to be dispensed and having a discharge port therein, and at least one of said containers being adapted to contain a cooling agent for cooling said liquid, said partition means having relatively high thermal conductivity so as to cause said cooling agent to effect cooling of said liquid, said partition means being non-planar and having a surface area greater than the cross-sectional area of said receptacle member; manually operable means for controlling discharge of the liquid through said port; and cover means for closing the top of said receptacle.



7. A liquid dispensing device as defined in claim 1 and including: an agitator disc rotatable within said container for liquid; rotary power means disposed outside said container; and cooperable magnetic means on said disc and said power means by which said disc is rotated by said power means.

2,559,878

ZINC AND CADMIUM PASSIVATING BATH

Donald M. Johnson, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application December 29, 1948, Serial No. 68,069
7 Claims. (Cl. 148—6.21)

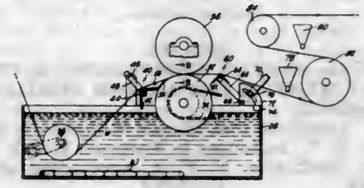
5. The method of passivating zinc and cadmium surfaces of parts which consists in dipping the parts in a solution of a trivalent salt of chromium selected from the group consisting of chrome alum and chromic sulphate, and nitric acid in water, wherein the salt of chromium constitutes approximately one ounce for each gallon of water, and the nitric acid constitutes from .1% to .75% by volume of the solution, and holding the parts in the solution for from 5 to 20 seconds while maintaining the solution at from 50° F. to 130° F.

2,559,879

METHOD OF MAKING ASPHALT COVERING UNITS

John B. Kalin, South Gate, Calif., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application January 31, 1945, Serial No. 575,513
7 Claims. (Cl. 117—9)



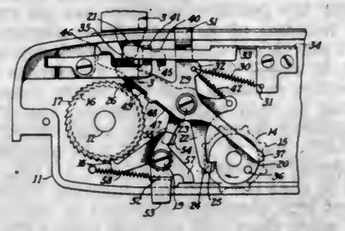
1. A method of making covering units such as shingles comprising applying a layer of an asphaltic coating material to a surface of a web, laterally distorting said web into relatively depressed and elevated areas and leveling the coating on said distorted web whereby said coating will be of lesser thickness on the elevated area and a greater thickness on the depressed area of said web, and severing covering units from said web.

2,559,880

FILM MEASURING AND DOUBLE-EXPOSURE PREVENTION DEVICE

Robert E. Kesel and Robert F. Blattner, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 30, 1949, Serial No. 118,902
10 Claims. (Cl. 95—31)



1. In a roll-film camera, the combination with a camera body having a winding mechanism mounted thereon and including a winding spindle for winding up the film and moving the latter across said camera, a ratchet carried by said spindle, a film-measuring roll mounted on said body so as to be engaged by and rotated when said film is moved, a movable shutter plunger mounted for reciprocation on said body, of a pair of levers mounted on said body for rocking movement about a common pivot, at least one of said levers having a portion thereof positionable in the path of said plunger, means controlled by said measuring roll for rocking one of said levers in one direction and into engagement with said ratchet to lock said spindle after a predetermined length of film has been moved, spring means tending to move the second lever in the opposite direction, means for moving said second lever in said one direction and against the action of its spring to cock said second lever, displaceable means for holding said second lever in its cocked position, said last mentioned means when in its holding position being positioned in the path of said plunger so as to be engaged and displaced by said plunger and moved out of contact with said sec-

ond lever when said plunger is actuated to free said second lever, said spring then serving to rock said second lever in the opposite direction, and means for moving said first lever in said opposite direction and out of locking relation with said spindle to free the spindle, the movement of said levers in said opposite direction serving to position said portion in the path of said plunger to prevent actuation thereof until the film is moved.

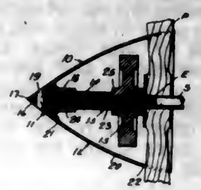
2,559,881
OPTICAL SYSTEM COMPRISING A POSITIVE MEMBER AND A WEAK AUXILIARY MEMBER
Rudolf Kingslake and Harold F. Bennett, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 21, 1949, Serial No. 71,964
8 Claims. (Cl. 88—57)



1. An optical objective comprising a positive member and a weak auxiliary member axially aligned therewith and spaced therebehind by more than $0.3F_1$ and less than $1.6F_1$, where F_1 is the focal length and $1/F_1$ the power of the positive member, in which F_1 is between 0.6 and 3.0 times the focal length of the objective as a whole, in which each member consists of a plurality of lens elements including at least one of each sign, in which the positive member has an undercorrected residual of a longitudinal aberration for at least one object distance at which the objective is used, in which the auxiliary member is between the positive member and the image plane corresponding to said object distance, and in which the auxiliary member has a total thickness less than $0.3F_1$, has at least two lens elements, and has a power between $+1/F_1$ and $-1/F_1$, characterised in that the auxiliary member includes two adjacent lens elements differing in refractive index by more than 0.06 and less than 0.60 and differing in dispersive index by less than 20, the two adjacent surfaces of which differ in curvature by less than 30% and have a combined power between $-0.2/F_1$ and $-1.5/F_1$ and in that the sum of the powers of the other surfaces of said auxiliary member is between $+0.5$ and -1.5 times that of said two adjacent surfaces, whereby the auxiliary member contributes to the said aberration in a sense opposite to that of the positive member when used at said object distance.

2,559,882
NOSE CONSTRUCTION FOR MODEL AIRPLANES
William H. Lanier, Glendale, Calif.
Application August 17, 1948, Serial No. 44,632
5 Claims. (Cl. 46—73)

1. In a model airplane having a fuselage terminating in a front edge and having a motor shaft and a propeller on said shaft forward of said edge, the combination of a flywheel on the end of said shaft forward of the propeller, a threaded stud engaged with the flywheel and axially aligned with the motor shaft, a streamlined cowl positioned to form a forward extension of the fuselage, and means engaged with



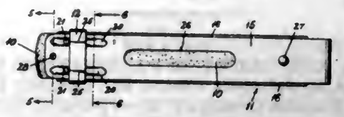
said stud for mounting said cowl to rotate with the stud, the flywheel and the propeller.

2,559,883
ADJUSTABLE FASTENING DEVICE
Robert C. Legat, New Britain, Conn., assignor to The G. E. Prentice Mfg. Co., Kensington, Conn., a corporation of Connecticut
Application March 19, 1949, Serial No. 82,454
4 Claims. (Cl. 24—206)



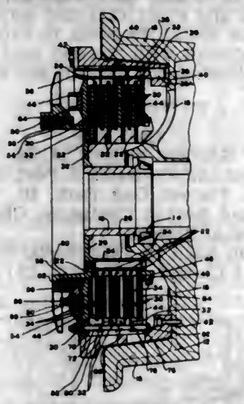
1. In an adjustable fastening device for securement to two parts and having a track provided with a plurality of spaced stop elements secured directly to one of such parts and a slider secured to the other of such parts and slidably mounted on said track for adjustably securing the two parts together, a clamp pivotally connected at one end to the slider and having an outer finger portion and a shank portion intermediate said pivoted end and said finger portion, a locking lug on the pivoted end of said clamp adapted to engage said track and a second locking lug on said shank portion adjacent to said finger portion and spaced from said first mentioned locking lug so as to engage said track at a point longitudinally spaced from the point of engagement of said first mentioned lug with the track, said locking lugs and the intermediate parts of said shank portion spanning a portion of said track greater in length than the combined width of two stop elements and the space therebetween.

2,559,884
ERASER
Herbert G. Lehmann, Bridgeport, Conn.
Application June 18, 1947, Serial No. 755,323
6 Claims. (Cl. 120—36)



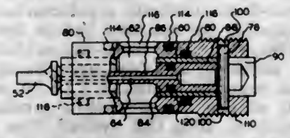
6. A holder for a thin elongate slab of erasing material, comprising a pair of opposed, elongate, coextensive, flat, sheet metal strips disposed broadside to each other and connected together at one pair of corresponding ends, the unconnected end of one strip having a pair of longitudinally extending reinforcing ribs projecting from its outer surface, and the unconnected end of the other strip having a centralized longitudinally extending reinforcing rib projecting from its outer surface; and a slide band having a cut in one side portion, said band being slidable over the strips and engageable with the said pair of ribs, and the cut in the band providing clearance for the said centralized rib.

2,559,885
DISK BRAKE
Erwin F. Loweke, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application November 28, 1947, Serial No. 788,421
8 Claims. (Cl. 188—72)



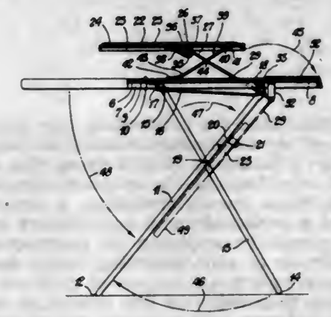
1. A wheel brake assembly comprising a wheel body, a relatively fixed wheel mounting structure, means mounting said wheel body for rotation upon said mounting structure, a series of brake lining elements carried by said wheel body in axially spaced relationship with respect to each other, a series of brake surface elements carried by said wheel mounting structure and interleaved with said brake lining elements so as normally to be dis-engaged from the latter and so that all the brake surface elements have brake lining elements disposed adjacent the opposite surfaces thereof, whereby all the brake surface elements are subjected, on their opposite said surfaces, to the frictional rubbing contact of their corresponding brake lining elements during the operation of the brake, and means for applying an external force to said assembly of brake surfaces and brake lining elements to cause them operatively to engage with one another so as to apply the brake.

2,559,886
BRAKE VALVE ASSEMBLY
Erwin F. Loweke, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application August 23, 1948, Serial No. 45,749
7 Claims. (Cl. 277—20)



1. A valve cartridge unit adapted for use with a hydraulic regulator valve for brakes and the like, to provide for the opening of the regulator inlet valve as well as for the return flow of the pressure liquid from the regulator brake chamber and for a choked flow of the pressure liquid to the displacement chamber for synchronizing the "feel" at the pedal with the application of the brakes, said cartridge unit comprising an outer sleeve adapted to be adjustably and removably secured within the bore portion of the body part of the regulator valve containing said inlet valve and the brake and displacement chambers, an inner sleeve member slidably mounted within and carried by said outer sleeve, a separate rod member extending through the interior of said inner sleeve and defining, with registering openings in the latter and the outer body part, the said return chamber for the brake pressure liquid, said rod being also slidable within the said inner sleeve to permit the rod to actuate the regulator inlet valve, said inner and outer sleeves and said rod having registering side openings, and a common connector member engaged in said openings and connecting said sleeves and rod in unified telescoped relation, said connector member being removable from said openings to free the sleeves and rod for separation when the cartridge unit is removed from the regulator body part.

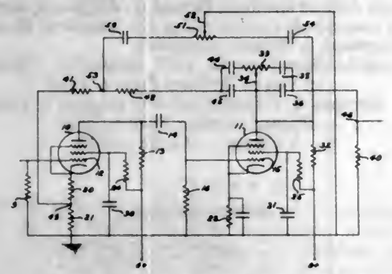
2,559,887
IRONING BOARD WITH FOLDABLE LEGS AND A SLEEVEBOARD ATTACHMENT
James Alfred Ludlow, Bromley, England, assignor to Campbell Engineering Co. Limited, Bromley, England, a British company
Application June 19, 1947, Serial No. 755,555
In Great Britain July 4, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 4, 1966
1 Claim. (Cl. 38—103)



In combination with an ironing board, a pair of U-shaped leg frames pivotally connected together between their ends and adapted to form in extended cross relation a support for said ironing board, apertured brackets projecting downwardly from the under surface of said ironing board for pivotally attaching one of said leg frames to said under surface near one end thereof, two parallel metal straps fixed a desired distance apart to the said under surface between the said brackets and the other end of the ironing board for slidably guiding one end of the other frame on the under-surface of said ironing board, a sleeve board, a second pair of U-shaped leg frames pivotally connected together between their ends and adapted to form in extended cross relation a support for said sleeve board in its operative position in spaced relation above said ironing board, and between its ends a pair of slotted brackets extending downwardly from the under surface of said sleeve board and having mounted therein one end of one of said U-shaped sleeve board leg frames, a further pair of brackets extending downwardly from the under surface of said ironing board between said pivot connection of said first mentioned ironing board leg frame and the adjacent end of said ironing board, said further brackets having pivotally connected thereto the other end of the beforementioned U-shaped sleeve board leg frame, said sleeve board leg frame having such length and disposition that the sleeve board is adapted to be

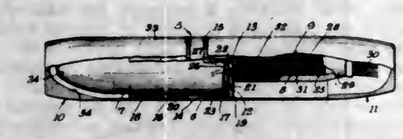
swung from its centrally operative erected position on the ironing board, rearwardly over the end of said ironing board into an inoperative position parallel to and adjacent the U-shaped leg frame which is pivotally attached to the ironing board, and a spring clip on said last-named U-shaped leg frame having two clip portions proper for releasably engaging the side edges of the sleeve board to hold it in its inoperative position.

2,559,888
HIGH AND LOW FREQUENCY CONTROL FOR AMPLIFIER CIRCUITS
Ronald A. Makepeace, Montreal, Quebec, Canada, assignor, by mesne assignments, to Northern Electric Company, Limited, Montreal, Quebec, Canada, a corporation of Canada
Application September 20, 1947, Serial No. 775,285
18 Claims. (Cl. 179—171)



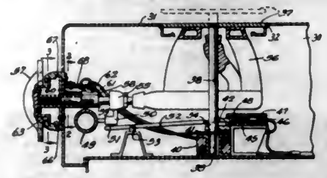
1. An apparatus for controlling the frequency response of a multi-stage electronic amplifier comprising a feedback circuit from the output circuit of one stage to the cathode circuit of a preceding stage, means including a series connection of a resistance and capacitance in said feedback circuit for applying the feedback signal to the cathode of said preceding stage, coupling means for coupling the output of said one stage to a device responsive to the output, a resistor connected between said coupling means and said feedback circuit, and means for connecting selected portions of said resistor to the output of said one stage for simultaneously changing the impedance to a selected band of frequencies between said output and the end of the coupling means opposite to the end adjacent to said output and inversely changing the impedance to said band of frequencies between said output and feedback circuits.

2,559,889
LIPSTICK HOLDER
Richard F. Matthews, Huntington Park, Calif.
Application May 27, 1946, Serial No. 672,552
3 Claims. (Cl. 206—56)



1. A cosmetic device comprising an outer cup, a lipstick carrying cup slidably fitting in the outer cup, the outer cup having an end wall provided with a central threaded hole, a screw stem affixed to the inner cup and threadedly engaged in and extending outwardly through said hole, the threads on said stem terminating short of the outer end thereof and said outer end being provided with knurls, the outward movement of the inner cup relative to the outer cup being, thereby, limited by said knurled end, and an elongated tubular member having an axial bore of a size to tightly yet removably fit said screw stem both over the threads and knurls thereon, said member constituting a handle for rotating the screw stem to axially and adjustably move the inner cup in the outer cup, the handle member being slidable along the stem to bring the same into end abutment with the end wall of the outer cup in all adjusted positions of the inner cup.

2,559,890
RANGE STRUCTURE
Leo E. Mendel and Frederick J. Port, Chicago, and Charles L. Turner, Oak Park, Ill., assignors to Cribben and Sexton Company, Chicago, Ill., a corporation of Illinois
Application April 12, 1946, Serial No. 661,748
4 Claims. (Cl. 126—39)



1. In a range, a frame providing a range top member having at least one burner opening, a burner aligned with said opening, a movably mounted grate member over said burner, and solenoid-operated means for moving the grate between lowered and raised positions, and latch means operative releasably to secure the grate in its elevated position.

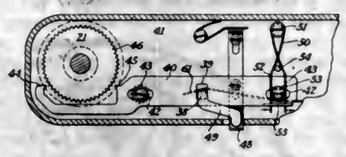
2,559,891
PRODUCTION OF UREA-FORMALDEHYDE HARDENED FOAM
Leonard S. Meyer, Newark, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application December 13, 1947, Serial No. 791,667
7 Claims. (Cl. 260—2.5)

1. In a process of producing hardened foam by foaming an aqueous solution containing a urea-formaldehyde condensation product and an acid-reacting hardening agent, a method of increasing the compressive strength of the resulting hardened foam that comprises the steps of (1) incorporating free urea in the solution after formation of the urea-formaldehyde condensation product and (2) foaming the solution before the free urea has reacted with the urea-formaldehyde condensation product, the free urea being incorporated in an amount which is 5 to 60 per cent of the weight of the condensation product and is small enough so that the overall free and combined molal formaldehyde-urea ratio is not less than 1:1.

2,559,892
FILM WINDING CONTROL FOR CAMERAS
Joseph Mihalyi, Clarence W. Pribus, and Herbert A. Bing, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 2, 1949, Serial No. 113,862
17 Claims. (Cl. 242—71)

1. A film winding control for cameras of the type employing apertured roll film and a film

moving knob for moving film in both directions through a camera from a supply to a take-up chamber and back, said film including spaced aligned apertures, one for each exposure and a stop aperture offset from the aligned apertures, said control comprising, in combination, a ratchet on the knob and movable therewith, a movable pawl carrying two points engageable with the ratchet, one at a time, to prevent rotation of



the ratchet in either direction according to the position of the pawl, said pawl having a neutral position with both pawl points out of engagement with the ratchet, a film engaging lever connected to the pawl for operating the pawl when the knob is turned and a film aperture moves the film engaging lever in one direction to engage a pawl point with the ratchet halting movement of knob and the film.

2,559,893
METHOD OF COATING CELLULOSE ESTER FILMS
Gale F. Nadeau and Fred W. Hoyt, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 4, 1946, Serial No. 701,074
2 Claims. (Cl. 117—144)

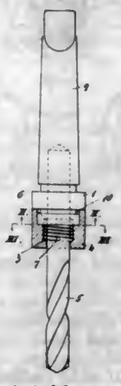
1. The method of preventing optical contact between superimposed surfaces of transparent cellulose ester films without substantially impairing the transparency of the films comprising substantially uniformly coating at least one surface of the film with a suspension containing 0.1 to 0.2% bentonite particles of a particle size within the range of 50 to <5 microns in a solution of 0.5% low viscosity cellulose acetate in 55% methanol, 10% methyl Cellosolve and 35% acetone, and affixing the bentonite particles to the surfaces by drying the coating.

2,559,894
SHOWER HEAD
Carl H. Nordell, Palm Springs, Calif.
Application February 25, 1948, Serial No. 10,700
3 Claims. (Cl. 299—141)



1. In a shower head, the combination of a cup-like shell, a ring secured to the lower open end of the shell and partially closing the latter, a diaphragm of relatively soft rubberlike material resting upon the inner surface of said ring, said diaphragm having a plurality of slits formed therein inwardly of the opening in the ring and having a rim substantially thicker than the remainder of the diaphragm, an inverted cuplike retainer having a flange engaging the diaphragm just inside the rim along an annular surface opposite the ring, and means connecting the retainer with the central portion of the diaphragm to move the latter inwardly and outwardly, thereby to vary the effective shape of the diaphragm.

2,559,895
TOOLHOLDER
Helge Gösta Norlander, Stockholm, Sweden
Application February 4, 1948, Serial No. 6,162
In Sweden November 14, 1947
2 Claims. (Cl. 279—23)



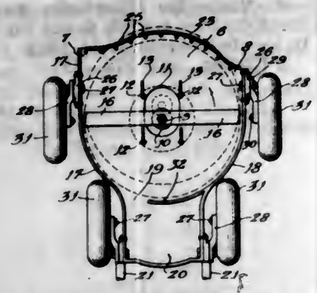
1. A chuck for rotatable machinery tools comprising a body member having in the face of one end a cylindrical axial bore and a transverse groove, in a substantially cup-shaped socket member rotatably secured to the body member, the open end of the socket member receiving the said end of the body member, the bottom of the socket member having an opening therethrough in alignment with the bore of the body member for insertion of the shank of a tool to be held, the inner wall of the socket member including an axial groove, and a helical spring having convolutions of substantially uniform diameter disposed within said socket member, one end of said spring engaging said transverse groove and the other end said axial groove, the inner diameter of the spring convolutions corresponding approximately to the diameter of the shank of a tool to be held in the chuck.

2,559,896
PROCESS FOR PURIFYING N-METHYL-p-AMINOPHENOL
John L. Patterson, James E. Beach, and George F. Feldbauer, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 22, 1947, Serial No. 770,188
6 Claims. (Cl. 260—574)

1. In the process for preparing N-methyl-p-aminophenol by condensing methylamine with hydroquinone, wherein an alkaline aqueous solution of the sodium salt of N-methyl-p-aminophenol is obtained, the step which comprises contacting the said alkaline aqueous solution with a chlorinated aliphatic hydrocarbon selected from the group consisting of 1,2-dichloroethane, 1,1,2-trichloroethane, 1,1,2-trichloroethylene, 1,1,2,2-tetrachloroethane and 1,1,2-trichloropropane, al-

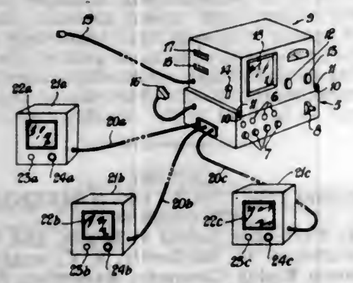
lowing the resultant mixture of liquids to settle into two layers, and then separating the aqueous layer containing the sodium salt of N-methyl-p-aminophenol from the chlorinated aliphatic hydrocarbon layer.

2,559,897
POWER MOWER
William H. Phelps, Ralston, Nebr.
Application September 24, 1947, Serial No. 775,932
9 Claims. (Cl. 56—25.4)



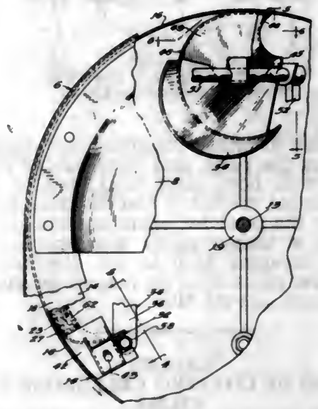
1. In a power mowing machine, a horizontal metal platform, a vertical driven shaft journalled in said platform and provided on its lower end with a horizontally rotatable cutter blade, said platform having a wide front portion and a narrow rear portion, downwardly extending baffles on the side edges of said platform and terminating at one end adjacent the rear end of said narrow rear portion, one of said baffles having a portion extending partway across the front end portion of the narrow rear portion to form a restricted opening for cut grass.

2,559,898
RADIO AND INTERCOMMUNICATION APPARATUS AND SYSTEM
Owsiej Plawczyk, London, England
Application September 2, 1948, Serial No. 47,444
In Great Britain September 9, 1947
7 Claims. (Cl. 179—1)



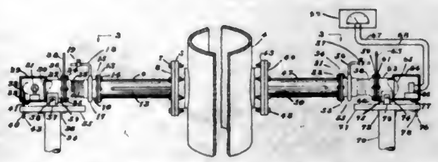
1. An electric wave intercommunication system comprising a main station unit, a plurality of sub-station units, means electrically connecting said sub-station units to said main station unit, a separate radio receiver-amplifier unit capable of use independently of said station units, means mechanically coupling said radio receiver-amplifier unit and said main station unit, means electrically coupling said radio receiver-amplifier unit and said main station unit, and control means for selectively effecting operation of said radio receiver-amplifier unit as a radio receiver or as an amplifier for said main station unit and said sub-station units.

2,559,899
APPARATUS FOR TREATING SOLIDS AND/OR LIQUIDS
Harold B. Pullar, Chicago, Ill., assignor to The Kinetic Mixer Company, Inc., Chicago, Ill., a corporation of Illinois
Continuation of application Serial No. 636,869, December 22, 1945. This application July 24, 1947, Serial No. 763,380
7 Claims. (Cl. 259—161)



1. In an apparatus adapted for uniformly and effectively impregnating and coating road aggregate materials with an asphaltic binder, a cylindrical receptacle journaled for rotational movement about a horizontal axis for forming said materials and binder into an annular revolving mass, and an arcuate arresting blade disposed below the horizontal axis of the receptacle adjacent its downwardly moving side for suddenly arresting the travel of said mass to convert the kinetic energy therein into effective work of impregnating and coating the aggregate materials with said binder.

2,559,900
METERING METHOD AND MEANS
John H. Ramser, Chester, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application June 11, 1947, Serial No. 753,983. Divided and this application July 29, 1949, Serial No. 107,515
5 Claims. (Cl. 250—218)

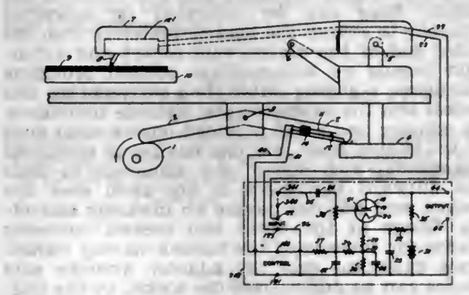


1. Apparatus for determining the concentration of entrained solids in a gas, which comprises a duct having opposed openings in the walls thereof, pipes associated with said duct and communicating with said openings, a light source positioned within one of said pipes, a light sensitive element positioned within the other of said pipes, and means attached to said pipe for inhibiting the transfer of heat and vibration from said duct to said light source and said light sensitive element.

2,559,901
COATING FOR PAPER AND METHOD OF PRODUCTION
Louis J. Scheid, Watervliet, Mich., assignor to Watervliet Paper Company, Watervliet, Mich.
No Drawing. Application February 6, 1947, Serial No. 726,953
8 Claims. (Cl. 106—154)

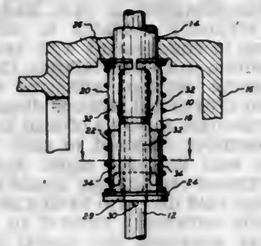
1. In the process of producing a coating composition for paper, characterized by a high degree of smoothness and by improved ink receptivity, the steps of solubilizing soy bean flour in water by adding an amylolytic enzyme to solubilize the mucilaginous content of the soy flour to render the solution less viscous and to prevent formation of hard crystalline lumps, solubilizing the protein content of the soy flour by the addition of an alkali to the water to render the solution less viscous, and mixing the resulting solubilized soy flour solution and a filler of earthy material to form a coating mixture for paper.

2,559,902
BIAS BLOCKING MEANS TO CUT OFF AMPLIFIER DURING RECORD CHANGING OPERATION
Hermon Hosmer Scott, Lincoln, Mass.
Application September 27, 1946, Serial No. 699,714
21 Claims. (Cl. 179—100.4)



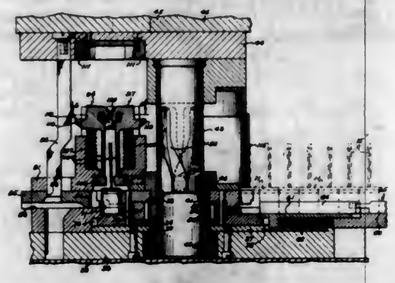
1. A system for reproducing a signal from a recording having, in combination, a pick-up unit between which and the recording a predetermined positional relationship may be established in which the pick-up unit may pick up the signal from the recording during relative operation of the pick-up unit and the recording, means for establishing the predetermined positional relationship between the pick-up unit and the recording, means for relatively operating the pick-up unit and the recording at times when the predetermined positional relationship between the pick-up unit and the recording is established to enable the pick-up unit to pick up the signal from the recording, a signal-transmission circuit, means for connecting the pick-up unit to the signal-transmission circuit to render the signal-transmission circuit effective to transmit the picked-up signal in order to reproduce the transmitted picked-up signal, and means for rendering the signal-transmission circuit ineffective to transmit the picked-up signal during the establishment of the predetermined positional relationship by the establishing means and during a predetermined length of time thereafter in order to prevent the transmission and the reproduction of the picked-up signal during the establishment of the predetermined positional relationship by the establishing means and during the said predetermined length of time thereafter.

2,559,903
SPRING DAMPENER
John L. Sjolander, Cleveland, Ohio, assignor to Cleveland Wire Spring Company, Cleveland, Ohio, a corporation of Ohio
Application January 31, 1947, Serial No. 725,547
1 Claim. (Cl. 267—1)



An internal dampener for valve springs of relatively high speed internal combustion engines and the like comprising a pair of resilient longitudinally split tubular bushings having resilient longitudinally extending fingers circumferentially spaced from split tubular end portions to provide longitudinally extending slots between said fingers, said bushings being associated in opposed relationship with the respective slots and fingers being disposed in staggered nesting relationship, said slots and fingers being substantially the same width whereby a substantially solid tubular friction surface is presented to the coils of the valve springs.

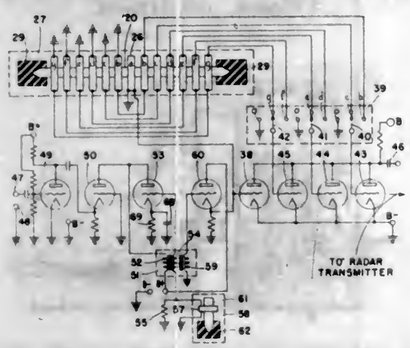
2,559,904
APPARATUS FOR CRIMPING CONDENSER CANS HAVING LEADS
Nils H. Swanson, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 8, 1948, Serial No. 64,078
5 Claims. (Cl. 113—18)



1. An apparatus for crimping cans having leads extending therefrom comprising a holder for supporting one of said cans, means for supporting and guiding said holder for moving said can and leads thereon through a predetermined path to and from a crimping station, a pair of elongated upright die members disposed above said holder at said crimping station and on opposite sides of the path of movement of said leads, each of said die members having a head at its lower end provided with forming surfaces engageable with the can to crimp the end thereof, trunnions on said die members disposed above and in spaced relation to said heads, a support having vertical slots

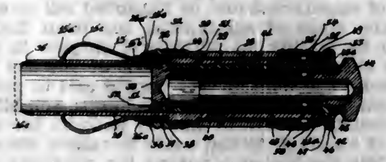
for receiving said trunnions and supporting said dies for movement vertically toward and away from said holder and for pivotal movement about the axis of said trunnions, said dies being oscillatable about the axis of said trunnions to move said heads laterally to and from a closed position in engagement with each other and in alignment with said can and an open position in spaced relation to each other to provide clearance for the movement therebetween of said leads and said dies being vertically movable to and from a lower position in engagement with said can and an upper position in spaced relation thereto, said dies also having portions adjacent each other provided with cylindrical recesses disposed parallel and intermediate the axis of said trunnions, a cylindrical member disposed in said recesses to interconnect said dies for equal and opposite rocking movement respectively about the axes of said trunnions, said dies also having portions disposed laterally outwardly relative to said trunnions, springs engaging the lateral portions of said dies for moving the dies upwardly from said holder and for rocking the dies about the axis of the trunnions in a direction to move the heads on said dies away from each other to open position, stop surfaces on said support for limiting the upward and outward movements of said dies, and a reciprocable actuating member engageable with the laterally disposed portions of said dies to impart rocking and vertical downward movements to said dies whereby the heads of said dies are first moved into closed position in engagement with each other and then moved downwardly in engagement with the can to crimp the end thereof.

2,559,905
ELECTRIC IMPULSE HANDLING SYSTEM
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, a corporation of Delaware
Application September 29, 1945, Serial No. 619,335
8 Claims. (Cl. 178—44)



7. A signaling device comprising, means providing a wave energy delay path, input wave transducer means arranged to initiate a disturbance in said path in response to the impression thereon of an initiating wave impulse, means to impress an initiating wave impulse upon said input means, two similar series of individual output wave transducer means having corresponding members in pairs along said path at substantially equal delay distances from said input means, an output load, means to connect selected ones of said pairs to said output load with the members of each pair connected in one sense, and means simultaneously to connect the members of an unused pair to said output load in the opposite sense.

2,559,906
COSMETIC PENCIL HOLDER
Charles M. Tursky, Englewood, N. J.
Application September 17, 1946, Serial No. 697,549
2 Claims. (Cl. 206—56)

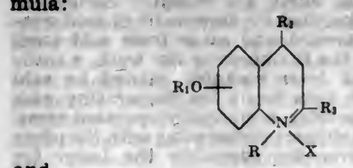


1. A cosmetic pencil holder comprising a shell socket adapted to contain a lipstick mass, said shell socket having an extension thereon, an internally threaded sleeve journalled in the extension, and locked against axial displacement therefrom, said internally threaded sleeve within the extension having an external peripheral flange at the end of the extension to effect the turning of the internally threaded sleeve, a piston head adjustable in the socket and having an externally threaded shank engaging with the threads of the internally threaded sleeve whereby as the flange of the internally threaded sleeve is adjusted the piston head can be extended or extracted whereby to extend the lipstick material from the outer end of the socket, said socket and extension having an intermediate portion providing shoulders, a sliding outer shell surrounding this socket and the extension and slidable thereupon, an adapter and a cap provided on the outer ends of the sliding shell, said cap having an abutment engageable with one of the shoulders to limit the outward movement of the shell over the socket, said adapter having an inwardly extending flange at the outer end thereof, covering blades for the end of the lipstick having formations extending into the adapter whereby said blades can be drawn over the socket by the sliding shell and separated from one another, spring means in the adapter acting upon the flanged ends of the blades for maintaining the same against the flange of the adapter and outwardly of the adapter, said socket having a conically shaped end face for effecting the spreading of the blades as the slide and the blades are pulled rearwardly over the socket, said adapter spring means engageable with the other shoulder of the socket portion to limit the rearward movement of the slide shell over the socket and the extension whereby as the slide shell is worked upon the socket shell and the extension the blades can be opened or closed over the end of the socket.

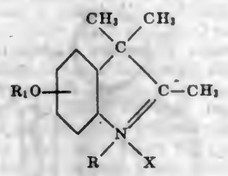
2,559,907
METHOD FOR PRODUCING HYDROXY CYCLAMMONIUM QUATERNARY SALTS
Earl J. Van Lare and Leslie G. S. Brooker, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 3, 1948, Serial No. 18,846
8 Claims. (Cl. 260—286)

1. A process for preparing a hydroxy cyclammonium quaternary salt comprising hydrolyzing at a temperature of from 80° to 150° C., in the presence of hydrobromic acid, an alkoxy cyclammonium salt selected from the group consisting

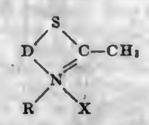
of those represented by the following general formula:



and



and



wherein R represents an alkyl group, R_1 represents an alkyl group, R_2 and R_3 each represents a member selected from the group consisting of a hydrogen atom and a methyl group, R_2 and R_3 always being different, D represents an alkoxy-o-naphthylene group, and X represents a number selected from the group consisting of the bromide and the iodide anion.

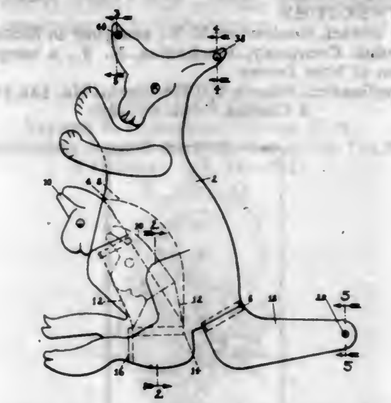
2,559,908
HEATED TAKE-OFF BLADE OR PICK FOR GLUERS
Lawrence N. Warren, Belmont, N. C., assignor of one-half to Elmer E. Hearing, Philadelphia, Pa.
Application January 24, 1950, Serial No. 140,280
7 Claims. (Cl. 91—58)



7. In a gluing machine, the combination of a rotatable glue distributor roll, a support, a pick arm carried by said support, a pick plate carried by said arm and cooperating with said roll, and means for heating said arm and said pick.

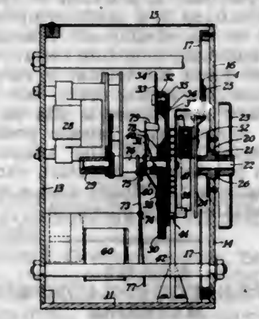
2,559,909
PARTIALLY EXPANDIBLE TOY FIGURE
Harvey M. Wescott, South Westport, Mass.
Application May 4, 1949, Serial No. 91,296
2 Claims. (Cl. 46—118)

1. A partially expandable toy figure comprising a stiff hollow body simulating a kangaroo and having an open pouch section whose lower end also is open and terminates into said hollow body, an air pump consisting of a resilient hollow member formed as the tail of a kangaroo and having an open end which terminates into the interior of said hollow body, a non-return check valve being provided on said resilient hollow member, an inflatable member which is formed as a kangaroo youngster having an open portion which is secured to said body about the lower



open end of said pouch section so that it may be projected beyond said pouch section and retracted thereinto by squeezing and releasing said resilient hollow member, an air release valve being provided on one portion of said stiff hollow body, and a whistle being provided at another portion of said body, said air pump being adapted for forcing air into said body and said inflatable member so that the latter will be inflated and will extend beyond said pouch section.

2,559,910
ELECTRIC TIMER
William M. White, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 25, 1946, Serial No. 699,225
9 Claims. (Cl. 161—1)



1. An exposure timer comprising, in combination, a scale, a presettable pointer movable relative to said scale to indicate a predetermined time interval, a drive shaft, an electric motor for driving said shaft at a uniform speed, a second pointer freely mounted on said shaft, clutch means for connecting said second pointer in driven relation with said shaft to move said second pointer from an initial position over said

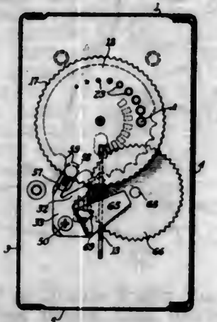
scale at a uniform rate, a switch carried by said first pointer for controlling the circuit of said motor, and means controlled by said second pointer for opening said switch at the completion of said interval to open the circuit of said motor to stop the movement of said second pointer.

2,559,911

INTERLOCKING MOTION-PICTURE CAMERA DIAPHRAGM AND SHUTTER RELEASE STRUCTURE

Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 7, 1950, Serial No. 148,105
3 Claims. (Cl. 88—16)



1. In an interlocking motion-picture diaphragm and shutter release structure for motion-picture cameras of the type employing a camera body, a spring drive, film-moving mechanism operable by the spring drive, a shutter operable by the spring drive, an objective, and a film gate carried by the camera, the combination with a disk diaphragm pivotally mounted on the camera, a plurality of diaphragm openings in said disk and movable into coaxial positions with respect to the objective, a shutter trigger, a finger on the trigger, a mount for the trigger on which the trigger may both turn and slide, a latch tending to hold the trigger in an inoperative position to which it may be moved by sliding, a shutter-engaging element on the trigger for holding the power-operated mechanism against movement when said trigger is in a rest position, a plurality of slots in the diaphragm arranged in a predetermined position with respect to the diaphragm apertures, each slot being of sufficient length to receive the finger on the trigger when the trigger is turned on its pivot to release the spring drive, and to receive the finger when the trigger is slid to latch the trigger in a spring-drive release position, said disk diaphragm latching the trigger against movement in a releasing direction except when a slot lies opposite the finger and a diaphragm opening lies axially of the objective.

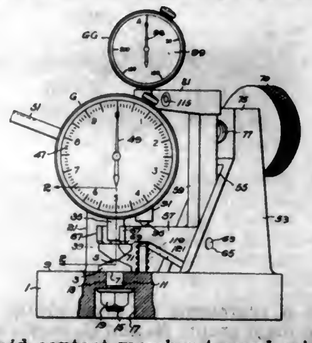
2,559,912

THICKNESS GAUGE FOR COMPRESSIBLE MATERIAL

Warren Ames, Newton, Mass., assignor to B. C. Ames Co., Waltham, Mass., a corporation of Massachusetts

Application January 13, 1948, Serial No. 1,969
4 Claims. (Cl. 33—147)

4. A thickness gauge comprising a support, an anvil carried by said support upon which the work is adapted to rest, a contact member movably carried by said support and adapted to engage the side of the work opposite that which rests upon said anvil, an indicator carried by said support operated by movement of said contact member toward and away from said anvil for indicating the thickness of the work, a resilient bell crank lever rockably carried by said support, which lever has a leg cooperating with said contact member, a manually operated screw carried by said support cooperating with the other leg of said lever for operating the latter for



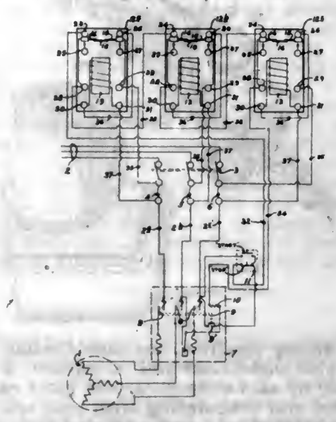
pressing said contact member toward said anvil, an arm carried by the leg which cooperates with said screw, and an indicator carried by said arm having a contact feeler cooperating with the other of said legs for causing said indicator to be responsive to the distance between given points on said arm and last mentioned leg whereby to cause the indicator to indicate the force by which the contact member is urged by said lever toward said anvil.

2,559,913

OVERCURRENT PROTECTIVE SYSTEM FOR MOTOR CIRCUITS

Frank T. Foshee, Fort Worth, Tex.

Substituted for abandoned application Serial No. 498,857, August 16, 1943. This application July 7, 1947, Serial No. 759,407
1 Claim. (Cl. 175—294)



A control system for an electric motor within an electric circuit having a plurality of feeder lines, which feeder lines are controlled by fuses in the respective feeder lines, which control system includes a relay for each of said feeder lines, in which relay an electro-magnetic coil is connected in shunt circuit across each of said fuses, a pair of normally closed contact points within said shunt circuit, one of which contact points

is mounted on a movable armature, which armature is within a magnetic field when said electro-magnetic coil is energized, said armature being movable to open said contact points in said shunt circuit upon energization of said electro-magnetic coil, a further control circuit connected in series with the stop circuit of a magnetic multi-pole start and stop switch in said feeder lines, which switch has a normally open contactor for momentarily closing a circuit to energize a magnetic holding coil in said magnetic multi-pole start and stop switch to hold said switch closed, a normally closed contactor within said stop circuit to break said circuit in which said magnetic multi-pole start and stop switch is disposed, said further control circuit having a pair of normally closed contact points for each relay and said pairs of contact points being connected in series, one contact point of each pair of said contact points in said further control circuit being mounted on said armature in each of said relays so said last mentioned contact points will open with said first mentioned contact points upon energizing said electro-magnetic coil so as to break said stop switch circuit to de-energize said holding coil to open said magnetic multi-pole start and stop switch so as to break all feeder line circuits leading to said motor, said electro magnetic coil being energizeable upon the breaking of the circuit by the opening of a fuse, and said fuses and said relays being in the feeder lines intermediate said magnetic multi-pole start and stop switch and the source of electricity.

2,559,914

PROCESS FOR THE PRODUCTION OF CELLULOSE SULFURIC ACID ESTERS

Georges Frank, Brussels, Belgium

No Drawing. Application December 13, 1946, Serial No. 716,176. In Belgium December 5, 1942
6 Claims. (Cl. 260—215)

1. A process for the production of fibrous cellulose sulfate which comprises reacting cellulose with a mixture containing an aliphatic sulfate and sulphuric acid, there being present in said mixture from about one to about three moles of sulfate radical per mole of aliphatic radical, said aliphatic sulfate being derived from a sulphuric acid miscible aliphatic alcohol excepting isomers thereof labile in sulphuric acid.

2,559,915

HALF-TONE SCREEN DETERMINER

Arthur Henry Gaebel, Larchmont, N. Y.

Application December 28, 1949, Serial No. 135,356
3 Claims. (Cl. 88—14)



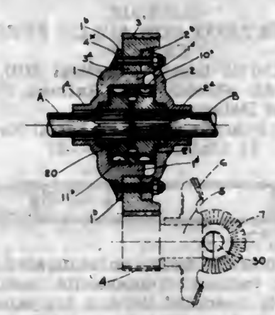
1. A half-tone screen determiner consisting of a flat plate having a stright edge, said plate having a transparent portion, and an opaque portion surrounding said transparent portion, and there being located on said plate in said transparent portion a group of tapered radial opaque lines tapering toward a common point of radiation and spaced equi-distantly, the center line of said group being disposed at an angle of forty-five degrees with respect to said straight edge; and said plate having a numerical scale thereon bordering said transparent portion, cooperating with said lines when the plate is laid flatwise on a half-tone and said scale then indicating the number of lines per linear inch of the screen.

2,559,916

DIFFERENTIAL

Vernon E. Gleasman, Elmira, N. Y.

Application August 29, 1949, Serial No. 112,945
9 Claims. (Cl. 74—715)



1. A differential for connecting aligned axle sections or the like, comprising a gear carrier; aligned axle sections entering said gear carrier; means for rotating said carrier; spaced parallel worm wheels within the carrier mounted on the respective axle sections; and a removable cartridge unit within the carrier rotatable therewith, said unit comprising a pair of substantially parallel plates; said gear carrier comprising housing sections having recesses in their opposed faces, each recess having aligned cut-out portions receiving the ends of the substantially parallel plates of the cartridge unit, and one section of the housing having segmental lugs aligned with the cut-out portions abutting the substantially parallel plates intermediate their ends, the cut-outs and lugs forming a chamber having substantially parallel sides to receive the cartridge unit therein.

2,559,917

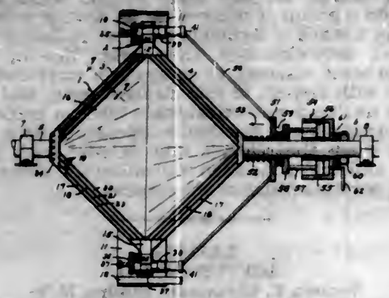
CENTRIFUGE BOWL WITH RECIPROCATING VALVE FOR DISCHARGING SOLIDS FROM THE BOWL

Paul J. Gresham, Austin, Tex.

Application December 22, 1945, Serial No. 636,779
3 Claims. (Cl. 233—20)

1. A centrifugal separator comprising a centrifuge chamber having peripheral intersecting radial and transverse passages forming a plurality of solids receiving spaces therein, each of said passages extending from the interior of the chamber to the exterior of the chamber, means normally closing one end of each transverse passage at its outer end, a piston in each transverse passage opposite said closure means, a reduced end portion on said piston and means for moving

the piston toward said first mentioned means whereby the solids are impacted therebetween



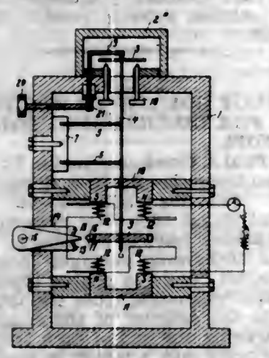
and the closure means opened to exhaust solids from within the passage.

2,559,918
MARKER BUOY FOR AIR OR SURFACE CRAFT
Benjamin Curtis Grieb, Chestnut Hill, Pa., assignor to Air-Shields, Inc., Hatboro, Pa., a corporation of Delaware
Application February 10, 1947, Serial No. 727,487
11 Claims. (Cl. 9—9)



1. For a marker buoy, an elongated unit enclosing the various components including an automatically operated light, a buoyancy chamber, and an automatic release latch, means for operating said latch including a piston, a piston rod attached to said piston, a chamber at one side of said piston through which said piston rod passes, a sleeve seal between said piston rod and said chamber, and a positive seal around said piston.

2,559,919
APPARATUS FOR MEASURING FORCES, ESPECIALLY THE FORCE OF GRAVITY
Gotthard V. A. Gustafsson, Hoglandstorget, Sweden, assignor to Bolidens Gruvaktiebolag, Skelleftehamn, Sweden, a joint-stock company limited of Sweden
Application April 3, 1948, Serial No. 18,805
In Sweden April 3, 1947
1 Claim. (Cl. 73—382)



Apparatus for measuring forces especially the force of gravity comprising a movable system, a permanent magnet attached to said system, two permanent magnets attached to a frame and arranged on opposite sides to said magnet in a plane comprising said magnet while moving, the poles of one of said two magnets being directed in the same direction and the other in the opposite direction as the poles of the intermediate magnet, means for indicating the position of said movable system, means for guiding said movable system, means for applying to said system the force to be measured, a number of coils for restoring the movable system to a predetermined position after the application of the force to the system, said coils being arranged in front of the poles of the magnets attached to the frame and adapted to be fed with electric current and means for measuring said current.

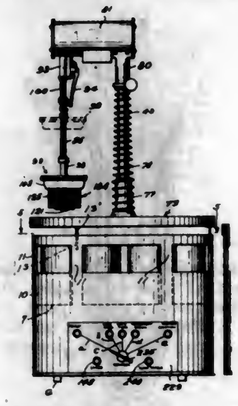
2,559,920
PLATFORM FOR LAWN MOWERS
Paul W. Hainke, Hutchinson, Kans., assignor to The Paul Hainke Mower Corporation, Inc., Hutchinson, Kans., a corporation of Kansas
Application July 5, 1949, Serial No. 103,003
1 Claim. (Cl. 56—25.4)



In a platform for lawn mowers, a hollow housing having a fully open bottom; a vertical side wall, and a top wall integral with the upper edge of said side wall, said top being dome-shaped and having a flat portion at the apex thereof, the base edge of said top portion being circular, said side wall being arcuate to conform with said base edge, said side wall having a portion thereof entirely cut away to present a segmental notch therein; and a laterally extending, open bottom, hollow body overlapping a portion of said top wall and a portion of said side wall, said body having a flat top wall disposed within the plane of said flat portion of said top wall of the housing, said notch in the side wall being within the body, said body having a wall extending downwardly from said top wall thereof in spaced, overlapping relationship to said notch.

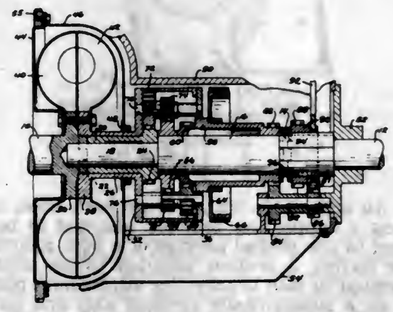
2,559,921
AUTOMATIC MACHINE FOR SEQUENTIALLY IMMERSING MACHINE PARTS IN SUCCESSIVE CLEANING LIQUIDS
Anthony Aiello and Joseph Aiello, Pittsburgh, Pa., assignors of one-third to Hyman Landaw and Harry Landaw, trading and doing business as Landaw Brothers, Pittsburgh, Pa.
Application March 20, 1943, Serial No. 479,948
21 Claims. (Cl. 134—58)

16. In a machine for cleaning watch parts and the like, the combination of an immersing unit including a cage for containing the parts to be cleaned and a motor for rotating the cage, a first power means for reciprocating said unit between raised and lowered positions, receptacle means providing a series of treating chambers, a second power means to produce relative horizontal movement between said receptacle means and said unit while the latter is in raised position to successively bring said chambers into vertical alignment with said cage, switch means for controlling said motor, said switch means being responsive to said first power means to energize said motor when the unit is lowered and to de-energize it when the unit is raised, a timing switch including an operating motor, and further switch means responsive to lowering of said unit by said first power means to render the latter inoperative and to energize said operating



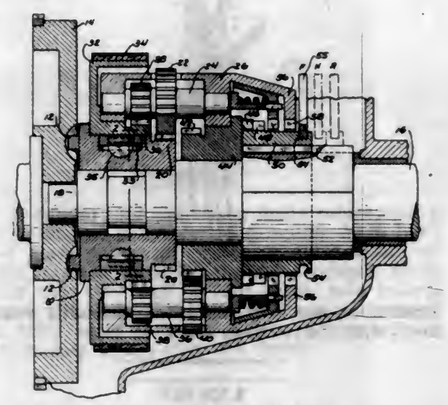
motor of the timing switch, said timing switch being adapted to re-energize said first power means after a predetermined period of time to raise said unit.

2,559,922
TRANSMISSION
James S. Alspaugh, Portsmouth, Ohio
Application January 3, 1947, Serial No. 720,052
4 Claims. (Cl. 74—732)



1. In a transmission having a driving shaft, an intermediate shaft, a final driven shaft, sun gears fixed to the driving and intermediate shafts, a fluid coupling having an impeller fixed to the driving shaft, a turbine associated with the impeller and adapted to be driven thereby, a planetary gear train having a carrier operably connected to the turbine, an idler gear, pinion gears mounted in the carrier and interconnecting the sun gear fixed to the driving shaft and said idler gear, additional pinion gears mounted in the carrier and interconnecting the idler gear and the sun gear fixed to the intermediate shaft, a source of fluid pressure, a brake for the intermediate shaft, fluid pressure actuated means operable at slow speeds of the driving shaft to actuate said brake to lock the intermediate shaft against rotation, and speed responsive means operated by an increase of speed of the driving shaft to release said brake.

2,559,923
TRANSMISSION
James Shellenbarger Alspaugh, Portsmouth, Ohio
Application February 9, 1949, Serial No. 75,393
2 Claims. (Cl. 74—752)

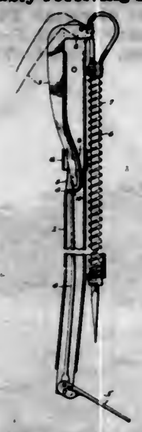


1. A gear train comprising a driving member having a sun gear, a transfer sun gear rotatably mounted on the driving member, a driven shaft having one of its ends journalled in the driving member, a sun gear rotatably mounted on the driven shaft, a carrier, two sets of pinion gear spindles journalled in the carrier, one set of said spindles having spaced pinion gears meshing with the driving member sun gear and with the transfer sun gear, respectively, the other set of said spindles having spaced pinion gears meshing with the transfer sun gear and with the sun gear mounted on the driven shaft, respectively, a coupler splined to and slidably mounted on the driven shaft and adapted to selectively lock the driven shaft to the sun gear mounted thereon or to the carrier, and a centrifugally operated clutch carried by the driving member to progressively clutch the transfer sun gear to rotate with the driving member sun gear to progressively initiate a drive from the driving member to the driven shaft, the speed ratio of the drive increasing to a one to one drive when the centrifugally operated clutch drives the transfer sun gear at a one to one ratio with the driving member sun gear.

2,559,924
TRAP
Charles E. Armstrong, Oakwood, Okla.
Application August 1, 1950, Serial No. 177,061
2 Claims. (Cl. 43—80)

1. In a trap the combination with a swinging latch and a reciprocable trip rod releasably engaging the latch against swinging, of a tubular shank providing a pivot mounting for the latch and a mounting for sliding reciprocable movement of the rod, said shank being of tubular formation, the wall of the shank having a depressed portion intermediate its ends for recessing of the latch within the confines of the shank diameter, said latch being disposed exteriorly of the shank,

said depressed portion of the shank wall having an opening slidably receiving said trip rod for ex-



tension of the trip rod into releasable engagement with the recessed latch.

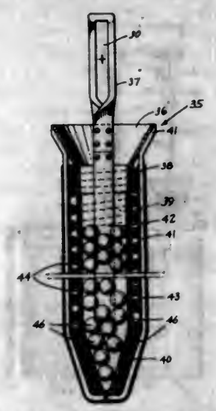
2,559,925
WORK HOLDER DEVICE
Clemon W. Barker, Wichita, Kans., assignor, by mesne assignments, to Wilton Tool Manufacturing Co., Chicago, Ill., a copartnership
Application January 29, 1945, Serial No. 575,051
7 Claims. (Cl. 287—12)



7. In a work support device, the combination of a work holder, a cap element and a ball support element forming a socket therebetween; a ball mounted in said socket and adapted to be engaged on the surface thereof and releasably retained in said socket; a standard adapted to support said ball support element and said cap, said standard having a vertical passage therein; a plunger slidably positioned in the passage in said standard; means for adjusting the elevation of said plunger in said standard; spring means engaging said plunger for urging the disengaging movement of said plunger with said ball support element, said plunger being adapted in some positions thereof to cause said ball socket to firmly grip said ball, said plunger in other positions thereof being adapted to cause a release of said ball by said socket to permit movement of said ball within said socket; said cap having a slot therein; and a pin at one end thereof rigidly mounted on said ball and at the other end thereof being adapted to support said work holder.

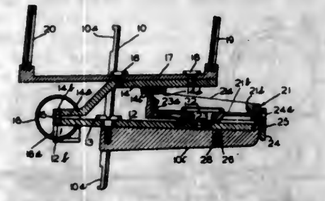
2,559,926
ANODE BASKET
John D. Beebe, Detroit, Mich., assignor of one-half to John C. Schwartz, New York, N. Y.
Application February 4, 1947, Serial No. 726,303
1 Claim. (Cl. 204—237)

An anode basket for immersion in an electrolyte comprising an electrically conductive hopper, a metallic structure in substantial resemblance of a coil spring having two top coils closed upon each other and integrally secured to said hopper, a plurality of intermediate open coils and a plurality of lower coils closed upon each other and of diameter which decreases upon approach to the lower end thereof, said structure being covered with insulation except at the region of attachment thereof to said hopper and containing anode metal, a non-conductive liner of substantially cylindrical shape within said coils extending from



the bottom of said hopper downwardly into said lower coils, said shield having a series of openings circumferentially confined to one-half thereof to define the area of electrolytic material contained therein to be exposed to the electrolyte.

2,559,927
SIGHT FOR ARCHERS' BOWS
James J. Beloungy, Minneapolis, Minn.
Application April 30, 1948, Serial No. 24,148
5 Claims. (Cl. 33—46)

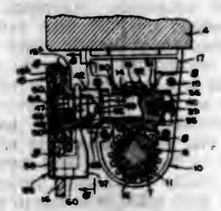


1. An adjustable sight for archer's bows comprising a supporting bracket, adapted to be attached to the medial portion of a bow, a sighting table having a section adapted to be pivotally connected to said bracket for adjustment oscillation on a substantially vertical axis and having a second section pivotally connected with said first section for swinging adjustment relative thereto on a substantially horizontal axis, sighting means mounted on the second section of said sighting table and extending transversely of the bow, means for horizontally adjusting the first section of said sighting table relatively to said bracket and progressively applied means for adjusting the angular relation of said second section of said sighting table relative to said first section.

2,559,928
TILTING DEVICE FOR VENETIAN BLINDS
James C. Bennett, Inglewood, Calif., assignor to Anderson Die Casting & Engineering Corporation, Los Angeles, Calif., a corporation of California
Application February 7, 1948, Serial No. 6,830
12 Claims. (Cl. 160—176)

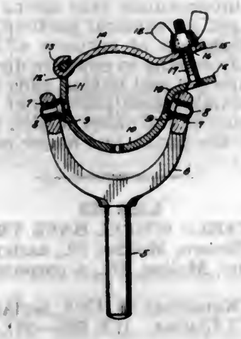
1. A tilting mechanism for a Venetian blind comprising a frame, a shaft journaled in said

frame, a pulley fixed to one end of said shaft, tilting means on said frame adapted to be operated by rotation of said shaft, clutch means at the other end of said shaft operably connecting said shaft and said tilting means, said clutch



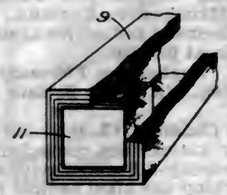
means being disengaged upon axial movement of said shaft relative to said frame, and means for effecting said axial movement including a cam rotatable on said shaft and a cam follower fixed with respect to said frame.

2,559,929
HINGED OAR LOCK
Nils Bjork, Battle Lake, Minn.
Application December 19, 1947, Serial No. 792,766
1 Claim. (Cl. 9—26)



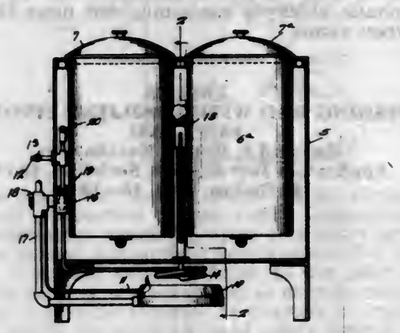
An oar lock including a yoke; a lower ring section integrally formed with a semi-circular medial portion embraced by the yoke, an end portion extending vertically and upwardly from one end of said semi-circular portion, and with its opposite end portion extending laterally and outwardly from the other end of the semi-circular portion to provide a tongue defining an oar-supporting shoulder at its point of intersection with the semi-circular portion; downwardly inclined pivot pins extending from the ends of the semi-circular portion below said end portions and loosely journaled in the yoke; an upper ring section of substantially shallower curvature than the lower section and loosely hinged at one end to the first-named end portion, the upper ring section being formed integrally at its opposite end with an outwardly extended tongue overlying the tongue of the lower section; a bolt carried by one of the tongues, there being an opening formed in the other tongue receiving the bolt; and a nut for the bolt constituting means for separably and adjustably connecting the tongues, said shoulder being disposed at a location where it will engage an oar of greater diameter than the diameter of said semi-circular portion.

2,559,930
PALLET
Philip S. Bolton, Newton, Mass., and Joseph J. Aid, New London, Conn., assignors to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application October 22, 1946, Serial No. 704,870
2 Claims. (Cl. 248—120)



1. A support for palletized loads comprising a hollow tube of generally rectangular form built up of many layers of paper tightly bonded together, and rectangular inserts arranged to fit tightly into the ends of said tubes, said inserts being in the form of hollow paper tubes arranged with their axes at right angles to the axis of the tube into which they are fitted.

2,559,931
AUTOMATICALLY CONTROLLED WATER HEATER FOR COFFEE URNS
Raymond G. Bright, El Paso, Tex.
Application May 7, 1946, Serial No. 667,895
1 Claim. (Cl. 126—374)



In a coffee urn, a hot water chamber, a gas burner beneath the hot water chamber for maintaining the water therein at a predetermined temperature, a water supply pipe for the hot water chamber having a heating coil portion disposed beneath the hot water chamber directly over the burner and a portion ahead of the heating coil submerged in the water within the hot water chamber, a float valve in the water chamber controlling the flow of water from the heating coil into the hot water chamber so as to maintain the water therein substantially at a constant level, and a thermostatically operated valve for controlling the flow of fuel to the burner, said valve having a thermo-sensitive actuating element subjected to the temperature of the water in the submerged portion of the water supply pipe so as to automatically increase the supply of fuel to the burner when hot water is withdrawn from the hot water chamber and the float valve opens to permit supply of water from the heating cool to the hot water chamber and to automatically decrease the supply of fuel to the burner after the float valve cuts off supply of water to the hot water chamber from the heat-

ing coil, said submerged portion of the water supply pipe being provided with an enlargement, said thermo-sensitive actuating element being arranged in said enlargement.

2,559,932
RUBBER ANTIOXIDANTS
Arthur Stanley Briggs and James Haworth, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 9, 1948, Serial No. 7,295. In Great Britain February 10, 1947
5 Claims. (Cl. 260—619)

1. A rubber antioxidant comprising a mixture of bis-(2-hydroxy-3:5-dimethylphenyl) alkylmethane in which the alkyl radical has not more than 6 carbon atoms and the corresponding bis-(4-hydroxy-2:5-dimethylphenyl) alkylmethane, said mixture being obtained by condensing in the presence of an acid condensing agent a mixture of 50–80% of 2:4-dimethylphenol and 50–20% of 2:5-dimethylphenol with an aliphatic aldehyde containing not more than 7 carbon atoms.

5. A process for producing a rubber antioxidant which comprises a mixture of bis-(2-hydroxy-3:5-dimethylphenyl) alkylmethane in which the alkyl radical has not more than 6 carbon atoms and the corresponding bis-(4-hydroxy-2:5-dimethylphenyl) alkylmethane, said process comprising the steps of condensing in the presence of an acid condensing agent a mixture comprising 50–80% of 2:4-dimethylphenol and 50–20% of 2:5-dimethylphenol with an aliphatic aldehyde containing not more than 7 carbon atoms.

2,559,933
FISHING ROD WITH RESILIENT PIVOTAL BUTT END
Damond E. Briney, Natalia, Tex.
Application July 22, 1948, Serial No. 40,179
10 Claims. (Cl. 43—18)



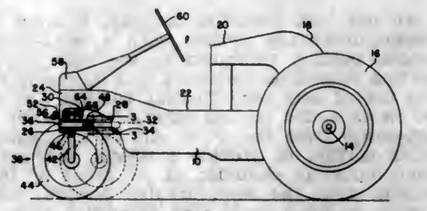
1. A fishing rod of the character described, including a main rod having a butt end portion adapted for attachment to a hand grip and reel seat member, universal pivotal means spaced adjacently to the butt end of the main rod for mounting the said butt end portion universally pivotally, and resilient spring means engaging the rod between the universal pivotal mounting and the terminal of its butt end for spring tensioning movement of the rod on said pivotal mounting.

2,559,934
FISHING ROD WITH INTEGRAL RESILIENT MEANS
Damond E. Briney, Natalia, Tex.
Application July 22, 1948, Serial No. 40,180
5 Claims. (Cl. 43—18)



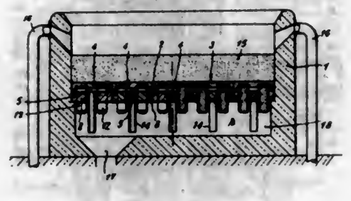
1. In a fishing rod, a main rod portion adapted for attachment to a hand grip and reel seat at a butt end portion of the rod, and an elongated coil spring mounted axially of the rod at the butt end portion thereof, said rod having adjacent said spring and intermediate said spring and the tip end of the rod an integral portion interrupting the axial alignment of portions of the rod and offset laterally equally in opposite directions from the axis of the rod and having ends connected to adjacent coaxial spaced portions of the rod, the connected ends of said offset portion being axially aligned with the spring and major portion of the rod.

2,559,935
ADJUSTABLE WHEEL BASE TRACTOR
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 23, 1949, Serial No. 129,069
7 Claims. (Cl. 280—87)



1. In a tractor having a longitudinal body carried at its rear end on a transverse rear axle structure: a front end construction, comprising a body part at the front end of the tractor body including longitudinally spaced-apart supporting elements and an upper portion above and interconnecting said elements so that said body part is in the form of an arch as viewed from either side of the tractor; a longitudinal pivot member within said arch and carried at its front and rear ends respectively by the supporting elements and spaced below said upper portion; a transverse front axle within said arch and having a journal pivotable on and shiftable lengthwise of the pivot member between said supporting elements to occupy either a front or a rear position so that the longitudinal distance between the front axle and the rear axle structure may be varied; means cooperative with the pivot member to provide a stop for holding the journal and front axle selectively in either front or rear position while permitting pivoting of the journal and axle about said pivot member; steerable wheels spaced laterally apart and carried respectively at opposite outer ends of the front axle, and including steering arms; a transverse tie rod interconnecting the steering arms and passing through said arch above the front axle; a steering member extending downwardly through the upper portion of the arch and above the tie rod; and a transverse drag link connected at one end to the steering member and at its other end to one of said steering arms, said drag link being disposed above the tie rod so that the tie rod and axle may pass under said drag link as the front axle is shifted selectively between front and rear positions.

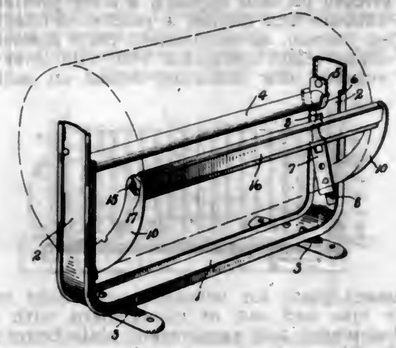
2,559,936
FILTERING APPARATUS FOR LIQUIDS
Jean Philibert Buffle, Geneva, Switzerland, assignor to Services Industriels de Geneve, Geneva, Switzerland, a corporation
Application December 3, 1946, Serial No. 713,714
In Switzerland June 17, 1946
6 Claims. (Cl. 210—130)



1. A liquid-filtering apparatus comprising a tank, a slab of a porous substance in said tank, the upper face of said slab being flat and smooth, a granular filter mass positioned on said upper face, the lower face of said slab having recesses therein with no direct communication with one another, said slab having cavities therein opening into said recesses, a watertight support in said tank supporting said slab closing said recesses, water-flow tubes extending through said watertight support and opening into said recesses, and additional tubes extending through said support having their upper ends extending into said cavities, said additional tubes being used for the issue of gas into said cavities, during regeneration.

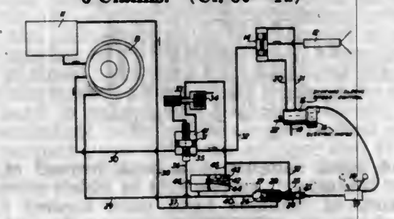
2,559,937
PAPER ROLL HOLDER
Elvah O. Bulman, Grand Rapids, Mich.
Application January 19, 1948, Serial No. 3,049
1 Claim. (Cl. 242—55.5)

A paper roll holder and cutter comprising, a main support having a base and spaced side members adapted to be mounted in one of three positions in which said arms extend horizontally from the base, vertically upward from the base, or vertically downward from the base, arms pivotally mounted on the side members, a cutter blade mounted on the swinging ends of said arms, and a socket having an open upper side rotatably mounted on each of said spaced sides, said rotative mounting of each socket being offset



from the center thereof in a direction toward its open side.

2,559,938
SPEED GOVERNOR MECHANISM FOR AIRCRAFT INTERNAL-COMBUSTION TURBINE ENGINES
Frederick Henry Carey, Cheltenham, England, assignor to Dowty Equipment Limited, Cheltenham, England
Application November 30, 1948, Serial No. 62,636
In Great Britain December 3, 1947
6 Claims. (Cl. 60—41)



1. A liquid fuel supply system for an aircraft internal combustion turbine engine, comprising, in combination, means to supply fuel under pressure, a burner, and conduit means connecting the same, a control device settable by the pilot at definite settings corresponding to definite engine speeds, a throttle sensitive to changes in engine speed and to the setting of said pilot's control, to maintain automatically a predetermined engine speed regardless of altitude, and variable speed limiting means comprising a preselecting member operatively connected to shift with shifting of the pilot's control, a follow-up member operatively associated with said preselecting member, means operable as a function of change of engine speed to shift said follow-up member relative to said preselecting member; and means controllable by such shifting of the follow-up member as a result of tendency to exceed that speed for which the pilot's control is set, and in turn controllable by the preselecting member as such speed is substantially attained, to limit the quantity of fuel supplied to the burner irrespective of an overshot position of the throttle.

2,559,939
CRADLE ROCKING SPRING MECHANISM
Olof Carlson, Winter Park, Fla.
Application March 5, 1948, Serial No. 13,175
2 Claims. (Cl. 185—38)

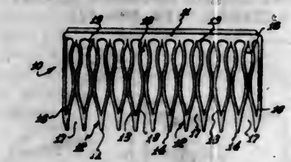
1. In a spring motor for rocking cradles and having a torsion spring and a ratchet wheel con-

nected therewith, an escapement mechanism comprising a stationary support, a ratchet stop dog pivoted on said support, a lever pivoted on said support and having a ratchet driving dog pivoted thereto, an escapement plate pivoted on said support and connected with said lever and said support, dog actuating means on said es-



capement plate for actuating said dogs selectively into and out of engagement with said ratchet wheel, said escapement plate being provided with a pair of arcuate slots, a stop pin on said support movable in one slot and an actuating pin on said lever movable in the other slot.

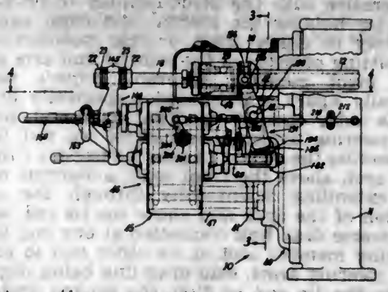
2,559,940
COMB
William H. Carthouser, Los Angeles, Calif., assignor of forty-five per cent to Stephen R. Coleman, Los Angeles, Calif.
Application July 5, 1949, Serial No. 103,051
3 Claims. (Cl. 132—26)



1. A comb comprising a back formed of resilient material from one side of which extend a plurality of resilient teeth each formed by a pair of spaced limbs which are equally and oppositely curved in their extensions from the back to form first a narrow space and then an enlarged bowed section before terminating in a pointed terminal, characterized in that the spaced limbs of adjacent teeth are resilient and make resilient contact with the limbs of adjacent teeth and in that the upper ends of the limbs of adjacent teeth converge to form slits having a width less than the diameter of the smallest human hair and capable of clamping a single hair.

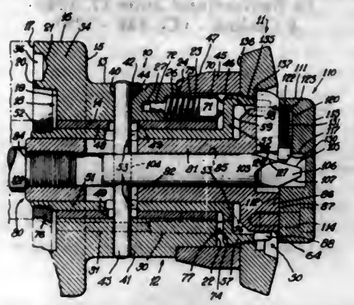
2,559,941
AUTOMATIC STOCK FEEDING MECHANISM FOR LATHES
Secondo L. Casella, Brooklyn, N. Y., assignor to Morey Machinery Co. Inc., New York, N. Y., a corporation
Application August 7, 1944, Serial No. 548,337
25 Claims. (Cl. 29—62)

22. In combination, a body, a piston mounted for reciprocation in the body, a second piston in the body, said body having inlet passages communicating with opposite sides of each of said first and second pistons, and outlet passages communicating with opposite sides of each of said first and second pistons, valves to control said passages, means on each piston to control the valves for the passages leading to opposite sides of the other piston, manual means to move the valve controlling the passages leading to opposite sides of the first piston, and means on the first piston to control the movement of said last-mentioned valve, said last means including



a lost motion connection between said first piston and said last-mentioned valve.

2,559,942
INTERNAL COLLAPSIBLE CHUCK
Secondo L. Casella, New York, N. Y., assignor to Morey Machinery Co., Inc., New York, N. Y., a corporation of New York
Application February 17, 1950, Serial No. 144,717
16 Claims. (Cl. 279—2)



5. A chuck comprising a chuck body formed with an axial through opening, a centering member having a sleeve slidably and non-rotatably mounted within said through opening, said centering member being formed with an external inwardly and forwardly tapering frusto-conical surface, spring means on the chuck body for resiliently pressing the centering member forwardly of the chuck body, means to limit forward movement of the centering member relative to the chuck body, a clamping member comprising a sleeve disposed within the sleeve of said centering member, said clamping member being slidable relative to said centering member and chuck body, said clamping member being formed with radial grooves, jaws slidably mounted within said grooves, an axial cam member disposed within the sleeve portion of said clamping member, means to fix said cam member to said chuck body, said cam member being formed with tapering surfaces engaging said jaws, whereby movement of the clamping member in a rearwardly direction will cause said jaws to move radially outwardly and towards the chuck body.

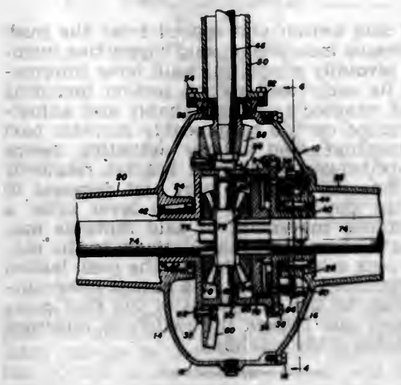
2,559,943
ELECTRICAL RESISTOR
Joseph J. Cerny, Chicago, Ill.
Application December 27, 1949, Serial No. 135,160
6 Claims. (Cl. 201—63)

1. In a resistor for electrical circuits and the like, a core body; a pair of end terminal members each including a shank connectable on said core body, an outwardly extending lug carried on one end of said shank and being of a width substantially equal to the diameter of said core body, said lug extending across an end face of said



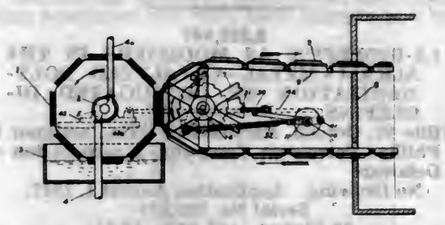
core and including a pair of wings carried on the outer ends of said lug; and a resistance wire wound around said core and said lugs, said wings being bent back over portions of said resistance wire.

2,559,944
DIFFERENTIAL GEARING
Stanley Chapp, Foley, Minn.
Application September 28, 1948, Serial No. 51,588
5 Claims. (Cl. 74—710.5)



1. In a drive wheel assembly for motor vehicles, a differential housing, a gear casing rotatably disposed in said housing, a drive shaft operatively extending into said housing and operatively associated with said gear casing, axle sections rotatably mounted in opposed side walls of said housing, gears slidably mounted on said axle sections within the gear casing, pinions rotatably mounted in said casing and meshing with said gears, a clutch rotatably mounted in said gear casing for rotating said axle sections unitarily, said clutch comprising a plate keyed to one of the axle sections and a complementary plate attached to and adapted to rotate with said gear casing for cooperative locking engagement with said first-mentioned plate, means for actuating said clutch including a ring slidably and rotatably disposed in said housing, a plurality of spaced laterally extending pins carried by said ring and connected through said casing to said clutch, a yoke pivotally mounted in said housing and having bearing terminals engaged on said rotating ring for sliding the ring and pins towards said clutch, a linkage operable externally of the housing and connected to said yoke for swinging the same about its pivot, and resilient means disposed on said pins for normally retaining said clutch in an inoperative position.

2,559,945
PULP MOLDING MACHINE
Merle P. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, South Portland, Maine, a corporation of Maine
Application November 1, 1946, Serial No. 707,169
9 Claims. (Cl. 92—56)



1. In a machine for making molded fibre articles wherein groups of forming and drying dies are respectively mounted for rotation about spaced apart axes to bring the respective forming and drying dies into alinement with one another and wherein said dies are thereupon moved into mating relation, the improvement which comprises: a stepping wheel rotatable with one group of said dies, said stepping wheel having two oppositely disposed sets of teeth, a stepping pawl coacting with one set of said teeth and a locking pawl coacting with the other set of teeth, a crank for bodily oscillating both pawls jointly back and forth coaxially of the stepping wheel to cause the stepping pawl to successively engage during successive strokes with the corresponding teeth to impart step by step rotation of the stepping wheel, a cam rotatable in timed relation to the crank, and link and lever connections between said cam and the locking pawl to engage said locking pawl with the corresponding teeth of the stepping wheel while the stepping pawl is likewise engaged and to disengage the locking pawl from such teeth during the back stroke of the stepping pawl.

2,559,946
KEY CASE
Helen C. Craig and William E. Keen, Miami, Fla.
Application August 14, 1946, Serial No. 690,580
1 Claim. (Cl. 70—456)



A key case comprising a pair of opposed spaced apart plates, a pin at one end of said plates securing the same together in parallel relation, said pin being adapted to have keys pivoted thereon between the plates for swinging outwardly from between the plates, and a hollow lever pivoted between said plates for swinging into and out of parallel relation to said plates, said lever having an opening at one end extending part way along one side edge of the lever whereby said lever may be swung into parallel relation to the plates with the keys insertable in said end thereof, said opening having an edge for engagement with said keys to swing the same out from between said

plates and out of said end of the lever upon swinging of said lever in one direction out of parallel relation to the plates, said keys when inserted in said end of the lever preventing swinging of said keys out of said end of the lever by swinging of said lever in the opposite direction out from between said plates.

2,559,947

1,2-DIOLEFINS AS MODIFIERS IN THE ALKALI-METAL-CATALYZED POLYMERIZATION OF CONJUGATED DIOLEFINS

Willie W. Crouch, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application August 1, 1947, Serial No. 765,639
17 Claims. (Cl. 260—83.7)

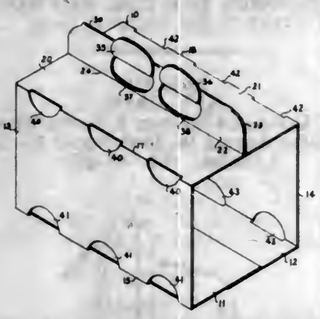
1. In the production of synthetic rubber by polymerization of a liquid mixture containing a monomeric material comprising a major amount of 1.3-butadiene and a minor amount of styrene, in the presence of finely divided sodium as polymerization catalyst, the improvement which comprises adding to said liquid mixture a hydrocarbon diluent selected from the group consisting of paraffins, cycloparaffins and aromatics in an amount between about 25 and about 200 parts and also adding 1,2-butadiene in an amount between about 0.01 and about 0.5 part, each being parts by weight per 100 parts of said monomeric material, whereby a polymeric product is obtained.

2,559,948

CARTON FOR CYLINDRICAL OBJECTS

Grover C. Currie, Charlotte, N. C., assignor to Dacam Corporation, Charlotte, N. C.

Application August 2, 1949, Serial No. 108,088
5 Claims. (Cl. 224—45)



2. In a carrier for cylindrical objects having a top and a bottom and a pair of side panels, the side panels having a plurality of cut away portions disposed at spaced intervals along the junction of the side panels and the respective top and bottom through which the upper and lower peripheral portions of a plurality of cylindrical objects may project.

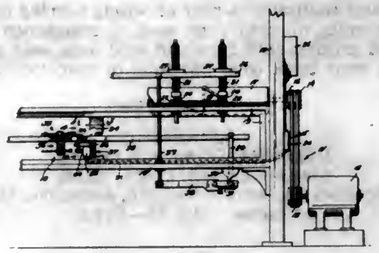
2,559,949

DOUBLE-ACTION STOP MOTION ATTACHMENT FOR SPINNING FRAMES OR TWISTERS

Joseph B. Dalton, Spindale, N. C.

Application June 16, 1950, Serial No. 168,511
11 Claims. (Cl. 57—79)

1. A stop motion attachment for spinning frames and twisters comprising a first section adapted to be detachably and adjustably mounted on a stationary part of a spinning frame or twister and a second section adapted to be detachably and adjustably mounted on a part of the spinning frame or twister and which is advanced in one direction by a reciprocating motion while the spinning frame or twister is in operation, said first section including a supporting member detachably and adjustably mounted on the stationary part of the machine, an electric switch mounted on said supporting member and adapted to interrupt the operation of the machine, said switch having a spring projected push button and being disposed in a circuit closing position when said push button is projected, a lever having one end disposed in



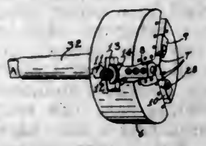
front of said switch and spaced from the push button, means mounted on said supporting member and pivotally supporting said lever intermediate of its ends; said second section including a bracket adapted to be detachably and adjustably mounted on the reciprocably movable part of the machine, and a lever actuating means adjustably supported by said bracket relatively to said movable machine part and disposed to engage the opposite end of the lever after a predetermined movement of said movable machine part in one direction relatively to the machine to rock said lever whereby the push button will be displaced inwardly to a circuit interrupting position by the movement of the first mentioned lever end toward the switch to interrupt the operation of the machine.

2,559,950

TRIPLE-TOOL TURNING HEAD

Bayard C. Davis, Rockford, Ill.

Application February 20, 1948, Serial No. 9,687
1 Claim. (Cl. 29—97)



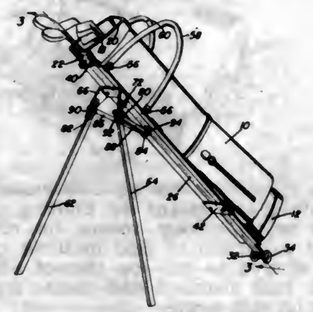
A turning head comprising a cylindrical main body having a radial T-slot receiving a radially adjustable tool holder, said tool holder comprising a T-shaped body fitting slidably in the slot, a socket in said body for mounting the tool or cutter, the main body having a half-round smooth recess provided therein in the base of the T-slot and on the radial center line thereof and the tool holder body having a registering half-round threaded recess provided therein in the T-shaped inner end thereof, a radial adjusting screw rotatable in the first recess and adapted to be turned at its outer end and threaded in the threads in the second recess, said screw having means providing an annularly projecting thrust shoulder thereon near the outer end thereof which is rotatably received in a half-round groove provided therefor in said main body concentric with said first recess, gibs in said slot in front of the cross-portion of the tool holder body and taking up most of the space left in the cross-portion of the slot on opposite sides of the tool-holder, and screws threaded in holes provided in the main body from the front end and engaging the front faces of the gibs to clamp the tool holder in adjusted position in the slot and thereby simultaneously clamp the adjusting screw against turning from its adjusted position, one of the screws associated with each gib having a reduced coaxial extension on its inner end fitting freely in a registering hole provided therefor in the gib, whereby to prevent endwise displacement of the gib from the slot when the gib screws are loosened to permit adjustment of the adjusting screw.

2,559,951

FOLDABLE GOLF BAG STAND

Frank Dunbar and Anthony Barbetta, Syracuse, N. Y.

Application February 9, 1950, Serial No. 143,195
4 Claims. (Cl. 280—36)



1. A transportable golf bag stand comprising a first elongated bar, bars on both sides of said first bar slidably and guidingly retained on the latter, means for securing a golf bag to said first bar, rollers at the bottom end of said first bar, handle means carried by said side bars, legs, and link means pivotally securing said legs to said first bar and said side bars whereby said legs fold inwardly towards said bars in response to an upward pull on said handle means and a raising of the bag to a substantially upright position, said handle means including a pair of longitudinally spaced rods each secured to said side bars and extending across said first bar and U-shaped members each secured at its leg portions to the corresponding ends of said rods.

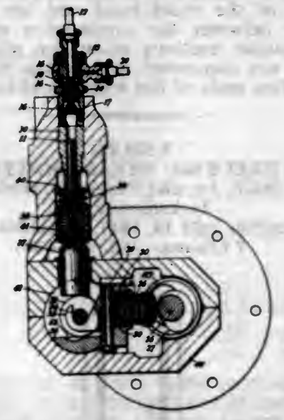
2,559,952

VARIABLE STROKE PUMP

Thomas Edwards, Bilbrook, near Wolverhampton, England, assignor to H. M. Hobson Limited, London, England, a company of Great Britain

Application November 19, 1947, Serial No. 786,946
In Great Britain August 13, 1947
11 Claims. (Cl. 103—38)

1. A hydraulic pump, comprising two pumping units aranged in line and each comprising a barrel having an inlet and an outlet, a plunger arranged to execute alternate suction and delivery strokes in the barrel, a common delivery line to receive the discharge from the outlets of the two barrels, a cam shaft, a pair of cams on the cam shaft, a driving member associated with each cam and arranged to receive reciprocating movement therefrom as the cam shaft rotates in a path at right angles to the direction of movement of the plungers, an inclined plane, and a pair of rollers, one associated with each driving member, arranged to move up and down the inclined plane as the driving members reciprocate, the rollers being associated one with each plunger and being arranged to impart movement to the plungers as they move in relation to the plane, the inclined plane being rotatably mounted so that its angle of inclination to the path of movement of the driving member may be varied, and the cams being shaped so that the plungers will maintain a constant rate of flow of liquid in the common delivery line.



2,559,953

SEPARABLE GARMENT

Adele H. Evans, Hollywood, Fla.

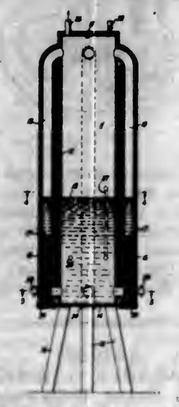
Application June 3, 1950, Serial No. 165,940
3 Claims. (Cl. 2—70)



1. Separable apparel that includes an upper and a nether garment, the upper garment having a waist hem and the nether garment having a relatively wide waist band, the garments provided with vertically aligned placket openings, a separable slide fastener including interlocking male and female sections, one section secured around the circumference of the waist hem and the other section secured around the circum-

ference of the waist band at the lower edge thereof, the edges of the placket opening in the said nether garment having co-operating fastening means therefor terminating below the waist band the sections having their opposite ends terminating short of their corresponding placket openings for leaving an area of the garment on each side of the placket opening free for alteration purposes and means for connecting the free portions of the waist band and the waist hem together between the overlapping ends of the slide fastener sections when the slide fastener sections are connected and means for connecting the free ends of the waist band together.

2,559,954
ELECTRIC STEAM BOILER
John L. Hall, Jr., and Theron D. Whidden, Sr., Jacksonville, Fla.
Application July 14, 1947, Serial No. 760,784
7 Claims. (Cl. 219—39)



1. A flash electric boiler comprising a main boiler compartment, a chamber outside said compartment and connecting into it at both its top and bottom portions, said chamber having a horizontal cross-sectional area which is less than one-tenth that of said compartment, an electric heating element in the lower part only of said chamber, means for filling said compartment and hence said chamber with water to a level above the top of said heating element but well below the middle of said compartment, and an outlet in the upper portion of said compartment above the upper connection from said chamber and separated from said connection for taking steam from said chamber and said compartment to a heating system.

2,559,955
PROJECTILE
Harlow H. Hartwell, Waterloo, N. Y.
Application November 26, 1946, Serial No. 712,372
4 Claims. (Cl. 102—51)



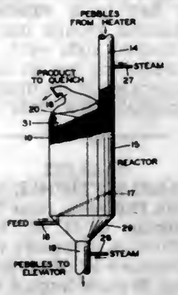
1. A projectile comprising a hollow cylindrical body closed at one end by a transverse wall and open at the other end, said transverse wall having a flat annular portion adjacent the periphery and a central portion having an outwardly extending nose, passages extending from said flat annular portion to the open end of said body adjacent the periphery thereof and being substantially straight and spaced from and inclined relative to the axis of said body, said passages being open at both ends thereof whereby air passing through said passages as said projectile travels through the air causes said projectile to rotate about its axis, said flat annular portion serving as a pressure surface for guiding air into said passages.

2,559,956
COMPRESSIBLE SECTIONAL MATTRESS
Alexarena Hay, Glace Bay, Nova Scotia, and Starr R. McLeod, Sydney, Nova Scotia, Canada
Application September 28, 1948, Serial No. 51,502
In Canada September 29, 1947
8 Claims. (Cl. 5—91)



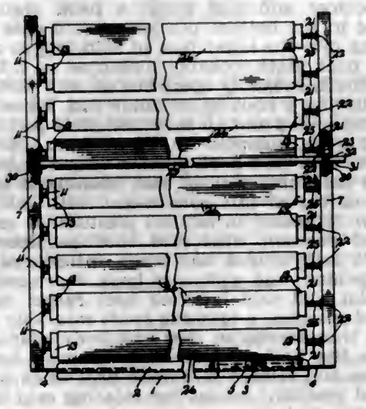
2. In a mattress having cushioning members therewithin and means for limiting the extension of said members, means for compressing at least a portion of said mattress comprising straps secured to the top thereof and passing through said members and means for exerting tension on said straps.

2,559,957
PEBBLE HEATER
Harold J. Hepp and Myron O. Kilpatrick, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application September 27, 1946, Serial No. 699,666
5 Claims. (Cl. 196—55)



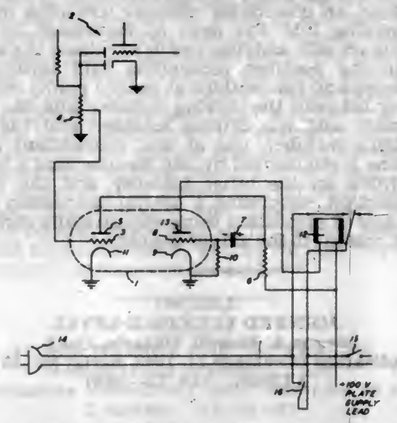
4. In a process for conversion of hydrocarbon involving cracking wherein hydrocarbon vapor is passed upwardly through a confined upright vertically extending zone in intimate contact with a gravitating bed of hot, refractory, pebbles introduced into the upper portion of said zone and flowing out the bottom thereof, thereby heating and at least partially cracking said hydrocarbon, and an effluent hydrocarbon stream subject to degradation reactions with concomitant carbon deposition is removed from the upper portion of said zone, the improvement which comprises continuously introducing said pebbles to said zone through an inlet at the juncture of its upper and lateral boundaries, thereby forming and maintaining a top surface on said pebble bed conforming to the natural slope thereof and oblique to the axis of said zone, and continuously funneling the cracked effluent through a zone of gradually and uniformly decreasing volume in the direction of flow to a vapor outlet opposite the center of the top surface of said pebble bed so as to decrease the average residence time of said effluent in the upper portion of said zone and reduce the formation of carbon therein.

2,559,958
BEDRAIL FINISHING CARRIER
Jack H. B. Herts and John E. McPhee, Grand Rapids, Mich., assignors to John Widdicomb Company, Grand Rapids, Mich., a corporation of Michigan
Application December 27, 1948, Serial No. 67,538
3 Claims. (Cl. 91—60)



1. In a structure as described, a horizontal support, two spaced vertical posts connected therewith to extend upwardly therefrom, a plurality of shafts mounted in vertical spaced relation one over the other on one of said posts, each of said shafts at its outer end having a driving element connected therewith, a second plurality of shafts rotatably and slidably extending through the other posts in horizontal alignment with the first shafts, a fixture connected to the inner end of each of all of said shafts, each fixture having means for the detachable connection of a bed rail at one end thereto, whereby a plurality of bed rails may be secured between opposed pairs of fixtures with said bed rails horizontally located and positioned vertically one over the other, yielding spring means surrounding each of the last mentioned shafts bearing against the fixture thereon and the post on which said shafts are mounted for normally moving said fixtures in a direction to engage with the end of a bed rail, but movable away therefrom to disengage from said end of the bed rail, and an endless driving member around all of said driving elements connected to the first shaft for simultaneously turning said first shafts about their axes of rotation.

2,559,959
AUTOMATIC CUTOFF FOR RADIO RECEIVERS
Thomas B. Hipps, Fort Worth, Tex.
Application November 28, 1947, Serial No. 788,450
3 Claims. (Cl. 250—2)



1. A power cut-off for a radio receiver having an automatic volume control circuit including a voltage divider resistor, a triode having its grid connected with said voltage divider resistor of said automatic volume control circuit, the plate of said triode being connected with a positive plate supply lead, a relay including a positive side and a negative side and having normally open contacts, said contacts being connected in series with one line of the power source to said receiver, the positive side of said relay being connected with said positive plate supply lead, a second triode, a condenser connected between the plate of the first said triode and the grid of the second said triode, a resistor connected between the last referred to grid and the ground of the receiver, the plate of the last referred to triode being connected with the negative side of said relay.

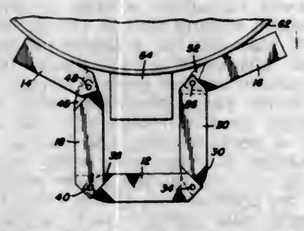
2,559,960
SELF-LOCKING MECHANISM
René Benjamin Houplain, Paris, France
Application February 26, 1946, Serial No. 650,278
In France September 24, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires September 24, 1960
11 Claims. (Cl. 192—8)



1. An irreversible driving device for rotating a driven shaft and locking the shaft from move-

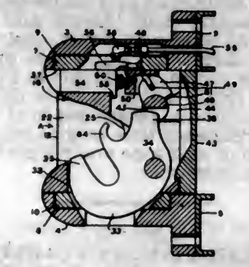
ment in either direction as soon as driving power ceases including, a driven shaft, a cam member carried by said shaft and having at least one pair of opposed slopes thereon, a stationary annular reaction surface spacedly surrounding said cam, rolling contact wedging means disposed between the periphery of said cam and the reaction surface, an unwedging member including means projecting into the path of movement of and acting on said wedging means to release the same, a driving member controlling said unwedging member and connections at spaced points respectively between the driving member and the cam member and the driving member and the unwedging member, one of said connections comprising a pin carried by one member and a notch provided on the other member and the other connection comprising a pivotal connection with the axis of pivotation being eccentrically disposed with respect to the axis of the cam.

2,559,961
JOINTED FLEXIBLE LEVEL
Argus A. Howell, Ontario, Calif.
Application December 14, 1948, Serial No. 65,108
1 Claim. (Cl. 33—208)



A jointed flexible level including a central link and a pair of end links, said central link having an ear at one end and a notch at its other end, one of said end links including an inner end having a notch and the other end link including an inner end having an ear, the notch in said one end link receiving the ear of said central link and the ear of the other end link being positioned in the notch in said central link, a first pivot pin extending through the notched end of one end link and the ear of said central link, a second pivot extending through the notched end of the central link and the ear of the other end link and paralleling the first pivot, each of said links having a recess, and a spirit level mounted in each of said recesses, the spirit level mounted in the recess of the central link being disposed at right angles to the spirit levels mounted in the recesses of the end links, said central link having beveled ends each including a pair of converging surfaces that are disposed in planes perpendicular to each other, the inner ends of said end links being beveled and each having a pair of converging surfaces that are disposed in planes perpendicular to each other, the converging surfaces of said end links and the converging surfaces of said central link meeting at points lying on a plane passing through the axes of said pivot pins when the longitudinal axes of the links are in longitudinal alignment with each other, the inner beveled ends of said end links being disposed sufficiently close to the beveled ends of said central link to permit the converging surfaces of said end links to engage the converging surfaces of said central link as the end links are swung about the pivot pins to limit swinging movement of the end links in an arc 180° relative to the central link.

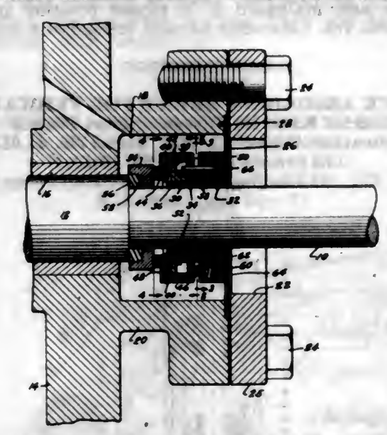
2,559,962
VEHICULAR COUPLER
Neal Hudson, Phoenix, Ariz.
Application March 22, 1950, Serial No. 151,129
4 Claims. (Cl. 280—33.15)



2. A vehicle coupler for coupling a tongue having a flat wedge-shaped body with a horizontal transverse latching bar at its front outer end, comprising in combination, a case enclosing a coupler body; bracket means for attaching said case to a traction vehicle so that it will swing horizontally throughout an outward arc; a tongue opening in said case having inwardly converging top, bottom and side walls; a hook plate slot formed in the bottom portion of said case body opening into the lower face of said tongue opening; a hook plate rockably supported on a transverse shaft, rockably operating in said slot, said plate having a hook at its outer end, a heel stop at its inner end and an intermediately positioned closing spur, adapted to move from coupling position with said hook portion raised from said slot to the upper wall of said opening to secure the cross bar of said tongue and with said heel portion depressed in latched position, to an uncoupled position with said spur positioned to contact said tongue bar when introduced into said opening, and with said hook depressed into said slot and said latching heel raised to unlatched position; a latching shaft rotatably journalled transversely in said case body adapted to engage the heel of said hook when in latched position and release said hook heel when in unlatched position; means for rotating said latching shaft including a piston element operative in a cylinder adapted to move said shaft to unlatched position when air pressure greater than atmospheric pressure is introduced into said cylinder and to retain said shaft in latched position when air pressure less than atmospheric pressure is maintained in said cylinder; a spring between said cylinder and said piston and said shaft normally urging said shaft to latched position; and manual means for rotating said shaft including handles at each end thereof adapted to normally fold to depending position and remain inoperative.

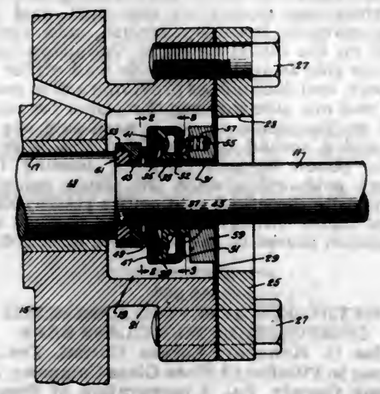
2,559,963
BEARING SEAL
Hans Jensen, Arlington Heights, Ill., assignor, by mesne assignments, to Rotary Seal Company, Chicago, Ill., a corporation of Illinois
Application October 15, 1945, Serial No. 622,443
1 Claim. (Cl. 286—11)

A shaft seal for a rotating shaft member and a cooperating sleeve member in which it extends, wherein one of said members forms a seal seat, said shaft seal comprising a seal ring formed to encircle the shaft and to make running contact with said seal seat, a flexible diaphragm of resilient rubber-like material comprising a radial flange, a central sleeve-like portion providing an opening through which the shaft may extend, and a peripheral portion extending at and embracing the outer peripheral edge of the seal ring, a retaining shell clampingly securing the peripheral portions of said seal ring and diaphragm, mounting means secured on the other of said members and formed to encircle the shaft member and to clampingly engage the



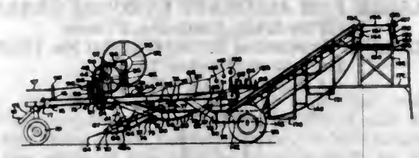
central sleeve-like portions of said diaphragm to secure the same upon said other member, a spline pin mounted on and projecting from said mounting means and extending in position for splined engagement with said retaining shell for preventing relative rotation of said seal ring with respect to said mounting means, and spring means bearing in opposite directions on said shell and mounting means to urge the seal ring in a direction to engage with the seal seat.

2,559,964
BEARING SEAL
Hans Jensen, Arlington Heights, Ill., assignor, by mesne assignments, to Rotary Seal Company, Chicago, Ill., a corporation of Illinois
Application October 17, 1945, Serial No. 622,721
1 Claim. (Cl. 286—11)



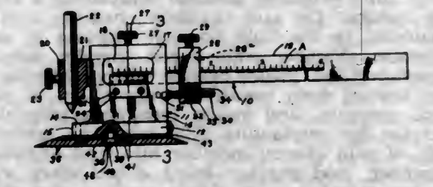
A shaft seal for a rotating shaft member and a cooperating sleeve member in which it extends, wherein one of said members carries means forming a seal seat, said shaft seal comprising a seal ring having a central opening formed to encircle the shaft and to make running contact with said seal seat, a flexible diaphragm of resilient rubber-like material comprising a central sleeve-like portion providing an opening through which the shaft may extend, and a peripheral portion extending at the outer edge of the seal ring, retaining means clampingly securing the peripheral portions of said seal ring and diaphragm, mounting means secured on the other of said member and to clampingly engage the central sleeve-like portions of said diaphragm to secure the same upon said other member, means forming a spline finger on and projecting from said other member and extending in position within the central opening of the seal ring for splined engagement therewith for preventing relative rotation of said seal ring while allowing axial motion thereof with respect to said other member, and spring means supported on said other member in position bearing on said mounting means to urge the seal ring in a direction to engage with the seal seat.

2,559,965
TUBER DIGGER AND SEPARATOR
George Innes, Altadena, Calif.
Application November 3, 1948, Serial No. 58,105
7 Claims. (Cl. 55—9)



1. A tuber harvester comprising: a wheeled frame; a digging blade pivoted from said frame; a conveyor belt associated with said digging blade; a vine stripper associated with said conveyor belt; said vine stripper comprising a rotatable drum, apertures in said drum, and resilient fingers disposed within said drum and mounted eccentrically thereof for alternate retraction into and extension out of said apertures on rotation of said drum; a vine slinger disposed adjacent said stripper; said vine slinger having the shape of a star wheel; conveying means for removing stripped vines from said harvester and comprising a walker composed of spaced serrated plates mounted for rocking movement; said walker being operable transversely of said frame; and conveying means for conveying tubers stripped of vines into loading receptacles; said last-mentioned conveying means being mounted for vertical adjustment of its discharge end with respect to the bottoms of the loading receptacles.

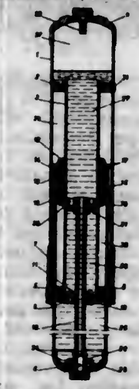
2,559,966
LAYOUT VERNIER
John W. Joseph, Bronx, N. Y.
Application June 13, 1949, Serial No. 98,788
1 Claim. (Cl. 33—26)



A layout vernier comprising a base member including a lower calibrated disc, a center punch

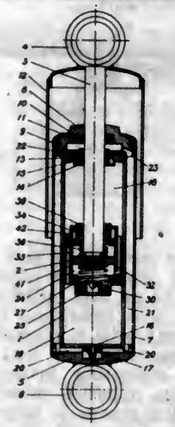
on the under side of said disc, and an upper disc segment rotatably mounted thereon and having a vernier scale, a vertical standard secured to said upper disc segment and having a longitudinally extending horizontal slot therethrough, threaded means detachably connecting said base to said standard, a transverse opening communicating with said slot, an elongated rectangular rod having a calibrated scale therein slidably carried within said slot, a calibrated plate in said opening cooperating with the calibrations on said scale, an enlarged end on said rod having a vertical bore therethrough, means embodying a set screw releasably securing a selected tool in said bore and vernier means for moving said rod, said vernier means including a traveller block having a slot therethrough through which said rod extends, a bolt secured to said standard, a nut carried by said block engaging said bolt and means for locking said rod in said last mentioned slot whereby movement of said block moves said rod, means for locking said rod against movement in said first mentioned slot and means embodying a set screw for locking said upper disc segment against rotation relative to said lower disc.

2,559,967
RETRACTABLE SHOCK ABSORBER, PARTICULARLY FOR AIRCRAFT LANDING GEARS
Maurice Katz, Coulouse, France
Application September 30, 1946, Serial No. 700,329
In France October 25, 1945
14 Claims. (Cl. 267—64)



1. A retractable shock absorber particularly adaptable to use in retractable landing gear of aircraft comprising a pair of telescoping members and partition means dividing the space enclosed by said members into chambers including a pressure chamber and an auxiliary chamber, said pressure chamber containing a gaseous medium compressible by compression of said telescoping members and providing an elastic cushion tending to extend said members, and means for relieving the pressure in said pressure chamber during slow compression of said members from their fully extended position comprising a closing member for said auxiliary chamber that is subjected to the fluid pressure existing in said pressure chamber and urged thereby toward closed position, means biasing said closing member toward open position in opposition to said fluid pressure, and means forming a restricted passage for conducting fluid from the pressure side of said closing member into said auxiliary chamber, said passage being closed when said closing member is in closed position and open when said closing member is in open position, said biasing means moving said closing member to open position when said telescoping members are fully extended and said fluid pressure drops to its minimum value and maintaining said closing member in open position throughout subsequent slow compression during which accumulation of fluid pressure is prevented by said open passage, said fluid pressure building up on subsequent sudden compression due to the restriction of said passage to move said closing member to and maintain it in closed position until the next full extension of said telescoping members.

2,559,968
SHOCK ABSORBING DEVICE FOR VEHICLES
Maurice Katz, Neuilly-sur-Seine, France
Application August 13, 1948, Serial No. 44,055
In France October 22, 1947
15 Claims. (Cl. 188—88)

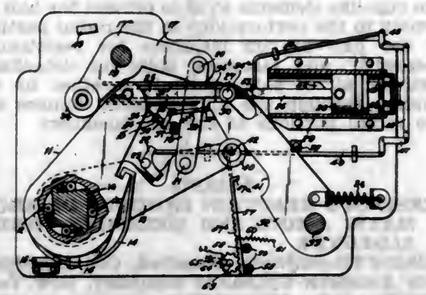


1. A hydraulic shock absorber comprising a cylinder, a piston movable axially in said cylinder and dividing it into two liquid chambers, said piston having on one side a recess with a port in its side wall, a slide valve movable axially in the recess and having a valve passage leading from said recess to the adjacent chamber and a side wall orifice communicating with said valve passage and located to register with said port when said slide valve is moved inwardly in said recess, resilient means normally maintaining said valve outwardly and uncovering said port, said valve being movable inwardly against said resilient means on the initial stroke of the piston toward said one side to register its side wall orifice with said port, and duct means providing a first passage from said one side through the piston for passing liquid as the piston moves toward said one side only and a second passage from the other side of the piston to said port for passing liquid through said orifice when the piston returns in the opposite direction, said orifice restricting the flow of liquid through said second passage when said piston moves in said opposite direction.

2,559,969
METHOD OF APPLYING A MASKING COMPOSITION TO A GLASS BASE
Douglas H. Kennedy, Corpus Christi, Tex., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application February 16, 1950, Serial No. 144,577
5 Claims. (Cl. 117—54)

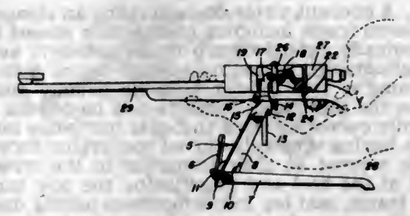
1. A method of providing a glass base with a localized electroconductive coating which comprises applying to a portion of the surface of the base a coating of a temperature resistant, removable, pulverulent masking composition of feldspar in a volatile liquid medium, leaving other surfaces of the base uncoated, heating the coated base to a temperature of the order of 1000 to 1200° F., applying stannic chloride to the surface of the heated base whereby an electroconductive coating is deposited upon the exposed surface of the glass, cooling to room temperature, and removing the masking coating from the base by washing with water.

2,559,970
INTERNAL-COMBUSTION ENGINE WITH ENERGY STORING MEANS
Roland M. King, Salisbury, N. C.
Application August 9, 1949, Serial No. 109,307
9 Claims. (Cl. 60—7)



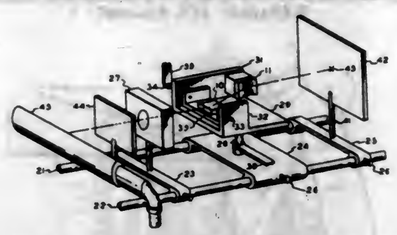
1. In a power unit, an internal combustion engine cylinder and a piston movable in said cylinder, a power shaft, an arm movably mounted on said shaft, a two-part jointed rod connecting said piston and arm, a device for storing energy actuated by said arm during the power stroke of said piston, a clutch, said energy storing device at the end of the power stroke being operative through the arm and clutch to drive said shaft and to effect the exhaust stroke of said piston, means for guiding and maintaining the parts of said rod in alignment throughout the major portion of the piston stroke, and piston actuating means controlled by said arm and operative to move the parts of the rod into angular relation to effect a partial suction stroke of the piston and to subsequently restore the rod parts to aligned position to effect the compression stroke of the piston.

2,559,971
COLLAPSIBLE TELESCOPE STAND
Herbert H. Kirby and Charles B. Thorington, Long Beach, Calif.
Application May 5, 1948, Serial No. 25,176
1 Claim. (Cl. 248—170)



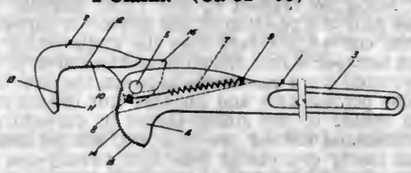
A telescope stand comprising a base composed of a post, a pair of horizontal arms pivoted to the lower end of the post for folding against the post and positioned substantially at right angles to each other to support the post in an upstanding position, a stem carried at the upper end of the post for vertical sliding and horizontal rotary adjustment, a V-shaped clamping plate for holding a telescope, and means connecting the clamping plate to one side of the stem for adjusting the angle of a telescope attached to the plate and including a substantially bellcrank lever to which the plate is pivoted, and an adjusting screw between the plate and the lever.

2,559,972
FORMATION OF X-RAY IMAGES BY REFRACTIVE FOCUSING
Paul H. Kirkpatrick, Stanford University, Calif., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application July 28, 1950, Serial No. 176,504
5 Claims. (Cl. 250—53)



1. An X-ray or gamma ray imaging system comprising means providing a bundle of said rays, a refracting prism having a concave face disposed in the path of the bundle of rays with its concave face at a small angle to the bundle of rays, and a detector for said rays located in the path of the rays refracted and transmitted by said prism.

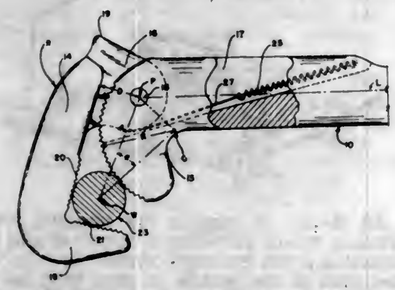
2,559,973
PIVOTED JAW WRENCH
Bernard P. Kunz, Aurora, Colo.
Application October 22, 1947, Serial No. 781,379
1 Claim. (Cl. 81—99)



In a wrench of the class described, a handle member having an integral jaw portion at one end, said jaw portion having a curved jaw face formed of two distinct arcs of substantial length, the centers of which lie on a common radial line, and a jaw member having an inwardly directed extension pivoted to the jaw portion of the handle member in spaced relation to said curved face and formed to provide two right angle related faces, the centers of the two arcs of the curved jaw face being on that side of said curved jaw face away from the faces of the swinging jaw and the arc nearest the pivoted axis of the pivoted jaw having a radius at least twice as great as that of the other arc of said curved face and the length of the smaller radius being between forty and fifty percent of the distance from the pivotal axis to the most remote face of the right angle faces, said pivoted jaw member having its pivot axis outwardly spaced from the longitudinal axis of the handle,

and spaced from a plane containing the adjacent right angularly related face by a distance at least as great as the distance between said pivot axis and the adjacent portion of said curved jaw, whereby said pivot axis is so related to the arcs of the curved jaw face that when various size circular members are positioned between the jaws of the wrench each circular member will be engaged by the curved jaw face at a point more than 90 degrees from either point engaged by faces of the pivoted jaw and inwardly by at least 7 degrees from a point where the line bisecting the right angle of the pivoted jaw faces intersects the surface of the circular member remote from said pivoted jaw faces.

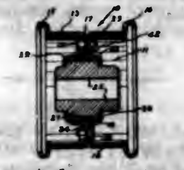
2,559,974
WRENCH HAVING A PIVOTED OUTER JAW
Bernard P. Kunz, Englewood, Colo.
Application November 5, 1949, Serial No. 125,672
1 Claim. (Cl. 81—99)



In a wrench of the class described, a handle member having a jaw portion provided with an outwardly curved jaw face having a single center of curvature, and a swinging jaw member having an inwardly directed extension pivoted to the handle member and provided with jaw faces each lying in a single plane and said faces being at right angles to each other whereby round work can be received and gripped between all three jaw faces, the pivotal axis of the swinging jaw member being so related to the right angular jaw faces and the position of the center of curvature of the curved jaw face that the angle which can exist between a line drawn from the center of any size round work receivable between the jaw faces to the pivotal axis and another line drawn from said center to the single center of curvature of the engaged curved jaw face will not be greater than thirty degrees or less than twenty-one degrees, the pivotal axis of the swinging jaw member being so related to the right angular jaw faces and also to the curved jaw face that the largest diameter of round work that can be received between the jaw faces will be approximately twice the shortest distance between the pivotal axis and the plane in which lies that jaw face of the swinging jaw member which is closest to the pivotal axis.

2,559,975
WHEEL
John J. Lange, Cuyahoga Falls, and Alger G. Maranville, Akron, Ohio, assignors to The Falls Stamping & Welding Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application June 21, 1946, Serial No. 678,384
5 Claims. (Cl. 301—63)

1. A demountable wheel comprising a pair of flanged cup-like elements having centrally apertured and perforated radial web portions disposed back to back against one another with the flanges extending in opposite directions from the back to back portions to define a wheel rim; a hub assembly associated with the wheel rim comprising another pair of cup-like elements having perforated flange portions in engagement to define a hollow body; a bearing element contained within said hollow body; said hub as-



sembly being mounted concentrically of the defined wheel rim and in the central apertures of the adjacent radial web portions of said wheel rim cup-like elements so as to present the hub assembly to the perforations in the radial portions of the pair of rim members for registration therewith; and fastening bolts for detachably securing all of said elements together by extending through the hub assembly flanges and the radial portions of the rim members.

2,559,976
RESINOUS REACTION PRODUCT OF AROMATIC AMINE AND MELAMINE-FORMALDEHYDE
Richard Lindenfelser, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 26, 1947, Serial No. 737,469
7 Claims. (Cl. 260—67.6)

1. A resinous composition comprising the fusible heat reaction product of a primary monoamine selected from the group consisting of alpha naphthylamine, beta naphthylamine, and o-aminodiphenyl and a thermosetting melamine-formaldehyde resin wherein the mol ratio of the monoamine to melamine is about 0.5:1, respectively.

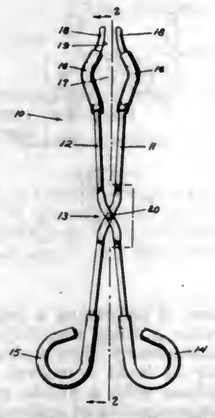
2,559,977
WATER SKI
Gustav L. Lundborg, Norristown, Pa.
Application March 11, 1949, Serial No. 80,895
2 Claims. (Cl. 9—21)



1. A buoyant water ski comprising an elongated skeleton frame including transversely spaced longitudinally extending top frame members and a longitudinally extending bottom frame member forming a keel, said keel being equally spaced from the top frame members and having an upwardly curved forward end, said top frame members having upwardly curved converging forward ends secured at their terminals to the forward end of the keel and constituting the bow end of the frame, said top frame members having downwardly converging rear end portions merging with and secured to the rear end of the keel and constituting the stern of the frame; and an airtight

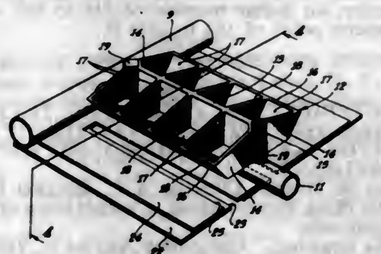
casing of an inflatable material disposed over and vulcanized to portions of said frame and provided with an inflating valve.

2,559,978
TONGS
John L. Marco, Flushing, N. Y., assignor to Goodman-Kleiner Co., Inc., New York, N. Y., a corporation of New York
Application August 7, 1946, Serial No. 688,990
1 Claim. (Cl. 294—28)



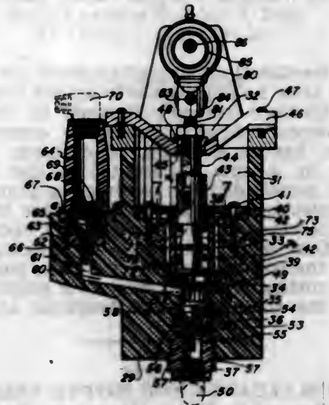
Tongs of the character described comprising two crossed round wire pivoted members of substantially uniform cross-section, said pivoted members flattened at approximately the central part, a pair of opposed finger pieces covered with rubber tubing at one end of each of said pivoted members, the end opposite said finger pieces of said pivoted members bent in an outward direction to said pivoted members and then bent at approximately their central portions in opposite directions providing a widened opening at said central portions for holding articles, said bent ends covered with rubber tubing, the extreme ends tapered towards the distal ends, said extreme ends bent outwardly and having serrated flattened inside portions for picking up small articles, said inside serrated portions being slightly curved away from each other, said bent ends and said widened opening and said serrated tapered ends bent at approximately a 45° angle to said pivoted members.

2,559,979
MULTIPLE GAS BURNER
Arthur E. Martois, Torrance, Calif.
Application February 23, 1945, Serial No. 579,357
5 Claims. (Cl. 158—106)



2. In a burner assembly, a gas distributing pipe, a pair of mixing units supported upon said pipe in serial contiguous relationship with one another, each of said mixing units having mixing chambers therein, means secured in rigid relationship with said pipe to resist movement of said mixing units longitudinally of said pipe, adjoining contiguous portions of said respective mixing units having registering recesses therein, means mounted upon said pipe engageable in both of said recesses to resist lateral motion of adjoining ends of said mixing units with respect to said pipe, said pipe having orifices therein to direct gas into said mixing chambers of each of said mixing units.

2,559,980
PUMP
Clyde M. McAllister, Waco, Tex., assignor, by mesne assignments, to Roane M. Lacy, Waco, Tex.
Application April 16, 1949, Serial No. 88,023
4 Claims. (Cl. 103—153)



1. A chemical feed pump including, a body, a cylinder in the body having an inlet and an outlet, a plunger reciprocal in the cylinder, means for reciprocating the plunger, said plunger having tapered surfaces, and an O-ring confined upon and encircling each tapered surface for sealing off between said plunger and cylinder.

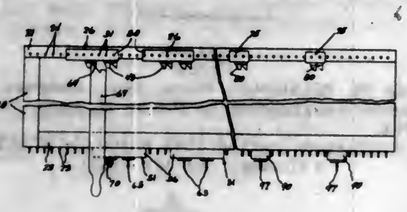
2,559,981
TOWING DEVICE FOR GOLF BAG CARTS AND THE LIKE
Robert H. McBride, Denver, Colo.
Application April 24, 1950, Serial No. 157,681
20 Claims. (Cl. 224—5)



1. A device for towing a golf bag cart or the like, comprising a holster attachable to a person desiring to tow said cart or the like, said holster

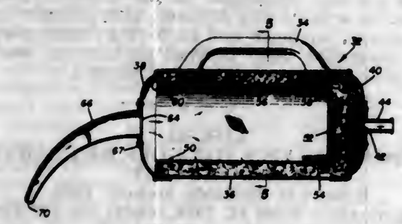
being provided with a receiver; a hook engageable with and disengageable from said receiver; and means for attaching said hook to a handle or the like of said cart.

2,559,982
ATTACHMENT FOR CUTTING TABLES
Thomas McDowell, Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application December 13, 1946, Serial No. 715,958
12 Claims. (Cl. 33—80)



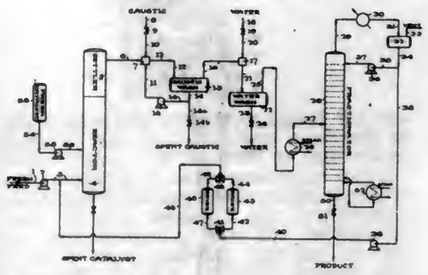
1. A fractional cutting attachment for a glass cutting table having regularly spaced rule gauging projections thereon disposed in rows adjacent opposite edges of said table, comprising a member having a series of openings therein spaced in a row according to the spacing of said projections for receiving a plurality of said projections therein, said member having a guide therein parallel to said row of openings, a slide adjustable in said guide and having a projection thereon adapted to gauge the position of a glass cutting rule, and means for positively securing the slide at various positions along the guide.

2,559,983
VACUUM CLEANER FOR MOTOR VEHICLES
Howard H. Miller, Havertown, Pa.
Application November 20, 1946, Serial No. 711,013
6 Claims. (Cl. 15—313)



1. A combined filter and nozzle unit for use with the intake manifold of an internal combustion engine in an automotive vehicle comprising; a cylindrical casing having inlet and exhaust openings at the ends thereof, a perforated sleeve within said casing and spaced from the walls and outlet end thereof, filtering material disposed between said sleeve and said casing and a nozzle opening into said sleeve, said sleeve having a flanged open end seating upon and secured to the inlet end of said casing, and a closed end adjacent but spaced from the outlet end of said casing, a fabric bag disposed inside said sleeve and in contact with the inside walls thereof, said bag having an open end, an annular flange on said open end, and means detachably securing said annular flange to said sleeve flange.

2,559,984
PROCESS OF PREPARING POLYMERIC LUBRICATING OILS
Charles W. Montgomery and William I. Gilbert, Oakmont, and Robert E. Kline, Penn Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application November 21, 1947, Serial No. 787,280
13 Claims. (Cl. 260—683.15)



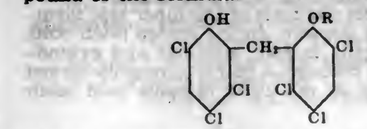
1. The process of preparing a polymeric lubricating oil having a high viscosity index which comprises continuously contacting an olefin, which contains at least 3 carbon atoms, while in the liquid phase with a halide polymerization catalyst at a temperature of between about —20° and 40° C., and polymerizing at least about 10 per cent but not more than about 20 per cent monomer to polymer.

2,559,985
PROCESS FOR AIR-BLOWING CLAY TOWER POLYMER
Lloyd C. Morris, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 10, 1945, Serial No. 634,154
2 Claims. (Cl. 260—82)

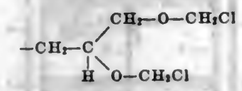
1. A method for obtaining solid resinous material from hydrocarbon polymers formed in the refining of cracking petroleum distillates with solid contact materials at elevated temperatures, said polymers having an iodine number of 203 and a specific gravity of 0.959 at 60° F., which comprises contacting said hydrocarbon polymers with air for a period of 3 to 6 hours while maintaining a temperature within the range of 300° to 480° F. and a flow rate of air of 14.5 to 22 cubic feet per gallon of polymer per hour to obtain a solid hydrocarbon soluble resin having an acid number within the range of 0.4 to 0.6 milligram of potassium hydroxide per gram of polymer, an iodine number of 214 to 221, and a softening point of 150 to 155° F.

2,559,986
BACTERIOSTATIC CELLULOSIC TEXTILE REACTED WITH DERIVATIVES OF DIHYDROXY HEXACHLORO DIPHENYL METHANE
David M. Musser, Clemson, S. C., assignor to Pacific Mills, Boston, Mass., a corporation of Massachusetts
No Drawing. Application August 31, 1946, Serial No. 694,422
10 Claims. (Cl. 8—116)

1. A cellulosic textile material which has been rendered bacteriostatic by reaction with a compound of the formula.

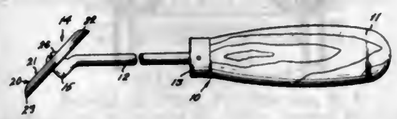


wherein R represents one of the group of radicals consisting of —CH_2—CHOH—CH_2—O—CH_2Cl, and



said textile material being of the class containing free hydroxyl groups.

2,559,987
GROOVE CUTTING OR INLETTING TOOL
Leslie N. Niccolls, Eugene, Oreg.
Application May 27, 1949, Serial No. 95,721
2 Claims. (Cl. 30—314)



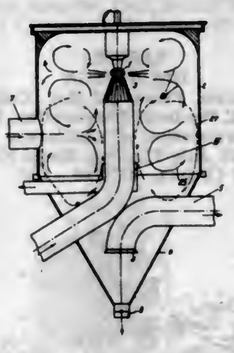
1. A groove cutting or inletting tool comprising an elongated shank having an offset terminal portion provided with a threaded bore disposed at an oblique angle to the axis of the shank, said terminal portion having an outer end surface disposed at a right angle to said bore and at an oblique angle to the axis of the shank through which one end of the bore opens, a disk-shaped blade having a substantially flat inner surface including a recessed central portion disposed in abutting engagement with said outer end surface of the offset terminal, a headed fastening extended centrally through the blade and secured in said threaded bore for securing the blade to the offset terminal and supporting the blade with its plane at an oblique angle to the axis of the shank, the peripheral edge of the flat inner surface of the blade constituting a circular cutting edge, said blade having a flat outer surface disposed parallel to its inner surface and terminating in spaced relationship to the periphery of the blade, and said outer surface of the blade including an annular portion surrounding said flat outer surface and which is convexly arced in cross section, said last mentioned portion being disposed between the cutting edge of the blade and the flat outer surface of the blade and forming a workpiece engaging and guiding surface.

2,559,988
TERMINAL STRUCTURE FOR COIL FORMS
Atherton Noyes, Jr., Mountain Lakes, N. J., assignor to Aircraft Radio Corporation, Boonton, N. J., a corporation of New Jersey
Application June 30, 1948, Serial No. 36,081
10 Claims. (Cl. 173—324)

1. A combined coil support and lead-off assembly comprising an elongated form adapted to receive the coil, a lead-off conductor having a lateral offset portion intermediate the terminal ends thereof, a pair of confronting discs at one end of said form each of which is provided with an aperture extending between the opposite faces thereof, said offset portion of said conductor being seated between the confronting faces of said discs with the terminal ends of said conductor extending through the disc apertures aligned therewith, and means securing said discs together and to the end of the said form thereby to clamp the offset portion of said conductor between said discs.



2,559,989
SPRAY DRIER
Johan Ernst Nyrop, Copenhagen, Denmark
Application February 19, 1946, Serial No. 648,774
In Denmark October 9, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 9, 1961
12 Claims. (Cl. 159—4)



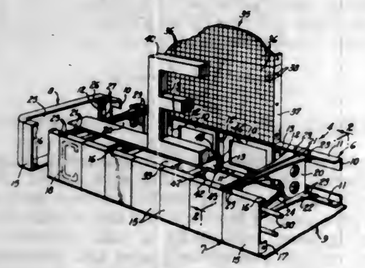
1. In an apparatus for drying a mass of liquefied material, the combination of a closed chamber provided at its lower portion with a discharge duct; a pipe passed through the top of said chamber and disposed co-axially of said chamber; an atomizer on the end of said pipe and disposed in the upper portion of said chamber; a second pipe passed through the wall of said chamber and having its terminal portion in said chamber disposed co-axially with said first pipe; a nozzle on the end of said terminal portion and disposed closely adjacent said atomizer; a discharge conduit passed through the wall of said chamber and having an annular intake portion dispose about the lower end of said terminal portion; and a supply conduit passed through the wall of said chamber, connected with said discharge conduit and having its discharge end in said chamber disposed normal to said terminal portion and intermediate said nozzle and said annular intake portion.

2,559,990
INSULATING TAPE
Ralph J. Oace, New Canada Township, Ramsey County, and Robert Burns Snell and Esther E. Eastwold, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application January 12, 1946, Serial No. 641,000
5 Claims. (Cl. 117—122)

1. A pressure-sensitive adhesive insulating tape wound upon itself in roll form and comprised

of: a stretchable and elastic film backing having a thickness of 4 to 20 mils and formed of a homogeneous mixture primarily consisting of a stable blend of a film-forming polymer of monomers including at least a major proportion of vinyl chloride, a substantially non-volatile liquid phthalyl ester plasticizer amounting to 8 to 20 parts per 100 parts of said polymer, and a soft and viscous low-acid-number alkyd plasticizer resin in amount at least equal to the amount of said liquid phthalyl ester plasticizer, the total amount of said plasticizers being about ⅓ to ½ the amount of said polymer and the proportions being such that the adhesive tape has the properties of stretch and elasticity hereafter specified without causing pastiness or tack-loss of the contacting adhesive in the roll; and a eucohesive normally tacky and pressure-sensitive rubber-resin type adhesive coating united to the inner face of said film backing; said adhesive tape being unwindable without delamination or offsetting of adhesive, being originally stretchable by hand-pulling to an extent of at least 50% at room temperature and being substantially completely retractable from an elongation of 30% as herein specified.

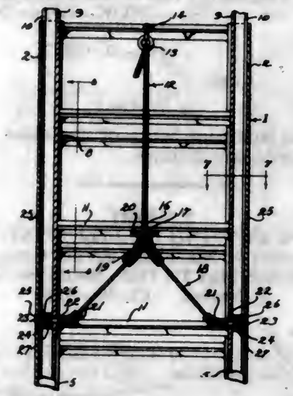
2,559,991
DECK SIGN
Harold R. Owen, Playa del Rey, Calif., assignor to Electrical Products Corporation, Los Angeles, Calif., a corporation of California
Application July 17, 1948, Serial No. 39,240
4 Claims. (Cl. 40—130)



1. An illuminated sign, comprising: a trough-like frame adapted to be mounted against a vertical support and having a front wall; a source of light within said frame adapted to project light onto a background surface spaced rearwardly of said source of light; at least one sign character; and supporting means carried by said frame for supporting said character in spaced relation to said front wall, said sign character being silhouetted against said illuminated background, said supporting means being provided with a light-reflecting surface disposed between said front wall and said character adapted to reflect light transmitted by said light source so as to provide a band of light between said frame and said character.

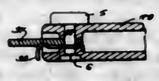
2,559,992
EXTENSION LADDER
John L. Painter, Jr., West Newton, Pa.
Application April 26, 1946, Serial No. 665,177
2 Claims. (Cl. 228—65)

1. Operating means for an extension ladder having rung connected inner channel side members slidably fitting with the bottoms of the channels confronting in outer channel side members, said means comprising a pair of opposite bushings fixed in the channels of the inner side members in hidden position, spring loaded latch bolts slidably retractile in said bushings and extending out of said bottoms, a pair of upwardly curved tubular guides on one rung opposite said latch



bolts, a flexible pull member of inverted V-shape extending upwardly from said guides with ends extending into said guides and attached to said latch bolts, a tubular guide on a higher rung into which said flexible member extends, and a pull line attached to said flexible member to extend upwardly from said last named guide.

2,559,993
HANDLE WITH RECESS FOR PIVOTED BLADES
Homer P. Parrigin and Ira W. McAteer, Dallas, Tex.
Application August 16, 1948, Serial No. 44,555
1 Claim. (Cl. 145—62)



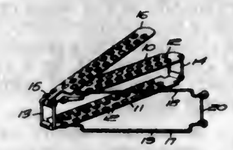
In a tool a handle comprising a pair of handle sections shaped to define between them a blade-receiving recess and an open end recess, said handle sections including opposed bosses separating the recesses; a connecting bolt extending through said bosses and joining the handle sections together; a pivoted blade swinging on said bolt, said blade swinging into the blade-receiving recess to an inoperative blade position and swinging out of said blade-receiving recess to an operative position in which it extends through and out of said end recess; and a blade-engaging detent member formed from flat spring material, one end of said member being fixedly mounted in the handle, the other end of said member extending through the end recess and including at least one blade-engaging node for engaging the blade in its extended position, said detent member including a finger grip at its free end for pressing the detent member downwardly within said end recess for disengagement from said blade.

2,559,994
PIPE BOWL CLEANER
Dan Hage Paludan, Copenhagen, Denmark
Application September 5, 1946, Serial No. 694,936
In Denmark July 13, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 13, 1963
3 Claims. (Cl. 131—246)



1. A pipe bowl cleaner of the type having a central frame, flat blade guides on said frame and radiating from the longitudinal axis of the cleaner, cleaning blades pivotally mounted at one end of said blade guides, said cleaning blades having on their free ends guide pins, a rotatable guiding plate perpendicular to said axis of the cleaner and having slits for guiding said guide pins in a movement parallel to the corresponding blade guides and releasable means for securing the cleaning blades in any chosen position.

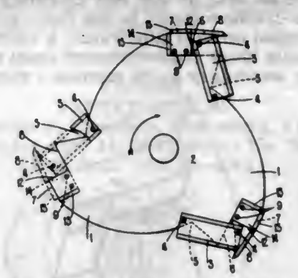
2,559,995
HAIR CURLER
Joseph H. Paul, Providence, R. I.
Application January 19, 1949, Serial No. 71,593
1 Claim. (Cl. 132—41)



A hair curler for producing a flat hair curl which lies closely against the head, said curler comprising a pair of parallel bars, links pivotally securing the opposite ends of each bar whereby said bars are retained in spaced relationship to each other forming a rectangular shaped curler which is deformable to a rhomboidal shape when said curler is collapsed, an auxiliary member carried by said curler for clamping a portion of a strand of hair to be curled against one of said bars to hold the same in position for winding about said spaced parallel bars, and means mounted on said curler for locking the hair strand curled about said bars to secure the same thereto and prevent unwinding of the hair strand therefrom.

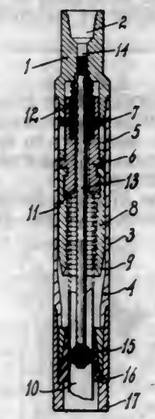
2,559,996
ROTARY CUTTERHEAD
Albert Vinten Pettman, Epsom, New Zealand
Application January 3, 1949, Serial No. 69,023
In New Zealand January 19, 1948
4 Claims. (Cl. 97—212)

1. A rotary cultivator comprising a disc adapted to be mounted on a shaft to rotate therewith, arms extending radially from the disc and having the outer ends spaced therefrom to leave gaps, leading cross cutters mounted on said arms, blade cutters fitted to said arms and extending across the gaps so as to present in advance of said cross cutters, cutting edges which make a cut in the ground in or parallel with the plane through which the disc rotates, the leading cross cutters being disposed across the outer ends of the preceding blade cutters, and wing-like following cross cutters also secured to the arms rearwardly of the leading cross cutters and having



their cutting edges located at different distances from the center of the cultivator than the cutting edges of the leading cross cutters.

2,559,997
DUAL PACK-OFF SOCKET
Daniel D. Pilgrim and John J. Meagher, Bakersfield, Calif.
Application June 20, 1947, Serial No. 756,066
2 Claims. (Cl. 294—102)

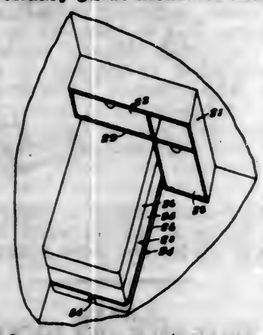


1. A dual pack-off socket, comprising a head, a slip hanger mounted in the head, a sleeve depending from the head, a slip socket mounted in the head, latch means in the head engaged by the slip hanger, slips depending from the slip hanger, and teeth on the bottom surface of the slip hanger adapted to engage the lost section of the pipe, whereby said slip hanger is held against rotation when said teeth engage the lost section of pipe, a pipe depending from said head, a packing mounted on the lower end of the pipe and engaging the inside of the lost pipe, and an outside packing engaging the outside of the lost pipe, and means mounting said last named packing, said first and last named packings being in substantially the same horizontal plane.

2,559,998
BED STRUCTURE
Fred L. Rega, New York, N. Y., and William E. Hartmann, Millburn, N. J., assignors to Thos. Emery's Sons, Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application January 13, 1948, Serial No. 1,948
11 Claims. (Cl. 5—18)

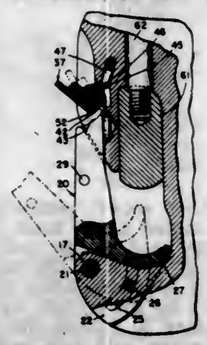
1. An extensible bed structure adapted to be installed in a room in permanent association with

a cabinet fixture having a compartment adapted to receive an end of the bed assembly comprising, a sub-frame secured to the floor, guide members mounted on said sub-frame, a longitudinally translatable lower frame tracked upon said guide members, secondary guide members mounted up-



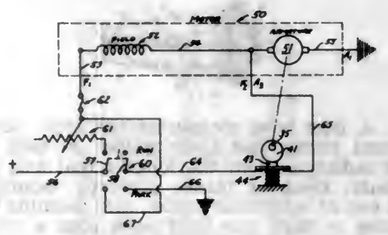
on said lower frame, an upper transversely translatable frame tracked upon said guide members and adapted to support a bed spring, and respective latching devices for said lower and upper frames adapted to lock each of said frames individually in a selective extended or retracted position.

2,559,999
PIVOTED SNAP HOOK
Louis M. Regan, Wilmington, and Burt S. Minor, Whittier, Calif., assignors to Regan Forge and Engineering Company, San Pedro, Calif., a corporation of California
Application May 17, 1947, Serial No. 748,788
4 Claims. (Cl. 24—241)



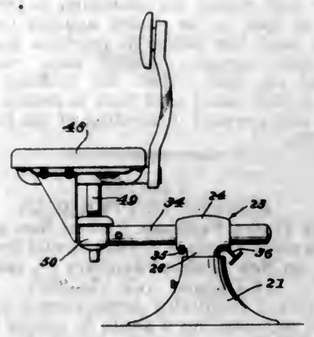
1. In a hook having a body and a hooked portion terminating in a bill, safety latch means for closing the hook comprising, a latch arm pivotally mounted on the bill of the hook and adapted to extend to the body of the hook, a latch keeper pivotally mounted in the body of the hook, said keeper having a portion providing an arcuate face substantially concentric about the pivotal axis of the keeper normally in the path of and partially outwardly of a mating face formed on the outer end of said arm, said keeper being movable to a position to permit passage of said arm, and a projection on said keeper positioned outwardly of said arcuate face and normally out of the path of said arm, said projection being in the path of said arm when said keeper is pivoted a predetermined distance in a direction to permit passage of said arm whereby outward movement of said arm is effective to return said keeper to normal position through the medium of said projection.

2,560,000
ELECTRIC WINDSHIELD WIPER WITH DYNAMIC BRAKE PARKING
Columbus R. Sacchini, Willoughby, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application January 27, 1949, Serial No. 73,142
2 Claims. (Cl. 318—275)



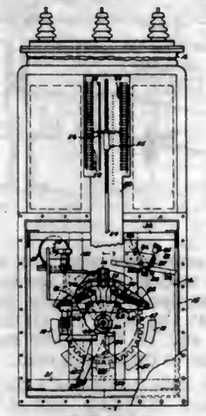
1. In and for a reciprocating windshield wiper mechanism connected for operation by a series wound electric motor having field and armature windings, means including a manually operable control switch having a position completing a normal operating circuit for the motor, a dynamic braking energizing circuit connected to the field winding and including a circuit portion short-circuiting the armature winding, a portion of the energizing circuit including a normally open switch closed cyclically by the wiper reciprocating mechanism during normal operation of the motor, said energizing circuit having a portion controlled by the manual control switch in a second position thereof which maintains the operating series circuit of the motor closed.

2,560,001
FILING CHAIR
Richard P. Scholfield, White Plains, and Lester R. Houghtaling, Yonkers, N. Y.; said Houghtaling assignor to said Scholfield
Application September 10, 1948, Serial No. 48,702
10 Claims. (Cl. 155—81)



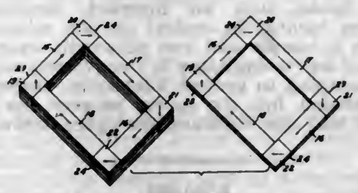
1. A chair for use with filing equipment, comprising a floor-supported pedestal having a vertical socket therein, a T-fitting having a vertical stem axially journalled in the socket and a horizontal sleeve, an arm slidable in said sleeve for horizontal adjustment, and a seat carried by one end of said arm in horizontally spaced relation to said T-fitting.

2,560,002
VOLTAGE REGULATING CONTROL AND APPARATUS
William C. Sealey, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 27, 1945, Serial No. 607,411
5 Claims. (Cl. 175—375)



1. In a step type regulating system, the combination of a device defining a plurality of alternate main and intermediate contact positions, a movable contact, motor means for moving said contact from one said position to the next in either direction with a rapid snap action, means for initiating operation of said motor means, means responsive to movement of said contact into any of said intermediate positions for maintaining said motor means in operation, and means responsive to movement of said contact into any of said main positions for rendering said maintaining means ineffective.

2,560,003
MAGNETIC CORE COMPRISING LEG, YOKE, AND CORNER LAMINATIONS
William C. Sealey, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 13, 1948, Serial No. 8,095
10 Claims. (Cl. 175—356)



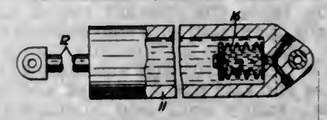
1. A magnetic core having a closed magnetic circuit comprising abutting flat leg, yoke and corner laminations of magnetic steel assembled in stacks of superposed layers, said corner laminations between the adjacent ends of said leg and yoke laminations forming the corners of said core, the most favorable magnetic characteristics of said leg and yoke laminations being in their respective lengthwise directions displaced 90° from each other and the magnetic characteristics in any one of said corner laminations being at least as favorable in a direction substantially normal to the bisector of the angle between the lengthwise directions of the leg and the yoke laminations adjacent said one corner lamination as in any other direction.

2,560,004
SAFETY RAZOR
Howell F. Shannon, Richmond, Va.
Application July 14, 1947, Serial No. 760,832
11 Claims. (Cl. 30—74.1)



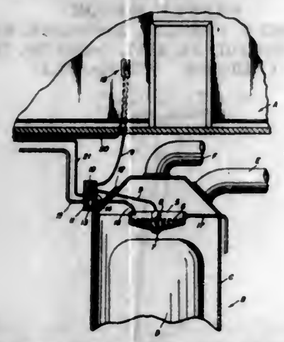
1. In a safety razor, a pair of complemental guard plates each having inner and outer side edge portions, each of said plates having a transverse outwardly concave surface and a guard at the outer side edge portion thereof, each of said guards having an outwardly convex curvature longitudinally thereof, a plurality of clamping fingers projecting from the inner edge portion of each of said plates, each of said fingers being curved outwardly and then inwardly, blade positioning means on each of said plates, a pair of handle elements, means pivotally connecting said handle elements, and means connecting one of said handle elements to one of said plates and the other of said handle elements to the other of said plates.

2,560,005
RESILIENT TELESCOPIC DEVICE
Henry Shawbrook, New York, N. Y., and Arthur E. Bingham, Cheltenham, England, assignors to Dowty Equipment Limited, Cheltenham, England
Application February 13, 1950, Serial No. 143,852
In Great Britain February 14, 1949
16 Claims. (Cl. 267—64)



1. A liquid spring type resilient telescopic device, including a casing defining a main chamber wholly filled with a liquid medium, and a plunger movable thereinto under load to reduce the volume of said chamber and thereby to compress such liquid medium resiliently, the plunger being movable outwardly of the chamber by the resilience of the liquid medium upon relief of such load, said liquid spring device being characterized in that a portion only of the resiliently compressible liquid medium comprises a subsidiary liquid medium having the characteristic of expanding upon freezing, and which has a freezing point within the normal operating temperature range, the remainder of the liquid medium having a lower freezing point, and a supplemental chamber of variable volume in free pressure-exchange relationship with the interior of said main chamber and at all times wholly filled with said liquid of higher freezing point.

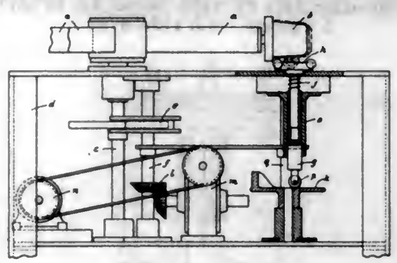
2,560,006
AUTOMATIC HUMIDITY REGULATING MEANS FOR ROOMS
Myron J. Snyder, Flint, Mich.
Application May 17, 1948, Serial No. 27,383
1 Claim. (Cl. 236—44)



In a structural assemblage of the class shown and described, in combination, a furnace, a room, ducts connected with the furnace and in communicative relation with said room, a water containing and humidifier pan mounted in the usual plenum chamber of said furnace, said pan being completely open at its top, a water supply pipe leading from a source of supply and having a nozzle portion extending from the exterior of the furnace into said plenum chamber and depending and discharging into said pan, said nozzle portion being free of mechanical connection with said pan, a solenoid valve mounted in said supply line, a secondary switch electrically connected with said valve for energizing and deenergizing the valve and consequently opening and closing said valve, an enclosing box mounted on the exterior of said furnace and enclosing said solenoid valve and said secondary switch, a float arm separate from but in close proximity to said nozzle portion, said arm being mechanically connected at one end with said secondary switch for snapping the latter "on" and "off," the remaining end of said arm overlying the open top of said pan, a float secured on the last-named end of said arm and adapted for cooperation with water in the pan, and a humidostat in said room, said humidostat having the usual circuit make and break switch, the latter being the primary switch and being electrically connected with said secondary switch, whereby the source of humidity supply in said furnace is temporarily and automatically thrown out of use and said pan is emptied and permitted to remain empty until said humidostat, under room conditions, calls for humidification from the furnace.

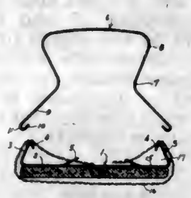
2,560,007
APPARATUS FOR SECURING A HANDLE TO A CUP OR OTHER HOLLOW WARE ARTICLE MADE OF EARTHENWARE OR CHINA
Arthur Steele, Barlaston, England
Application January 30, 1948, Serial No. 5,258
In Great Britain October 20, 1943
7 Claims. (Cl. 25—22)

1. An apparatus for securing a handle member to a cup member comprising radial arms having supports on the outer ends for one of said members, a shaft to which said radial arms are affixed, a frame for supporting said shaft for rotation, a Geneva mechanism for intermittently rotating said shaft and arms to bring the members successively past a securing station and there permitting the member to stop during the securing operation, a ram at the securing station having a movement intersecting the path of the outer portions of said arms, a holder on said ram for the other member, said ram comprising relatively



movable upper and lower members, a spring interposed between said members for communicating movement from the lower to the upper member, a rotary cam at the securing station for engaging the lower end of the lower member of the ram, and means to drive said cam.

2,560,008
GREASE MOP FOR GRIDDLES
Don C. Steward, Phoenix, Ariz.
Application September 12, 1949, Serial No. 115,232
4 Claims. (Cl. 15—231)

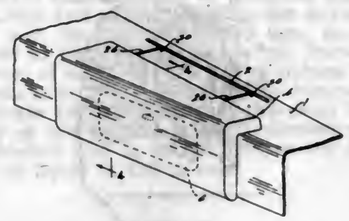


3. In a grease mop for griddles, the combination of an elongated, rectangular shoe having side walls extending upwardly and inwardly on each side thereof, the upper edges of said side walls having downwardly disposed retaining flanges, the upper face of said shoe carrying longitudinally two rows of upwardly centrally opposed hooks, and an inverted, longitudinal U-spring having its central portion constricted to form a handle and two outwardly extending legs, said legs terminating in transversely notched beads adapted to project bilaterally, under outward tension, into the spaces between the inner faces of said side walls and the upper face of said shoe.

2,560,009
AUTOMOBILE CRASH PAD
Claire L. Straith, Detroit, Mich., assignor to Virginia Straith Jeffries, Richard E. Straith, Dorothy Straith Diefenbach, and William M. Straith
Application July 2, 1947, Serial No. 758,555
14 Claims. (Cl. 280—150)

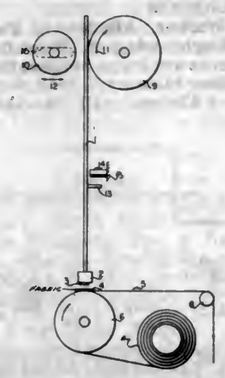
1. An accessory of the character described comprising a resilient padlike member, a hollow shapable, frame member formed of relatively thin and narrow material extending peripherally around and substantially at the peripheral edge portion of said pad member and embedded there-

in and bendable to define a surface of the general shape of the section of a vehicle instrument panel with which it is adapted to be associated, a pair of hook members, said hook members having hooklike portions securing one end por-



tion of said hook members to said frame member, said hook members each having another portion extending outwardly of said padlike member, said hook member other portions being angularly offset and adapted to extend into defrosting openings in the instrument panel.

2,560,010
MACHINE FOR TESTING THE QUALITY OF CARBON PAPER, INKING RIBBONS, AND THE LIKE
Jan Strobosch, Apeldoorn, Netherlands, assignor to Talens & Zoon N. V., Apeldoorn, Netherlands
Application January 2, 1947, Serial No. 719,762
In the Netherlands August 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 12, 1963
3 Claims. (Cl. 73—14)

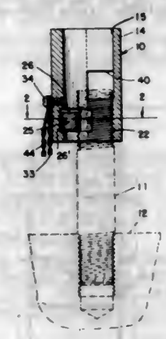


1. A device for testing typewriter ribbons and carbon paper material, comprising a gravity drop rod mounted for a drop in axial direction, a type letter secured to said rod, pick up means engageable with said rod and arranged to alternately elevate and release the same for a drop, a dog laterally extending from said rod, a stationarily mounted stop member disposed above said dog and arranged to be engaged by said dog in an elevated position of the rod for limiting the drop stroke of the rod, a resilient layer covering the side of the stop member facing said dog for absorbing any residual energy of movement of the rod remaining after engagement between the dog and the stop member, support means stationarily supporting the material to be tested in a position to be struck by said type letter upon a drop of the rod, and means supporting a control strip in contact with the material to be tested on the active side thereof and moving the said strip step by step, said strip moving means being coupled with said pick up means so as to move the strip by one step subsequent to each drop of the rod.

2,560,011
RAW FISH TREATING PROCESS
Marcel Trudel, Montreal, Quebec, Canada
No Drawing. Application July 18, 1950, Serial No. 174,571
11 Claims. (Cl. 99—2)

1. A process for the production of fish meal from raw fish material containing gelatin, comprising the steps of adding water to the fish material, adjusting the pH between 3.0 and 3.5 digesting the resultant mixture at a temperature between 50° and 80° C. filtering the solid residue.

2,560,012
UNIVERSAL STUD PULLER AND DRIVER
Ralph A. Valvano, Los Angeles, Calif.
Application November 1, 1946, Serial No. 707,273
2 Claims. (Cl. 81—53)

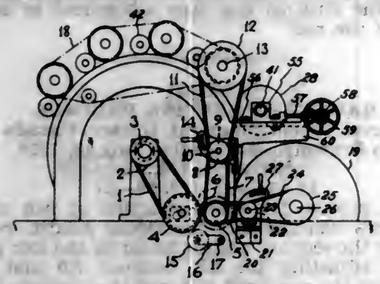


1. A tool for use as described, comprising a body having a bolt receiving opening extending therethrough, said opening being of greater cross sectional area than the bolt to be received therein, said body having screw threads formed partially around said opening for a limited extent of the length of said opening, said body having a transversely extending opening intersecting said bolt receiving opening in a region opposite to the part thereof provided with screw threads, and a wedge shaped locking element movably mounted in said transversely extending opening, said locking element having an arcuately recessed surface adapted for engagement with a bolt in said bolt receiving opening for preventing relative rotation of said body and said bolt.

2,560,013
CARDING ENGINE
Andor Varga, now by change of name André Varga, Ilkley, England, assignor to Carding Specialists (Canada) Limited, Toronto, Ontario, Canada, a Canadian company
Application August 13, 1945, Serial No. 610,599
In Great Britain August 18, 1944
9 Claims. (Cl. 19—100)

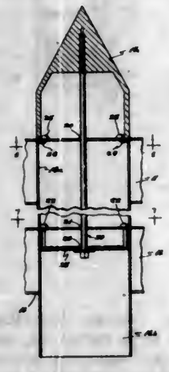
1. A carding engine for wool and similar fibers comprising swift, stripper, worker, doffer and fancy roller elements and driving means for said

elements arranged so that the speeds of the swift, worker and fancy roller elements relative to each



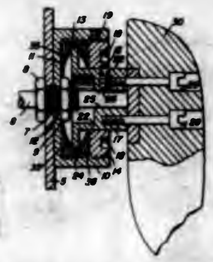
other are capable of infinite variation within limits while the engine is running.

2,560,014
PICKET FENCE
Gordon H. Wadsworth, Des Moines, Iowa
Application July 6, 1948, Serial No. 37,270
8 Claims. (Cl. 256—22)



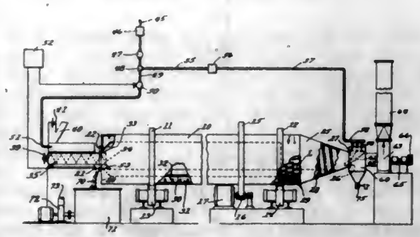
1. In a picket fence construction of the character described two vertically spaced rails, said rails comprising tubular members, channels along their bottom surfaces to receive picket members therein, a bottom tubular picket member, an intermediate tubular picket member, and a hollow cap picket member of like exterior size, all being of rectangular cross section and of a width to fit the channels of the rails, upwardly and downwardly extending projections at longitudinally spaced intervals in the top wall of the upper rail to position the cap picket member and the top of the intermediate picket member, upwardly extending projections at longitudinally spaced intervals in the top wall of the lower rail to position the lower ends of the intermediate picket members, a bolt retainer in the bottom picket member and a bolt extending through the retainer upwardly through the lower rail, the intermediate picket member and the upper rail, the cap picket member having a threaded recess and the bolt having a threaded end entering said recess to draw the bottom picket member upwardly into the lower rail and secure the other picket members against the top walls of the rails.

2,560,015
CONTROL OPERATING DEVICE
Walter J. Waldron, Pomona, Calif.
Application November 2, 1948, Serial No. 57,996
1 Claim. (Cl. 74—531)



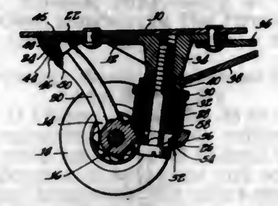
In combination with a control shaft having a load-carrying handle producing an unbalanced system, a frictional load counterbalancing means comprising a fixed housing about said shaft, a sleeve keyed to said shaft and secured to said handle, said sleeve extending into said housing and having an outwardly projecting flange at its inner end spaced from the inner walls of said housing, curved disk springs supported in said housing and bearing against both sides of said flange, and means for adjusting the tension on said springs to counterbalance the load on the handle, said means including a plug threadedly received in one wall of said housing and bearing against one of said disk springs.

2,560,016
METHOD OF AND MEANS FOR PRODUCING MILK OF LIME AND FOR CAUSTICIZING GREEN LIQUOR
Robert S. Walker, Allentown, Pa., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa., a corporation of Delaware
Application January 5, 1948, Serial No. 574
4 Claims. (Cl. 23—188)



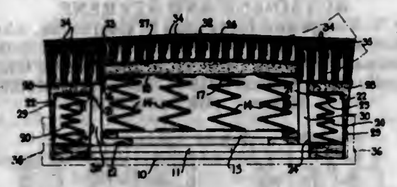
1. The method of slaking lime and producing milk of lime which comprises providing at a constant rate a supply of non-slaked lime, providing an overall supply of an aqueous slaking and diluting liquid at a constant predetermined rate, continuously delivering to the total of the supplied lime, a portion of the supplied liquid less than the total but more than enough to complete the slaking of the total of the supplied lime and immediately, preliminarily, continuously, rapidly, and thoroughly mixing said lime and said portion of liquid to associate with each particle of lime a coating of liquid, continuously discharging the mixture from the preliminary mixing, after initiation, but before substantial completion of the slaking reaction, continuously measuring the temperature of the mixture of lime and liquid as it is discharged from the preliminary mixing, maintaining said temperature substantially constant within the desired range by increasing said portion of liquid when said temperature rises and by decreasing the same when said temperature falls, gradually conveying and agitating the preliminarily mixed material for a sufficient time to complete the slaking reaction and to produce a viscous slaked lime slurry, and diluting the slaked lime slurry so produced by continuously delivering thereto the remainder of said overall supply of slaking liquid, said remainder being decreased and increased to compensate for increases and decreases in the delivery of said portion to said preliminary mixing operation and to make constant the overall supply of liquid to the process.

2,560,017
ROLLER SKATE
Walter Ware, Chicago, Ill., assignor to Chicago Roller Skate Company, Chicago, Ill., a corporation of Arizona
Application May 22, 1947, Serial No. 749,664
4 Claims. (Cl. 280—11.28)



1. In a roller skate wherein the skate body is connected to the wheel trucks by joints permitting limited relative movement of the body and trucks, each of said joints including a first member having a tapered opening and a second member received in said opening, inserts of hard sheet metal for said joints, each of said inserts having a flange portion adapted to seat on said first member, and a collar portion adapted to be seated in said opening and spread outwardly at its free end to hold the insert in place.

2,560,018
COMBINATION BOX SPRING AND MATTRESS
Lewis E. Warner, North Hollywood, Calif., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application March 12, 1947, Serial No. 734,057
5 Claims. (Cl. 5—351)



1. A combination box spring and mattress comprising a spring structure having a series of marginal spring elements, a group of central spring elements arranged in spaced relation to and being independent and separate from said marginal spring elements, and a mattress structure positioned upon said spring structure and attached thereto solely in the region of the central spring elements, the marginal portion of the mattress being free to enable the same to be lifted to give access to the space between the two groups of spring elements.

2,560,019
CONVERSION OF LIQUID TO SOLID TETRACHLOROBUTANE
Kenneth C. Eberly, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 22, 1947, Serial No. 787,505
3 Claims. (Cl. 260—658)

1. Process which comprises heating the liquid modification of 1,2,3,4-tetrachlorobutane at temperatures between 300° C. and 450° C., whereby to convert a portion of the liquid modification of 1,2,3,4-tetrachlorobutane to the solid modification, and separating the solid modification of 1,2,3,4-tetrachlorobutane from the resultant mixture.

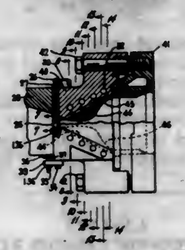
2,560,020
METHOD OF MAKING N-ARYL THIAZYLSULFENAMIDES
George E. P. Smith, Jr., and Edward L. Carr, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application November 21, 1947, Serial No. 787,480
4 Claims. (Cl. 260—306.6)

1. A method of preparing sulfenamides which comprises reacting an arylene thiazyl 2-sulfenamide having an unsubstituted amide group with an aryl amine having at least one replaceable hydrogen atom directly connected to the amino nitrogen atom.

2,560,021
N-ISOBUTENYL-2-BENZOTHIAZOLE SULFENAMIDE
George E. P. Smith, Jr., Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application June 21, 1949, Serial No. 100,549
1 Claim. (Cl. 260—306.6)

N-isobutenyl-2-benzothiazole sulfenamide.

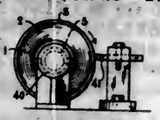
2,560,022
READILY ADJUSTABLE EXTRUSION DEVICE
Conrad G. Formaz, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application March 26, 1947, Serial No. 737,365
4 Claims. (Cl. 18—12)



1. An extrusion head for an extrusion machine, said head comprising a substantially tubular member having a chamber extending therethrough of circular cross section at one end for connecting to the remainder of an extrusion machine, said chamber being appreciably longer and narrower at the opposite end for shaping the material flowing therethrough, said chamber having a pair of diametrically opposed

longitudinally directed recesses extending substantially the length thereof, and a pair of baffle members removably positioned in and engaged with the recesses in said tubular member but extending into said chamber whereby any of a plurality of differently contoured baffle members can be positioned in said tubular member to vary the flow of material through said chamber.

2,560,023
METHOD OF MAKING PRECISION RESILIENT BUSHING
Clarence E. Workman, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application March 3, 1948, Serial No. 12,836
3 Claims. (Cl. 29—149.5)



1. The method of constructing a resilient bushing of the type comprising an outer, tubular metal sleeve and an inner, rubber-like component carried by a shaft and under compressive stress between the sleeve and shaft which comprises molding the said component into bonded relation with the shaft, centering the shaft, grinding the rubber-like component into concentricity with the shaft, compressing the rubber-like component and inserting it while so compressed into the sleeve in approximately final position, reciprocating the sleeve relatively to the shaft, again centering the shaft, and reducing the sleeve to concentricity with the shaft.

2,560,024
METHOD OF MAKING FRICTION MATERIAL
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application October 14, 1942, Serial No. 462,060. Divided and this application April 8, 1949, Serial No. 86,376
4 Claims. (Cl. 154—130)

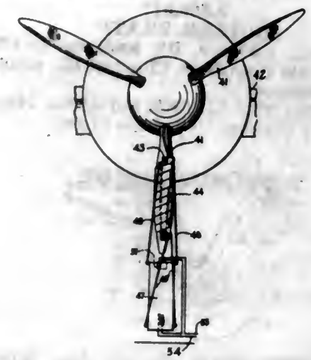


3. The method of making friction material comprising adhering one face of layer of a flexible, porous bearing material to an insulating layer of a vulcanizable resilient, elastic substance, vulcanizing the insulating layer to a metal backing member, and impregnating the exposed face of the bearing material with a liquefied lubricant.

2,560,025
CONVERSION OF LIQUID TO SOLID TETRACHLOROBUTANE
Kenneth C. Eberly, Akron, and Robert J. Reid, Canal Fulton, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 22, 1947, Serial No. 787,504
6 Claims. (Cl. 260—658)

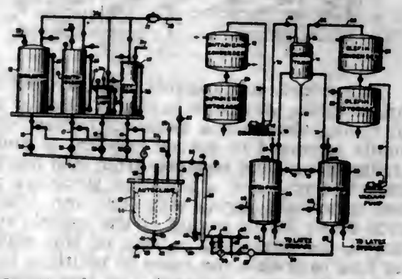
1. Process which comprises heating the liquid modification of 1,2,3,4-tetrachlorobutane at temperatures between 100° C. and 525° C., in the presence of a zinc chloride catalyst, whereby to convert a portion of the liquid modification of 1,2,3,4-tetrachlorobutane to the solid modification, and separating the solid modification of 1,2,3,4-tetrachlorobutane from the resultant mixture.

2,560,026
METHOD OF ATTACHING AIRPLANE PROPELLER DEICER SHOES
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application June 11, 1941, Serial No. 397,650. Divided and this application June 8, 1945, Serial No. 598,366
2 Claims. (Cl. 154—41)



2. That method of securing a deicer shoe to a propeller comprising the steps of molding and vulcanizing said shoe into a substantially inverted V shape in section, covering a portion of the leading edge of the propeller with a vulcanizable cement, applying vulcanizable cement to the attaching surface of said shoe, applying the shoe to said propeller with said cemented surfaces in contact, fastening an inflatable pressure boot to said propeller in such a manner that said boot completely overlies said shoe, inflating and heating said boot whereby said cement is vulcanized under pressure and said shoe is permanently attached to the propeller.

2,560,027
CONTINUOUS POLYMERIZATION OF BUTADIENE AND STYRENE
John N. Street and Raymond F. Dunbrook, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 8, 1947, Serial No. 767,504
2 Claims. (Cl. 260—83.7)



1. Continuous method of manufacturing synthetic rubber, which includes continuously introducing 75 parts 1,3-butadiene, 25 parts styrene, 180 parts water, emulsifying agent and polymerization catalyst into a single reactor, continuously agitating the ingredients within the reactor, thereby maintaining the ingredients within the reactor in substantially uniformly dispersed condition, maintaining the temperature at 132° F. within the reactor, adjusting the rate of introduction of ingredients into the reactor to a constant rate producing a polymerization conversion in the range of 60–70%, continuously withdrawing from the reactor dispersion containing polymerized butadiene and styrene, unpolymerized butadiene and unpolymerized styrene, separating the butadiene from the dispersion by evaporation, recovering the separated butadiene by condensation, separately removing the styrene from the dispersion by distillation, and separately condensing the distilled styrene.

2,560,028
NONDISCOLORING ANTIOXIDANTS FOR NATURAL RUBBER AND SYNTHETIC RUBBERS
Leland J. Kitchen and Joseph C. Ambelang, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application August 6, 1947, Serial No. 766,872
14 Claims. (Cl. 260—45.95)

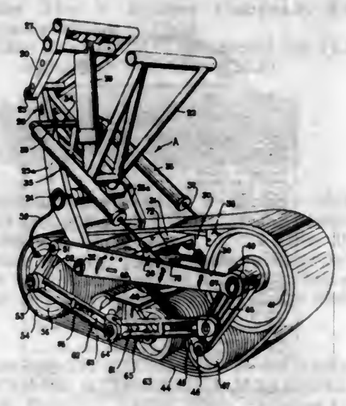
7. A composition containing rubber material from the group consisting of natural rubber and rubber copolymer of butadiene and acrylonitrile, said material being stabilized with a small amount of a 2-octyl-4-methylphenol.

2,560,029
BUTADIENE-STYRENE RUBBERY COPOLYMER STABILIZED WITH ANTIMONYL-4,6 DIMETHYL CATECHOLATE
Harry E. Albert and George E. P. Smith, Jr., Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application November 21, 1950, Serial No. 196,934. In Canada October 28, 1949
2 Claims. (Cl. 260—45.75)

1. Rubber-like copolymer of 1,3-butadiene and styrene stabilized with a small amount of antimonyl-4,6-dimethyl catecholate.

2,560,030
AIRPLANE LANDING GEAR
Raymond W. Allen, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application July 9, 1943, Serial No. 494,107, now Patent No. 2,459,737, dated January 18, 1949. Divided and this application December 22, 1948, Serial No. 66,715
13 Claims. (Cl. 305—10)

10. A track-laying landing gear for aircraft comprising a rigid frame, track rollers mounted for rotation on arms pivoted on axes spaced along said frame, journal means on said frame, intermediate said axes and adjacent one of said arms, for pivotal mounting of the gear-retracting mechanism of an aircraft, a track roller journaled on said frame for rotation about one of said axes, a toggle mechanism articulated to one of said arms co-axially with the roller mounted thereon and to the other of said arms intermediate the roller mounted thereon and its axis of pivoting, resilient means attached to the frame and to an intermediate part of said toggle linkage, said re-



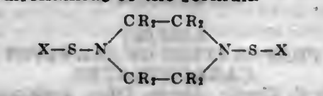
silient means comprising a spring, and a bogie pivoted on said toggle mechanism and carrying a pair of track rollers.

2,560,031
RUBBERY MIXTURE OF BUTADIENE-STYRENE COPOLYMER AND POLYBUTADIENE
Delbert C. Cline, Silver Lake Village, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application March 20, 1946, Serial No. 655,884
3 Claims. (Cl. 260—45.5)

2. A vulcanizate characterized by superior tensile strength, elongation, modulus and freeze resistance including ten to forty parts of rubbery polybutadiene prepared by homopolymerization of 1,3-butadiene in aqueous emulsion at 122° F. and ninety to sixty parts of a rubbery butadiene-styrene copolymer.

2,560,032
N,N'-PIPERAZINO BIS-SULFENAMIDES
George E. P. Smith, Jr., Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Original application April 9, 1945, Serial No. 587,439. Divided and this application November 2, 1949, Serial No. 125,153
4 Claims. (Cl. 260—268)

1. A sulfenamide of the formula

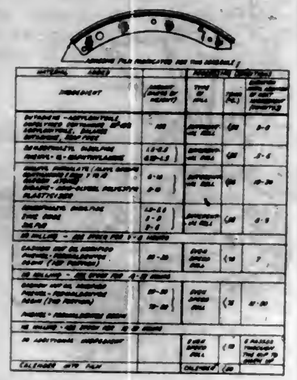


wherein R is selected from the group consisting of hydrogen and methyl radicals and X is selected from the group consisting of thiazyl, thiazolinyl and thiocarbamyl radicals.

2,560,033
FRICTION ELEMENT BONDING FILM
William J. Nanfeldt, New Castle, Ind., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 8, 1950, Serial No. 183,698
8 Claims. (Cl. 154—130)

5. Process of adhering a friction facing element to a steel backing which comprises assem-

bling the friction facing element upon the steel



backing, interposing therebetween a bonding film comprising by weight

	Parts
Butadiene-acrylonitrile copolymer (soap-free: containing from 30%–45% by weight acrylonitrile, balance butadiene)	100
Phenyl-α-naphthylamine	0.75–1.5
Benzothiazyl disulfide	1.5–2.5
Dialkyl phthalate (alkyl groups containing from 7 to 12 carbon atoms)	6–10
α,ω-dicarboxylic acid-glycol polyester plasticizer of molecular weight 1000–3000	5–10
Zinc oxide	3–8
Sulfur	2–6
Cashew-nut shell oil modified phenol-formaldehyde resin	40–60
Phenol-formaldehyde resin	70–90

said cashew nut oil modified phenol-formaldehyde resin and said phenol-formaldehyde resin being mechanically dispersed as discontinuous phases in a continuous phase comprising the butadiene-acrylonitrile copolymer, and said film having been prepared by the process of claim 1, and heating the assembly at from 350° to 450° F. to cause the film to flow into contact with the facing element and backing and to become cured thereto.

2,560,034

PREPARATION OF ALKYLTIN CARBOXYLATES

Kenneth C. Eberly, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application March 17, 1949, Serial No. 82,001

6 Claims. (Cl. 260—429)

1. The process of producing an alkyltin carboxylate containing two to eight carbons in each alkyl group and two to eighteen carbon atoms in each acid group, which comprises reacting in an inert organic solvent an alkyltin halide of said alkyl chain length with a carboxylate of the class consisting of alkali metal and alkaline earth metal carboxylates of said chain length, and separating from the solution the resulting metal halide.

2,560,035

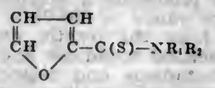
THIO-2-FURAMIDES

Glen Alliger, Boston Heights, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application December 30, 1948, Serial No. 68,429

8 Claims. (Cl. 260—345)

1. N-substituted thio-2-furamides having the formula



in which R_1 and R_2 are each from the class consisting of hydrogen, alkyl and cycloalkyl groups of not more than eighteen carbon atoms, allyl, alkyl-substituted allyl, crotonyl, furfuryl, tetrahydrofurfuryl, piperidyl and morpholyl, and both R_1 and R_2 are not hydrogen.

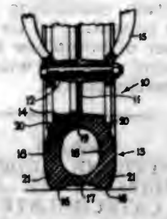
2,560,036

CASTOR WHEEL TIRE CONSTRUCTION

John A. Diehl, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 11, 1946, Serial No. 715,565

2 Claims. (Cl. 152—327)



1. In a tire for a castor wheel, a base, sidewalls and a tread portion, said tire having a centrally located endless airtight chamber of substantial cross-sectional area extending circumferentially thereof, said base being vulcanized to a tire rim upon which the tire is mounted, the combined thickness of said sidewalls being equal to approximately one-half of the greatest cross-sectional width of said tire, said sidewalls being radially disposed between said tread and base portion in a plane substantially at right angle to the axis of the tire, said tread portion comprising high shoulder ribs with one rib disposed at each edge of the tread in radial alignment with one of said sidewalls, said ribs defining a central groove therebetween of a width substantially equal to the total width of said ribs at their road-contact surface.

2,560,037

STABILIZATION OF RUBBERY COMPOSITIONS

Leland J. Kitchen, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application July 25, 1947, Serial No. 763,758

3 Claims. (Cl. 260—45.95)

1. A rubbery copolymer of butadiene and acrylonitrile stabilized with a relatively small amount of 2,6-di-tertiary-octyl-4-alkylphenol in which the alkyl group contains one to about five carbon atoms.

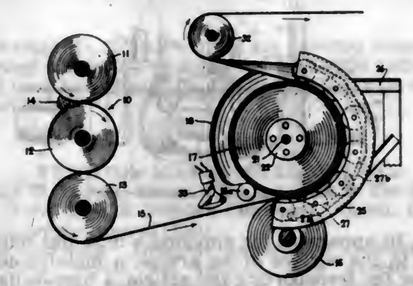
2,560,038

PROCESS AND APPARATUS FOR CONTINUOUSLY STRETCHING PLASTIC SHEETS

James E. Trainer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application June 26, 1947, Serial No. 757,246

9 Claims. (Cl. 18—1)



5. Apparatus for stretching a plastic sheet in a transverse direction comprising a pair of parallel rolls forming a roll bight between which the sheet material passes, a rubber sleeve covering one of said rolls and inflatable with relation thereto, means for introducing fluid under pressure into said sleeve and normally retaining it expanded from the roll which it covers, said sleeve being compressed to a position at least substantially against the roll which it covers by the other of said rolls, a plurality of rollers, a yoke journalling said rollers in a pair of spaced parallel arcs adapted to engage with a portion of the periphery of said covered roll adjacent the margins thereof to secure the edges of a plastic sheet thereto, said rollers being positioned so as to engage with the sheet at the first point of contact of the sheet with said covered roll and to constrain marginal portions of the sheet against contraction after passage through the roll bight, and means securing said yoke in a position to retain said rollers against said covered roll.

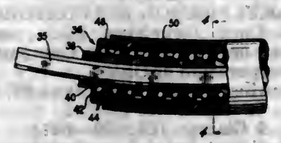
2,560,039

EXPANDER ROLL

Samuel L. Harlow, Jr., Memphis, Tenn., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 5, 1949, Serial No. 79,885

1 Claim. (Cl. 26—63)



In a device of the type described, the combination of a plurality of independently rotatable roller assemblies disposed on a shaft bowed slightly in the form of a shallow arc, each roller assembly comprising an inner member mounted on such shaft and an outer member mounted in bearing relation to said inner member and comprising a generally cylindrical metallic element and a rubber-like element peripherally bonded to said metallic element, and a resilient protective sleeve stretched over said roller assemblies and retained in contractile engagement with the rubber-like elements of said roller assemblies.

2,560,040

TIRE RETREADING AND REPAIR MATERIALS

Robert P. Whipple, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application January 21, 1949, Serial No. 71,861

4 Claims. (Cl. 117—138.8)



1. Camelback comprising a rubbery element essentially composed of a vulcanizable copolymer of 1,3-butadiene and styrene, and a thin film of vulcanizable natural rubber having incorporated therein a stable terpene oil, said film being deposited on and attached to a face of the element.

2,560,041

DISPERSIONS OF PIGMENTS IN SYNTHETIC LATICES OF RUBBERLIKE MATERIALS

Rexford E. Draman, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application December 6, 1945, Serial No. 633,260

1 Claim. (Cl. 260—17.5)

The process of compounding a synthetic latex of a rubber-like copolymer of butadiene-1,3 and styrene which comprises mixing therewith a water slurry of an alkaline lignin dispersion of carbon black, the lignin amounting to about 1 to 5 parts per 100 parts of said copolymer and then coagulating with aluminum sulfate to produce a coagulum with the carbon black embodied therein.

2,560,042

PREPARATION OF BUTYLTIN CHLORIDES

Kenneth C. Eberly, George E. P. Smith, Jr., and Harry E. Albert, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application June 8, 1949, Serial No. 97,916

7 Claims. (Cl. 260—429)

1. The process represented by the following equation:

$$a\text{Alkyl}_y\text{SnHalogen}_{4-y}+b\text{Alkyl}_z\text{SnHalogen}_{4-z}+c\text{Alkyl}_m\text{SnHalogen}_{4-m}\rightarrow(a+b+c)\,\text{Alkyl}_m\text{SnHalogen}_{4-m}$$

which comprises analyzing a mixture of two of the reactants containing at least fifty per cent by weight of $\text{Alkyl}_m\text{SnHalogen}_{4-m}$ so that the amount of alkyl and halogen present are known, and then adding and reacting therewith the third reactant as indicated in the equation and thereby obtaining substantially pure

$$\text{Alkyl}_m\text{SnHalogen}_{4-m}$$

when x and y are each 0 to 4, m is a whole number greater than 0 and less than 4, and a and b are each larger than zero but each is less than c.

2,560,043

METHOD OF REINFORCING RUBBERLIKE MATERIALS

Ernst Schmidt, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

No Drawing. Application June 26, 1947, Serial No. 757,340

5 Claims. (Cl. 260—41.5)

1. That method of reenforcing synthetic rubber comprising the steps of preparing an aqueous

solution of sodium silicate, mixing the sodium silicate solution with acid to form a mixture having a pH of from 7 to about 7.57 of monomeric silicic acid and a sodium salt with the monomeric acid condensing rapidly, immediately mixing an aqueous dispersion of a rubbery copolymer of butadiene and styrene with the above mixture which still contains low molecular weight polysilicic acid that is in the process of condensing, letting the resulting mixture gel and stand for several hours, breaking up the brittle, non-rubbery gelled mixture into particles of material, partially drying the particles of material and milling and compounding the material so obtained.

2,560,044
HALO-ALKYLPHENOL STABILIZERS FOR SYNTHETIC RUBBER
Harry E. Albert, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application May 10, 1950, Serial No. 161,270
10 Claims. (Cl. 260—45.95)

1. The method of stabilizing a rubbery copolymer of hydrocarbon conjugated-diene monomer and monovinyl aromatic monomer, which comprises adding a relatively small amount of a halo-alkylphenol to a latex of the copolymer and then drying the copolymer in the presence of the halo-alkylphenol, the halo-alkylphenol containing at least one alkyl substituent of four to eight carbon atoms, the total number of carbon atoms in the alkyl substituents being in the range of five to twenty, the halogen substituents not exceeding two and including one in a position, relative to the hydroxy radical, from the group consisting of ortho and para.

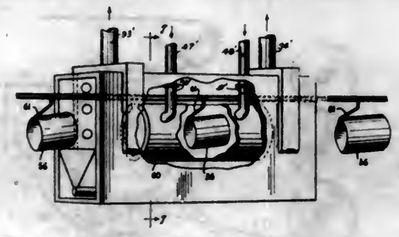
2,560,045
RUBBER VULCANIZATION
George E. P. Smith, Jr., Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application June 21, 1949, Serial No. 100,548
3 Claims. (Cl. 260—788)

1. The method of vulcanizing rubber which includes heating a rubber and sulfur in the presence of N-isobutenyl-2-benzothiazole sulfenamide.

2,560,046
PREPARATION OF THIOAMIDES
Glen Alliger, Boston Heights, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application December 30, 1948, Serial No. 68,430
7 Claims. (Cl. 260—345)

1. The method of preparing a thioamide which comprises condensing a salt of an acid which includes the group —C—CSSH with an N-haloamine of the formula RR'NHal, where Hal is of the group consisting of chlorine, bromine and iodine and R and R' are of the group consisting of hydrogen, the aliphatic radicals, and radicals in which R and R' form a ring, and R and R' are not both hydrogen.

2,560,047
APPARATUS FOR ELECTROSTATICALLY DEPOSITING GAS-SUSPENDED SOLIDS
Emerson W. York and Fay C. Smith, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 20, 1947, Serial No. 775,254
9 Claims. (Cl. 91—18)



1. In apparatus for applying a dust-like material to the surface of an article, a metallic conveyor for transporting the article, a high-voltage rectified current generating means, an electrode comprising a shell-type sheet-metal structure substantially housing said conveyor and including inner and outer walls, said inner walls being provided with apertures for the discharge of dust from the space intermediate said walls, a duct with one end portion in fluid but electrically insulated connection with said electrode, pumping means in fluid connection with the other end portion of the duct for propelling air-dust mixture through the duct and electrode, and means for electrically connecting said generating means across said conveyor and electrode.

2,560,048
RECLAIMING RUBBERS WITH REACTION PRODUCT OF POLYALKYLCYCLOHEXANOL AND SULFUR CHLORIDE
Wendell S. Cook, Houghton, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application June 29, 1949, Serial No. 102,152
4 Claims. (Cl. 260—2.3)

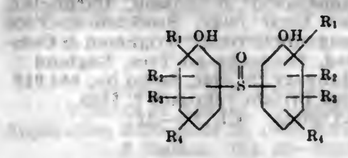
1. A process of reclaiming a vulcanized conjugated diene polymer composition which comprises heating the composition in the presence of the reaction product of 1 mol of sulfur chloride and 2 mols of a polyalkylcyclohexanol.

2,560,049
ALKYLPHENOL SULFOXIDES
Wendell S. Cook, Houghton, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application June 29, 1949, Serial No. 102,153
1 Claim. (Cl. 260—607)

Bis (4,6-di-tert-butyl-3-methylphenol) sulfoxide.

2,560,050
RECLAIMING RUBBER WITH PHENOL SULFOXIDES
Wendell S. Cook, Houghton, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application June 29, 1949, Serial No. 102,155
6 Claims. (Cl. 260—23)

1. A process of reclaiming a vulcanized conjugated diene polymer composition which comprises heating the composition in the presence of a bis phenol sulfoxide of the general formula



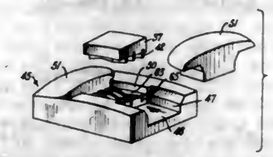
wherein R_1, R_2, R_3, and R_4 are selected from the group consisting of hydrogen and alkyl radicals, at least two of said R_1, R_2, R_3, and R_4 being alkyl radicals.

2,560,051
FRICTION MATERIAL LUBRICANT
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Original application October 14, 1942, Serial No. 462,060, now Patent No. 2,537,629, dated January 9, 1951. Divided and this application April 8, 1949, Serial No. 86,377
4 Claims. (Cl. 252—22)

4. A thixotropic lubricating composition substantially composed of the following ingredients, in parts by weight:

Castor oil	29 to 46
A waxy lubricant of the group consisting of hydrogenated castor oil, beeswax and lanolin	48 to 64
Aluminum soap of castor oil fatty acids	2 to 3

2,560,052
METHOD OF MAKING TIRE MOLDS
John L. Miller and John R. Boughter, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 16, 1948, Serial No. 65,576
6 Claims. (Cl. 18—55)

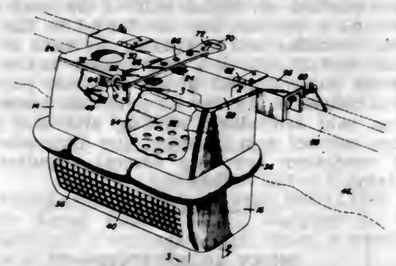


1. A method of forming staggered type groove-defining tread ribs on the surface of a negative mold member to be used for forming a positive pattern, comprising providing staggered grooves in said surface, providing spaced passages leading from said grooves through said member, providing a mold of deformable material with grooves identical with and adapted for registry with the grooves of said negative mold member, the grooves of said mold being of short length as compared with the grooves of said negative mold member, positioning said member on said mold with respective grooves thereof in registry, introducing through at least one of said spaced passages a fluid material to fill said registered grooves, said material being adapted to solidify therein in bonded engagement with the groove defining surfaces of said member, removing said member, together with said material in bonded relation, from said mold, re-registering said member with said mold with a portion of the ribs formed thereon disposed in said mold groove, and repeating the molding operation to extend the ribs formed on said member.

2,560,053
STABILIZATION OF POLYACRYLONITRILE SOLUTIONS
Myron Quentin Webb, Waynesboro, Va., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 16, 1950, Serial No. 144,590
15 Claims. (Cl. 260—32.6)

3. As a new composition of matter, a mixture comprising a sulfhydryl containing substance, a sulfoxy acid compound selected from the group consisting of sulfuric acid, organic sulfonic acids and hydrated salts of organic sulfonic acids, N,N-dimethylformamide and a polymer of acrylonitrile.

2,560,054
BOAT CREEL
Irus M. Wells, Redmond, Oreg.
Application January 21, 1949, Serial No. 71,788
8 Claims. (Cl. 43—55)



1. A boat creel comprising a base member, means for removably securing the base member to a portion of a boat, a container hinged to said base member for substantially vertical swinging movement, and means carried by said container and engageable with said base member retaining said container in a selected vertically inclined position, said last named means including an arm swingably mounted on said container and having a plurality of openings, said base member including a locking arm receivable in a selected one of said openings.

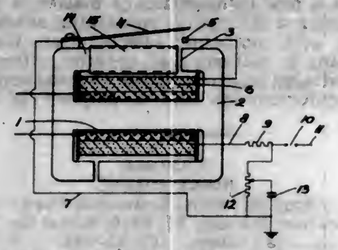
2,560,055
SMOOTH-GRIP FRICTION CLEANSER
Robert W. Westfall, Sunland, and Robert E. Lenihan, Los Angeles, Calif.
No Drawing. Application November 7, 1949, Serial No. 126,048
4 Claims. (Cl. 252—89)

1. A composition for use in reconditioning friction surfaces and the like consisting essentially of, by weight, from 40 to 60 parts hardwood ash, from 35 to 55 parts fuller's earth, and from 1 to 10 parts powdered rosin.

2,560,056
VOLTAGE PULSE GENERATOR FOR ELECTRIC FENCES
Johan Torsten Westin, Stockholm, Sweden, assignor to Aktiebolaget Häkanssons Industrier, Amal, Sweden, a corporation of Sweden
Application February 26, 1947, Serial No. 731,098
In Sweden March 2, 1946
6 Claims. (Cl. 175—373)

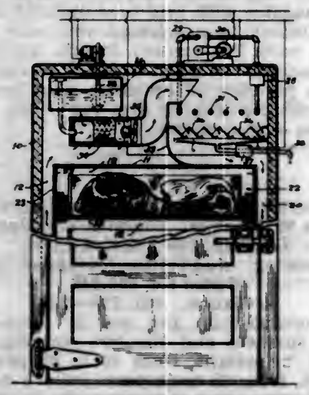
1. A voltage pulse generator for supplying voltage pulses, comprising a step-up transformer having a primary winding and a secondary wind-

ing, a permanently magnetized spring comprising a pendulum contact arm connected in the circuit of said secondary winding, said spring being mounted adjacent the transformer to be electromagnetically operated by means of the magnetic leakage flux of the transformer, said spring contact arm having a rest position and having a free amplitude of vibration extending under normal operating conditions to an ex-



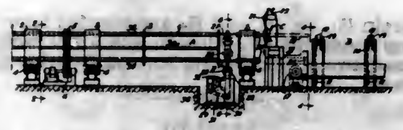
treme position on either side of the rest position, and a contact also connected to the secondary winding and located in the path of said spring contact arm at a point closer to the said extreme position than to the said rest position, and a condenser having its terminals connected across said secondary winding and said pendulum contact arm in series, the dimensions of said condenser requiring several impulses for charging it to full voltage.

2,560,057
MEAT AGING UNIT
Beverly E. Williams, Chicago, Ill., assignor, by mesne assignments, to Swift & Company, Chicago, Ill., a corporation of Illinois
Application September 26, 1947, Serial No. 776,272
4 Claims. (Cl. 62—103)



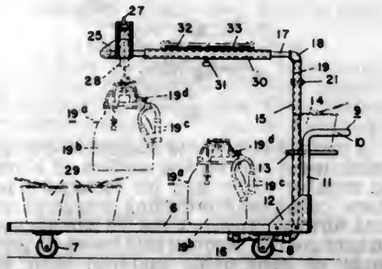
1. An air-conditioned and refrigerated means for perishable products comprising a cabinet adapted to enclose a given space, means for dividing the space within the cabinet into individual compartments; means within said cabinet to filter, to humidify to approximate saturation, and to refrigerate air; means to conduct the refrigerated air down one side of the cabinet, and return it up the other side of the cabinet; means to create a circulation of said air through said conducting means to produce an air stream across each of said compartments at a velocity of 40 to 60 feet per minute and return the air to said filtering, humidifying, and refrigerating means; and means to provide access to each of said individual compartments.

2,560,058
TUBE AND ROD PRODUCTION
Thomas Garmondsway Wrightson, Darlington, and Norman Cecil Lake, Stockton-on-Tees, England, assignors to Head, Wrightson & Company Limited, Thornaby-on-Tees, England
Application January 29, 1946, Serial No. 644,018
In Great Britain February 2, 1945
3 Claims. (Cl. 205—22)



1. In a machine for drawing tubes, a backbench for receiving tubes and moving them into position for drawing, comprising a rotatable unit including a plurality of work-receiving members fixed in the unit in substantially diametrically opposite positions, means for rotating said unit so as to move one of said members into a predetermined position for receiving stock to be drawn and simultaneously moving the opposite member into a predetermined position for feeding stock to be drawn, means for advancing blanks from respective work-receiving members, including a backbench pinch roll adjacent each member and rotatable with said unit, and a complementary pinch roll common to either said backbench pinch roll mounted adjacent the feeding position of said work-receiving members, for movement into and out of driving relation with respective backbench pinch rolls as they are brought into stock feeding position, to advance blanks to be drawn.

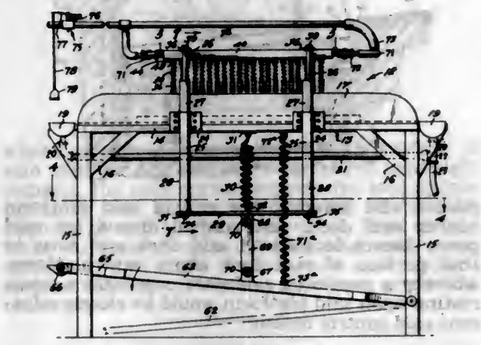
2,560,059
MILKING TRUCK
Carroll I. Young, Westminster, Md.
Application July 15, 1946, Serial No. 683,720
2 Claims. (Cl. 296—3)



1. A milking truck comprising, a horizontal platform devoid of any superstructure along opposite sides and one end thereof, wheels supporting said platform, a handle including two rigid spaced legs extending upwardly from the other end of the platform at the corners thereof and fixedly secured thereto, a shelf supported by said legs and projecting therefrom beyond the associated end of the platform, a post rigidly secured to the platform and arranged substantially equi-distant from said legs, said post being connected to the shelf, said post extending a substantial distance above the handle and said shelf, an elongated rigid arm extending from the post in a direction opposite to the shelf and overhanging the platform, said post constituting the sole support for said arm and maintaining the arm at a fixed height above the platform so

as to support spring scales and a record sheet holding device thereon whereby milk containers may be weighed while depending from said scales and entries may be made on the record sheets.

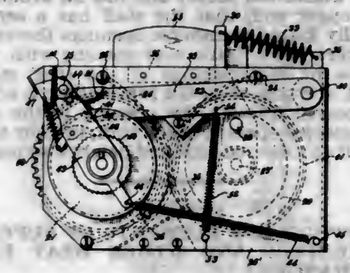
2,560,060
PICKLE PUMPING MACHINE
William M. Zwosta, Columbus, Ohio
Application September 30, 1949, Serial No. 118,833
9 Claims. (Cl. 99—256)



1. A machine for injecting a pickle solution into meat comprising a table having a top surface on which a piece of meat to be injected with a pickle solution is adapted to be supported, a spider disposed beneath said table top, spring means yieldably supporting said spider from the table top, vertical guide members at the sides of said table and supported thereby, rods extending reciprocally through said guide members and connected at their lower ends to said spider and supported thereby, bars connected to the upper ends of said rods and supported thereby above the table top, a tank fastened to said bars and supported therebeneath, a conduit connected to the ends of said tank for supplying a pickle solution to the tank, a plurality of injection needles connected to and depending from said tank toward the table top and each provided with a longitudinally extending bore having an end opening into the tank, said needles each being provided adjacent its opposite, lower end with a plurality of radially opening discharge ports communicating with the needle bore, and means connected to and disposed beneath said spider and pivotally mounted on the table and adapted to be manually actuated for displacing the spider downwardly against the action of its supporting spring means for moving said rods and the tank downwardly for displacing the needles toward the table top to cause the needles to penetrate the meat supported by the table top whereby the pickle solution can be injected into the meat through said discharge ports of the needles.

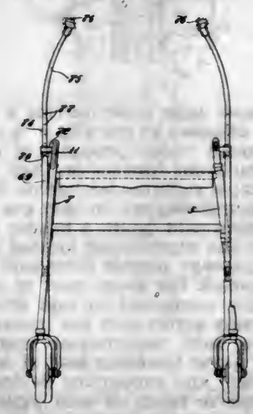
2,560,061
PAPER DISPENSER
Edward Agamaite, Jr., Green Bay, Wis., assignor to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application March 6, 1946, Serial No. 652,276
4 Claims. (Cl. 164—66)

1. A paper dispenser comprising, in combination: a pair of coacting feed rolls formed with smooth peripheries; coacting paper severing knives formed with serrated cutting edges, one of each spirally mounted on the respective rolls for intermeshing of the serrations as the rolls revolve; a stop pin projecting from an end of one of said rolls; a movable stop member mounted independently of either roll normally standing in the path of movement of said pin as the rolls revolve; a drive ratchet mounted on the axle of one of said rolls; a manually operable lever mounted on the axis of the ratchet carrying roll



and carrying a pawl coacting with said ratchet; means actuated by said lever to withdraw said movable stop from the path of said stop means in the initial movement of said manual lever; means to restore the movable stop to normal position after the passage there-beyond of the stop pin; and means to hold a supply of paper in strip form to feed to the bite of said rolls.

2,560,062
PORTABLE SUPPORT FOR INVALIDS
Butler Ames, Boston, Mass., assignor to The Walkabout Company, Lowell, Mass., a corporation of Massachusetts
Original application February 2, 1944, Serial No. 520,745. Divided and this application February 20, 1947, Serial No. 729,736
3 Claims. (Cl. 155—22)



3. A portable and foldable crutch support including a pair of rigid frames, each having a substantially horizontal hand supporting rail and a stretcher bar spaced below and substantially parallel to each respective hand supporting rail, said frames normally being substantially parallel and spaced apart sufficiently to permit a person to stand between them, characterized in that each frame has a vertically elongate, tubular socket mounted thereon, constructed and arranged to receive the lower portion of a crutch staff, that there is means pivotally connecting the lower end of each socket to one of the stretcher bars, respectively, that the upper end of each socket is disposed adjacent to the hand rail and

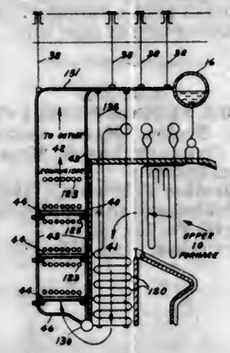
is provided with a radial flange, that the hand supporting rail has a rigid elongate loop member underlying the flange of the socket and embracing the socket, thereby permitting the upper end of the socket to swing outwardly from the rail to a limited extent, that a crutch staff is telescoped within the socket and has an armpit pad at its upper end, that the staff has a series of vertically spaced transverse openings therein and the socket has a transverse opening with which any one of the openings of the staff may be aligned, and that there is a removable pin adapted to be passed through the opening in the socket and a selected opening in the staff, thereby to hold the staff at a desired adjusted heightwise position.

2,560,063

SUPPORT FOR ELEMENTS OF SUPERHEATERS AND OTHER HEAT EXCHANGERS

Wilbur H. Armacost, Scarsdale, N. Y., assignor to Combustion Engineering-Superheater, Inc., New York, N. Y.

Application April 23, 1949, Serial No. 89,294
4 Claims. (Cl. 122—510)



1. In a water tube boiler having a steam and water drum disposed at one side of a vertical gas passage through which products of combustion flow from the boiler furnace on their way to the boiler offtake; a superheater having its heat absorbing elements disposed in said gas passage in a location below said drum; a header for supplying steam to the superheater located on the side of said gas passage remote from said drum in a position adjacent the lower part of said superheater; piping connected to said drum extending transversely across said gas passage in a position above said superheater elements and downwardly along the outer wall of said passage to said header; and supporting devices attached to the transverse reach of said piping and depending therefrom for connection to said superheater elements to support the latter.

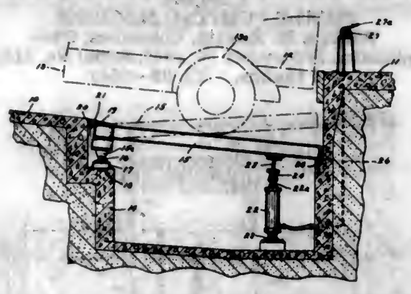
2,560,064

ADJUSTABLE LOADING DOCK

Perry D. Astry, Shaker Heights, Ohio

Application June 17, 1946, Serial No. 677,309
2 Claims. (Cl. 214—38)

2. In the combination of a roadway for road vehicles and a dock a fixed distance above said roadway, said dock having an edge to which road vehicles move for unloading, an open top pit extending beneath said roadway level and adjacent said dock, a platform substantially closing the open top of said pit, the end of said platform farther from said dock being substantially at roadway level, hinge means supporting said end of said platform, said hinge means providing a pivotal axis for said platform generally parallel to the edge of said dock, power means in said pit operatively connected with said platform for



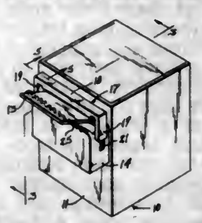
raising and lowering the end of said platform nearer said dock, and control means for said power means located on said dock and close to that portion of said dock above said platform, whereby a person on said dock unloading a truck resting upon said platform would be closely adjacent said control means.

2,560,065

SEALING MACHINE ATTACHMENT FOR GUMMED TAPE DISPENSERS

Abraham Avrick, New York, N. Y.

Substituted for abandoned application Serial No. 520,364, January 29, 1944. This application January 21, 1950, Serial No. 139,933
4 Claims. (Cl. 91—14.5)



1. In combination with a gummed tape dispenser having a wall with a slot through which the gummed tape passes, an open top vessel for water, means for attaching said vessel at its back side upon said gummed tape dispenser at a point beneath said slot, and a depressible tape guiding frame vertically slidably mounted on said vessel for dipping said gummed tape into said vessel, said attaching means comprising headed studs on said vessel engageable with bayonet openings formed on said wall.

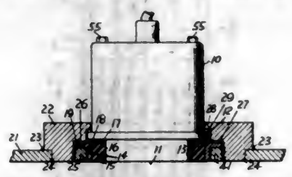
2,560,066

HYDROPHONE MOUNTING

Laurence Batchelder, Cambridge, Mass., assignor to Raytheon Manufacturing Company, a corporation of Delaware

Application November 27, 1948, Serial No. 62,327
6 Claims. (Cl. 177—386)

1. In combination, a hydrophone having a pressure wave sensitive diaphragm at the front and a substantially rigid cylinder supporting said diaphragm across an end thereof, a resilient perimetric cylindrical element fastened at its inner cylindrical surface to the outer side surface of said cylinder, and a substantially rigid perimetric cylindrical element secured about and bonded to said resilient element, said cylinder being otherwise telescopically fitted loosely within said rigid element, said resilient element being of a material which strongly attenuates shear waves, the dimensions of said cylinder, said resilient element and said rigid element being chosen so that said resilient element is not any-



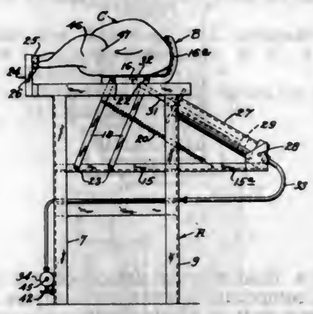
where compressed between the outer surface of said cylinder and the inner surface of said rigid element, the only normal support for said hydrophone in said rigid element being afforded by bonding of said resilient element to each of said outer surface of said cylinder and said inner surface of said rigid element, and said resilient element having no support members projecting thereinto.

2,560,067

DEVICE FOR FOLDING THE LEGS OF AN EVISCERATED BIRD

Leland J. Bell, North Sacramento, Calif.

Application June 25, 1949, Serial No. 101,362
10 Claims. (Cl. 17—11)



1. An apparatus for handling an eviscerated bird having rearwardly outstretched legs comprising, a carrier to support the carcass of said eviscerated bird, leg receiving means to receive the ends of the bird's rearwardly stretched legs which have been truncated adjacent the hock joints thereof, said carrier and leg receiving means supported for relative movement toward and away from one another, and driving means associated with at least one of the said foregoing named elements to cause forcible relative movement between said carrier and leg receiving means toward one another whereby the legs of the bird are moved toward the carcass and are bent at their stifle and thigh joints and folded to a hunched position against the carcass of the bird.

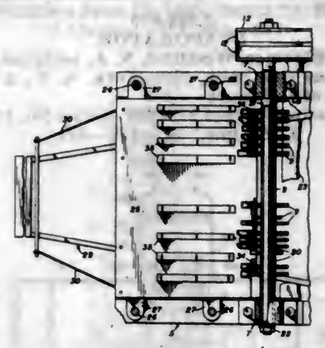
2,560,068

TENONING MACHINE

John R. Beeson, Shepherd, Tex.

Application August 18, 1948, Serial No. 44,844
3 Claims. (Cl. 144—204)

1. In a tenoning machine, a horizontal driven shaft, a plurality of rotary cutter heads carried by said shaft, a vertically reciprocable work-piece supporting table disposed in front of said shaft and adapted to be raised to present an end of a work-piece to the cutter heads, said table having a top provided with slots in its rear edge to receive the cutter heads when the table is



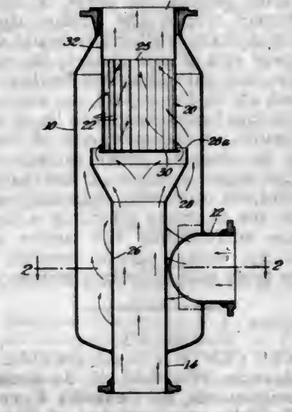
raised, work-piece stops on the portions of the table top between the slots thereof, work-piece guides on the table top forwardly of the slots thereof to position the work-piece laterally with respect to the cutter heads, and means to raise said table.

2,560,069

MIXER

Ward J. Bloomer, Westfield, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

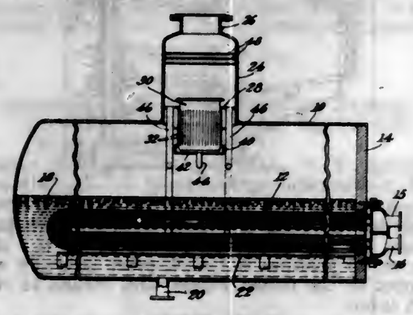
Application February 21, 1946, Serial No. 649,203
3 Claims. (Cl. 48—180)



1. A mixer for diluting a first fluid stream with a second fluid stream, which comprises a generally cylindrical casing having an opening at one end; a cylindrical tuyère enclosed by said casing in spaced relation and having an open outer end closely fitting into said casing opening, the inner end of said tuyère being substantially closed, and the lateral wall of said tuyère being formed as a cage of spaced, similarly inclined blades extending longitudinally from said closed inner end and defining inwardly convergent fluid paths, said casing being formed with a first fluid inlet opening positioned inwardly of the inner closed end of said tuyère; and a tubular conduit extending into the other end portion of said casing, said tubular conduit having a circular inner end terminating closely adjacent to and forming with the closed inner end of said tuyère annular opening

means extending in close proximity to the adjacent inner ends of said blades to supply a second fluid thereto.

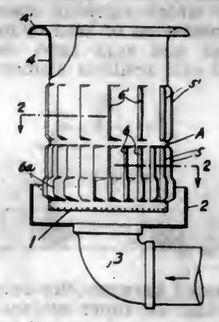
2,560,070
EVAPORATOR
Ward J. Bloomer, Westfield, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application August 27, 1948, Serial No. 46,533
11 Claims. (Cl. 122—491)



7. A steam purifier for a steam generator comprising a steam discharge chamber having an imperforate lower wall, an annular vertical tuyère closed at the lower end thereof and fully open at the upper end extending through said wall and substantially above and below it, the portion of said tuyère above the wall being imperforate and the portion below the wall having therearound a series of longitudinal slots tangential in cross section for entry of steam and whirling thereof within the tuyère, the tuyère being of substantially uniform internal diameter from the lower end of said slots to the open end of the tuyère and said chamber having a steam outlet spaced above the tuyère, an annular outwardly extending liquid discharge lip of substantial radial width at the open end of the tuyère and having an annular upper surface continuous with the inner surface of the tuyère and curving therefrom upwardly, outwardly and then downwardly, the chamber affording a liquid collecting space surrounding the tuyère and beneath said lip, and a drain conduit leading downwardly from said collecting space.

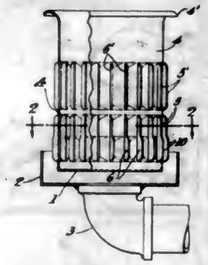
2,560,071
FIXED CENTRIFUGAL DEVICE
Ward J. Bloomer, Westfield, N. J., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 12, 1948, Serial No. 59,718
5 Claims. (Cl. 261—79)

1. In combination with a closed chamber, a fixed centrifugal device comprising a cylindrical tuyère, a closure for one end of said tuyère, the other end being open, and a series of tangentially extending blades disposed circumferentially of said tuyère and forming between them a series of passages extending from adjacent said end closure for the entry of a vapor into said tuyère, a liquid reservoir having a side wall surrounding the closed end portion of said tuyère, means for feeding a liquid to said reservoir, and means for supplying a vapor to said tuyère through said passages and over the liquid in said reservoir to entrain the liquid therein, and form a vortical column of vapor and liquid discharging from the open end of the tuyère, said passages being proportioned to afford entry of vapor to said tuyère in differential amount in the areas re-



spectively adjacent to said end closure and remote therefrom, the aggregate areas on one side of a central transverse plane of the tuyère being substantially greater than the other.

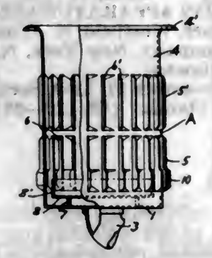
2,560,072
APPARATUS FOR FRACTIONATION
Ward J. Bloomer, Westfield, N. J., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 12, 1948, Serial No. 59,719
13 Claims. (Cl. 183—21)



1. In a fluid mixing device of the class described, comprising a cylindrical tuyère having a closed end wall and being fully open at the opposite end, the side wall having a plurality of inwardly directed blades forming inwardly convergent gas paths, an integral outwardly extending curved lip continuing from said tuyère side wall, a casing surrounding said tuyère and means to direct a gas current into said casing and through said gas paths between said blades to form a gas vortex in said tuyère, said vortex discharging out of said tuyère opening and across said lip whereby said lip serves to carry off any entrained matter heavier than the gas.

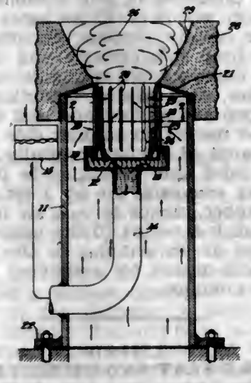
2,560,073
FIXED CENTRIFUGAL DEVICE
Ward J. Bloomer, Westfield, N. J., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 12, 1948, Serial No. 59,720
7 Claims. (Cl. 183—21)

1. In a fluid mixing device of the class described, comprising a cylindrical tuyère having a closed end wall and a sidewall having a plurality of tangentially disposed blades extending circumferentially of said tuyère and forming a series of inwardly convergent gas paths, means to pass a gas under pressure through said gas paths to establish a vortical gas column within said tuyère, means for forming an anular space within the interior of the tuyère and adjacent the ends of the blades, means for feeding a liquid to said space, said space forming means providing a liquid communication with the remainder



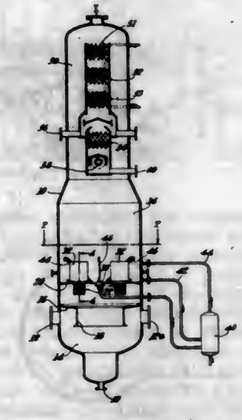
of the tuyère whereby the liquid will be entrained by the vortical gas column, said tuyère sidewall continuing into an integral outwardly extending lip which has a minimum diameter at least as great as the tuyère, the continuing portion of the tuyère sidewall being imperforate to aid coalescence of the liquid.

2,560,074
METHOD AND APPARATUS FOR BURNING FUEL
Ward J. Bloomer, Westfield, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application December 21, 1948, Serial No. 66,445
24 Claims. (Cl. 110—28)



1. In a fuel burner, a hollow tuyère having a closed end wall, and a side-wall provided with a plurality of blades forming inwardly convergent air paths, the end of the tuyère opposite the closed end being open, a fuel container having a sidewall surrounding a portion of said tuyère side wall, means for continuously feeding fuel to said fuel container and means for supplying an air current adjacent the surface of the fuel in said container and through said air paths between said blades for entraining fuel and mixing it with the air of said current, and discharging the mixture through the open end of the tuyère.

2,560,075
EVAPORATOR
Ward J. Bloomer, Westfield, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application June 14, 1949, Serial No. 98,975
8 Claims. (Cl. 183—80)

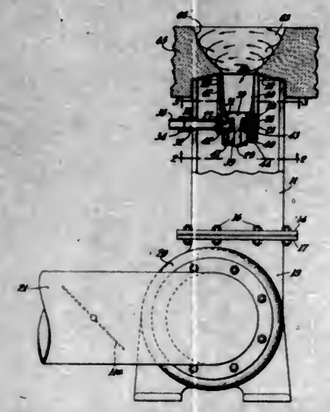


1. A flash chamber having a transverse, substantially horizontal deck therein; a plurality of entrainment separators mounted in and dependent from the deck, said entrainment separators each comprising a cylindrical tuyère having a closed lower end wall and being wholly open at the opposite end, the side wall being formed with a plurality of narrow inwardly directed blades arranged to define slot-like tangential vapor passages, all of which passages face in the same rotational direction, and said tuyères each having coextensive with its open end a flared downwardly curved peripheral lip; means to introduce a vapor through said vapor passages between the blades and out said open ends to form a vapor vortex in each of said tuyères; said lip extending at least out of the vapor vortex path whereby coalesced liquid will be carried over the lip, and means to collect heavier-than-vapor particles discharged from said lips.

2,560,076
METHOD AND APPARATUS FOR BURNING FUEL
Ward J. Bloomer, Westfield, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application June 14, 1949, Serial No. 98,976
5 Claims. (Cl. 110—28)

3. In a fluid fuel burner, a tuyère for mixing air and fuel and for discharging the combustible fuel-air mixture into an adjacent combustion chamber said tuyère having its side wall formed by a plurality of fixed, annularly-spaced blades projecting from the wall throughout substantially the entire length of the tuyère and forming inwardly directed converging air inlets therebetween, said tuyère being open at one end and being closed on the other end, a fuel feeding inlet orifice extending through the closed end of the tuyère, means for supplying fuel through said fuel feeding inlet orifice into the closed end of said tuyère adjacent the inner edges of at least some of the said air inlets, an enclosure surrounding said tuyère and fixedly secured to the open end, air supply means in communication with said enclosure whereby air under pressure will pass

through said inwardly directed air inlets to form an outwardly moving vortical column of air within the tuyère and adjacent the wall thereof, said column entraining fuel discharged into the tuyère to form a combustible air-fuel mixture, said column inducing an inwardly directed flow of gas from the combustion chamber into the central part of the column, and an elongated



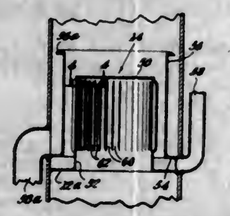
combustion chamber comprising a chamber of revolution having a minimum diameter at least as great as the tuyère outlet and a maximum diameter approximately equal to its length and not more than three times the diameter of the tuyère outlet whereby vortical mixing in the tuyère is continued as vortical burning in the combustion chamber, said combustion chamber registering with the outlet of said tuyère.

2,560,077

APPARATUS FOR CONTACTING GASES AND LIQUIDS TO EFFECT CONCENTRATION, FRACTIONATION, AND THE LIKE

Ward J. Bloomer, Westfield, N. J., and Bruce R. Wright, Lakewood, Ohio, assignors, by direct and mesne assignments, to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio

Application January 12, 1950, Serial No. 138,128
6 Claims. (Cl. 183—21)



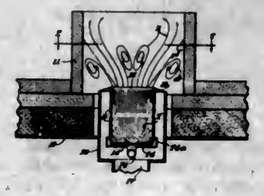
4. In a fluid mixing device, the combination comprising a cylindrical tuyère having a solid top wall, a side wall provided with a plurality of blades forming inwardly convergent gas paths the bottom of the tuyère being open, a fluid container having a side wall surrounding the lower portion of said tuyère side wall, means for continuously feeding a fluid to said container, and means for supplying a gas current upwardly over the surface of the fluid in said container and through said gas paths between said blades for entraining said fluid and mixing it with the gas of said current, said fluid container being cylindrical and having an uninterrupted inner surface and being surmounted by a continuous outwardly curved lip portion, said fluid container causing coalescence of liquid particles which are drawn off from the lip portion separate from the gas.

2,560,078

COMBUSTION APPARATUS AND METHOD

Ward J. Bloomer, Westfield, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application December 21, 1950, Serial No. 202,015
9 Claims. (Cl. 110—28)



1. The combination comprising a combustion chamber having a rear wall and a closed side wall and open at the front end, the side wall having the shape of a surface of revolution, the axial length of said side wall being from 0.8 to 1.5 times the inside diameter of the side wall near the front end of the chamber, and said rear wall having a circular opening therein which has a diameter of from 0.25 to 0.67 times the diameter of the chamber adjacent its rear end, and means for introducing air forwardly through said opening in the form of a rotating annulus spaced from the side wall of the chamber, whereby a flame produced in said combustion chamber will form whirls of flame gases within the annulus for rapidly heating the rotating annulus issuing from said opening and thereby stabilizing the flame against extinguishment at high rates of flow, said means including a mixing chamber open at its front end and closed at its rear end and having an annular side wall formed with a plurality of circumferentially spaced tangential air inlet slots extending to the rear end and a casing enclosing the air inlet slots of the mixing chamber, means to pass air into the casing to establish a vortex in the mixing chamber which passes as an annulus to the combustion chamber, and means for supplying fuel to the rotating air annulus.

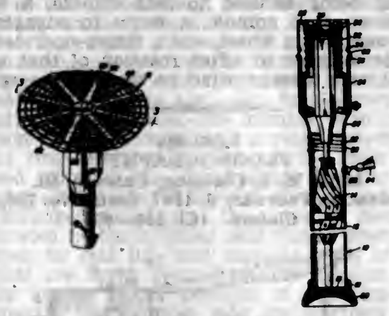
2,560,079

FOLDABLE SEAT AND UMBRELLA CASE

Paul Blum, Brooklyn, N. Y.

Application May 1, 1950, Serial No. 159,258
8 Claims. (Cl. 155—135)

1. A combination collapsible seat and umbrella holder comprising a hollow casing having a support base and an open upper end, means receivable in said open upper end adapted to be positioned to provide a seat when in a second position, means for supporting said first mentioned means when in said second position, said first mentioned means comprising a plurality of flat straps hingedly connected to a multi-sided ring reciprocable in said casing, means for moving said ring to an upper position whereby said straps are free to pivot to a horizontal position, and said second named means engageable with the outer portions of said straps to provide supports therefor.



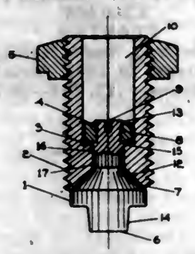
4. A combination collapsible seat and umbrella holder comprising a hollow casing having a support base and an open upper end, annular means receivable in said open upper end adapted to be positioned to provide a seat having a central opening when in a second position, means for supporting said first mentioned means when in said second position, and said hollow casing and annular means providing an umbrella receiving case whereby an umbrella can be inserted through said open end and annular means for positioning in said case.

2,560,080

SET SCREW WITH KEY EXTENSION

Nelson A. Bottome, Bridgeport, Conn.

Application December 21, 1945, Serial No. 636,372
6 Claims. (Cl. 85—1)



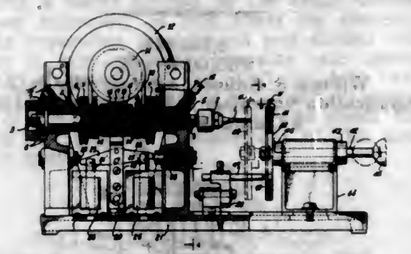
4. A fastening device of the character described comprising a hollow socket type screw member for insertion in a threaded hole in the hub of a pulley wheel or the like, the socket being noncircular to receive a similarly shaped tool and provided with a shoulder at its inner end, said screw being provided with a tapered socket in its inner end and a passage from said tapered socket surrounded by the shoulder, a binding member including a similarly tapered body portion seated in the tapered socket and provided with a flattened tapered key extension at its inner end to seat in a keyway in a shaft on which the hub is mounted, said binding member also including an extension at its other end mounted in the passage and provided with a reduced end portion in the first socket, a retaining collar on said reduced portion above the shoulder provided with one or more notches in its outer end, the end of the reduced portion being swaged over the collar and into the notches to retain the collar on the extension, and said extension and collar being provided with a transverse slot to receive a screw driver bit for turning the binding member in the socket screw.

2,560,081

TAPPING MACHINE

Victor Brook, Rochester, N. Y.

Application August 25, 1948, Serial No. 46,070
1 Claim. (Cl. 10—136)



In a tapping machine, the combination of a tap spindle mounted for rotational motion, thrust bearings holding said spindle against axial motion, a driving motor, a pair of pulleys rotatably mounted on said spindle, belt driving means from the motor to the pulleys rotating the pulleys in opposite directions, a pair of friction clutches driven by said pulleys in opposite directions of rotation, a collar for shifting said clutches axially on the spindle, an arm attached to said collar, a pair of solenoids operating said arm so as to alternately engage said clutches to drive the spindle in either direction and promptly reverse the same, a work holding turret having sockets in which the pieces of work may be inserted to be tapped, an indexing device for aligning the work with the tap spindle, a shaft on which the turret is mounted for axial and rotational movement, the axial movement carrying the work on and off the tap and the rotational movement feeding the work thru the machine, a handle attached to the axially and rotationally movable turret by which the operator may feel the axial tapping action and rotate the turret between taps, and a pair of switches operated by the axial motion of the handle to energize one of said solenoids when the work is going on the tap and to energize the other of said solenoids when the work is going off the tap, whereby the pieces of work may be tapped in rapid succession.

2,560,082

METHOD AND APPARATUS FOR DISPERSING PIGMENTS

Robert J. Brown, Racine, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis.

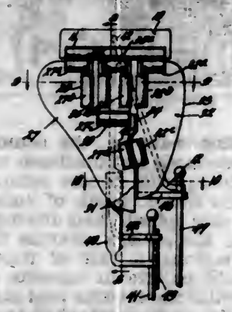
Application December 4, 1946, Serial No. 714,003
3 Claims. (Cl. 259—4)



1. A method of dispersing pigment in the manufacture of paints comprising introducing a charge of vehicle and pigment into an impact zone, exerting a sudden horizontal pressure upon said charge, while restraining additional material from entering said zone, and forcing said charge through an initial dispersing media, allowing successive charges to enter said zone, repeating upon each successive charge the sudden pressure ex-

erted upon the first-mentioned charge, forcing each successive charge through said initial dispersing media thereby displacing the preceding charge and causing said preceding charge to move through additional dispersing media.

2,560,083
SAXOPHONE
William S. Bullock, Atlantic City, N. J.
Application November 5, 1949, Serial No. 125,714
8 Claims. (Cl. 84—385)



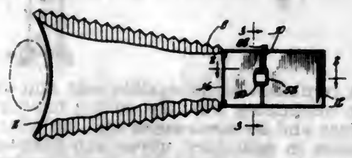
1. A saxophone including four adjacent finger plate keys mounted thereon, for the G sharp, B flat, B natural and C sharp respectively; the G sharp key normally positioned in a vertical plane above and in advance of the other three keys all relative to the longitudinal axis of the branch of the saxophone the said saxophone having tone holes therein, covers for the tone holes, and means connected with the respective keys and said tone hole covers for actuating the tone hole covers when said keys are operated.

2,560,084
CARRIER FOR BRAIDING AND LIKE MACHINES
Ben Carter and Eric Carter, Bolton, England
Application May 5, 1948, Serial No. 25,275
In Great Britain May 23, 1947
4 Claims. (Cl. 87—21)



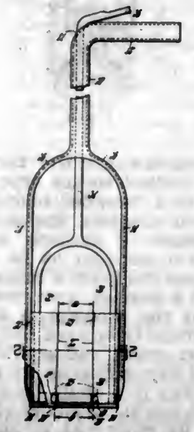
1. A carrier for a braiding machine comprising a base portion shaped to slide in and be driven by the usual horngear of the machine, an upstanding rotatable cop holder on such base part, shaped to receive, support and impart rotation to a cop, fixed guides for the material leaving the cop, a pivoted guide for such material, a coiled spring having one end bearing on the pivoted guide to move it in a direction opposite to the direction of pull of the material, a spindle mounted in the said base part, the opposite end of said spring being secured to said spindle, a worm wheel on such spindle, a worm in engagement with said worm wheel, and a finger-operated rotatible member to effect rotation of that worm wheel and thereby wind or unwind the spring.

2,560,085
FLUOROGRAPHY
Leroy M. E. Clausing, Chicago, Ill.
Application February 6, 1947, Serial No. 726,874
8 Claims. (Cl. 250—65)



1. Means for taking X-ray pictures comprising a fluorescent screen, a mirror-correcting plate lens system, film support means, said film support means and said system being so positioned relative to each other and to said screen that the fluorescent image on said screen is reproduced on a film in an area which is positioned against said support means, said film support means having a cylindrical surface and said fluorescent screen having an image surface cylindrical about an axis of revolution perpendicular to the axis of revolution of the film supporting surface.

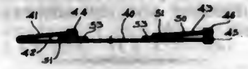
2,560,086
PLANTER
Alexander L. Clement, South Hadley Falls, Mass.
Application August 10, 1949, Serial No. 109,460
2 Claims. (Cl. 294—50.7)



1. A transplanting tool comprising in combination, a sheet of relative thin metal formed into the shape of a vertical hollow cylinder having adjacent vertical longitudinal free edges spaced apart and providing a vertical slot in the forward side thereof extending from lower to upper end of said cylinder, a hollow vertical shank above said cylinder having diverging lower portions secured to said cylinder at opposite sides thereof and an upper grip portion extending horizontally therefrom, an angular ring-like member slidable up and down in said cylinder provided with a slot

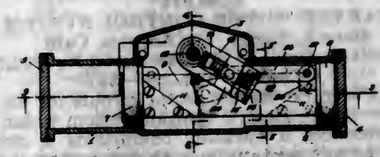
in a side thereof on alignment with the slot of the cylinder and lip portions at opposite sides of said slot for slidably engaging the longitudinal edges of the cylinder, and a member slidable up and down in said shank having lower portions secured to opposite sides of said ring-like member and an upper extremity disposed above the upper extremity of said shank, said last named extremity adapted to alert said first-named extremity when said ring-like member is in lower position in the cylinder and prevent movement of the ring-like member through the lower end of said cylinder, the longitudinal sides of the cylinder at the sides of the slot thereof and said lips arranged whereby as the ring-like member is elevated in the cylinder said slot is gradually widened by said lips and opposite walls of the cylinder are urged away from one another and finally at the upper position of the ring-like member in the cylinder said slot narrows and opposite walls of the cylinder move towards one another.

2,560,087
ADJUSTABLE BOOK COVER
Abraham Cohn, Brooklyn, N. Y.
Application May 17, 1948, Serial No. 27,491
2 Claims. (Cl. 281—34)



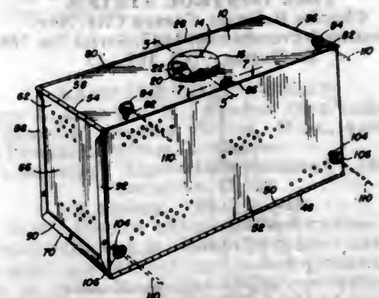
1. In a book cover having a large flexible sheet of material for extension along the outer covers of a book with narrow elongated sheets of material extended along the inner face of the large flexible sheet at the ends thereof and secured at their ends to the large sheet of material forming pockets having openings directed toward one another to receive the free edge portions of the covers of the book, means at the openings of the pockets for gripping the top and bottom edges of the covers of the book, comprising elastic straps within the pockets extended parallel to the openings and having their ends secured in position by the same means which secures the ends of the narrow sheets of material to the large sheet of material, said elastic straps having their inner edges flush with the inner edges of the narrow sheets, and means on said elastic straps so that a grip can be had thereon for lifting said elastic straps away from the adjacent face of said large sheet of material so that the covers of the book can be inserted into said pockets between the adjacent faces of said elastic straps and said large sheet of material.

2,560,088
ADJUSTABLE SWEEP ANGLE WINDSHIELD WIPER
Roscoe D. Conklin, Little Falls, N. J., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass., a corporation of Delaware
Application June 22, 1945, Serial No. 601,036
3 Claims. (Cl. 74—600)



1. In combination, a member, means for reciprocating the member, a shaft having a diametrically slotted end portion, and means for transferring the reciprocatory movement of the member into oscillatory movement of the shaft, the transferring means including means for effecting variation in the amplitude of the oscillatory movement, the variation effecting means including a sleeve carried by the shaft, means mounted internally of said shaft for exerting radially expanding pressure on said slotted end portion of said shaft and causing said sleeve normally to move with the shaft, an arm carried by the shaft, and means controlled by movement of the sleeve relatively to the shaft for varying the angular displacement of the arm and the shaft.

2,560,089
COLLAPSIBLE RECEPTACLE
Henry P. Cottingham, Indianapolis, Ind.
Application February 13, 1948, Serial No. 8,080
4 Claims. (Cl. 220—7)

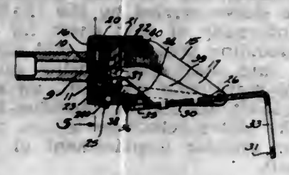


1. A collapsible storage receptacle comprising a substantially rectangular upper wall having an opening therein, closure means carried by the upper wall for closing the opening, means for normally holding the closure in a closed position, a substantially rectangular side wall hinged at one longitudinal edge to one longitudinal edge of said upper wall, a substantially rectangular lower wall having one longitudinal edge hinged to the remaining longitudinal edge of the side wall, a further substantially rectangular side wall hinged at one longitudinal edge to the remaining longitudinal edge of the lower wall, a fastener pivoted to the free longitudinal edge of the further side wall for securing the same relative to the free longitudinal edge of the upper wall, a pair of end walls hinged to the transverse edges of the upper wall of the receptacle, and further fasteners pivoted to the end walls for attaching the end walls in position to the walls of the receptacle, said lower wall and said side walls having openings receiving said fasteners, and nuts receivably engaging all of said fasteners.

2,560,090
SNAP ACTION VALVE MECHANISM
Frank D. Crow, Thiensville, Wis.
Application November 13, 1946, Serial No. 709,448
13 Claims. (Cl. 74—97)

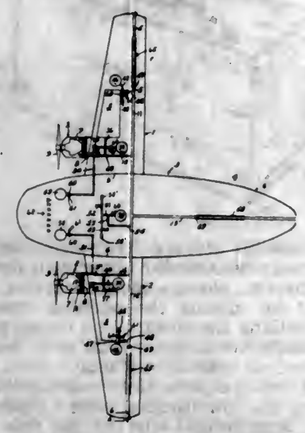
1. In a device of the character described, the combination with an actuating lever and an actuated lever, of a motion communicating lever engageable with the actuated lever for transmitting motion thereto, a snap action mechanism between the actuating lever and the motion communicating lever including spring means reversible as to its direction of thrust during the movement of the actuating lever and adapted to communicate such thrust impositively to the motion

communicating lever, and means carried by the actuating lever positively engageable with the actuated lever at one extreme of movement of the actuating lever for positively operating the



actuated lever at such extreme, whereby to assure motion of the actuated lever in one direction regardless of failure of said snap action mechanism.

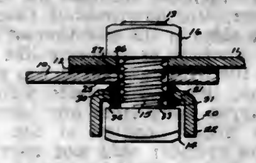
2,560,091
FIRE CONTROL SYSTEM
Charles B. Davis, Carson City, Nev.
Application November 29, 1947, Serial No. 788,773
12 Claims. (Cl. 169—2)



1. In an airplane having a compartment for the engine including a fire wall rearwardly of the engine relative to the direction of flight of said airplane and between said engine and the remainder of the airplane, an air injector positioned within said compartment, a source of fire extinguishing fluid under pressure connected with said injector for actuating the latter for ejecting said fluid toward said engine in a gaseous state and for inducing the circulation of air in said compartment through said injector in mixing relationship with said fluid, said injector having an intake at one end for said air and an outlet at the opposite end for the air-fluid mixture, said intake being adjacent but spaced from said fire wall for drawing air away from said fire wall, the said outlet being directed away from said fire wall, and toward said engine.

2,560,092
SEALING MEANS FOR BOLTED STORAGE TANKS
Robert Griffin De La Mater, Parkersburg, W. Va., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va., a corporation of West Virginia
Application February 17, 1948, Serial No. 8,985
6 Claims. (Cl. 220—81)

6. In a bolted storage tank, in combination, a pair of overlapping sheets, a reinforcing member arranged to one side thereof, said sheets and said reinforcing member being provided with bolt receiving openings, a bolt adapted to project through said openings, and a grommet surrounding said bolt and having a body portion projecting through and beyond both ends of the opening in said reinforcing member, the ends of said grommet having outstanding annular flanges overlying opposite sides of said reinforcing member, the remote faces of said flanges being tapered to decrease in thickness radially



outwardly, said grommet having opposite circular end faces the radially outer edges of which form the radially inner limits of the respective tapered faces and the diameter of each such circular end face being less than the diameter of the bolt opening in said reinforcing member, the material of said grommet being deformable whereby the tightening of said bolt deforms said grommet into leak-proof engagement with said reinforcing member and the adjacent sheet and with said bolt.

2,560,093
LAWN SEEDER
Ralph N. Doble, Hingham, Mass.
Application May 6, 1949, Serial No. 91,795
3 Claims. (Cl. 222—193)

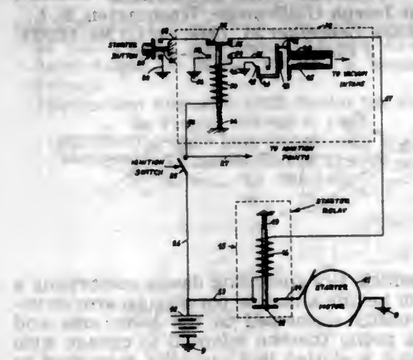


1. A device for sowing grass seed comprising a container for the grass seed to be spread, a closure therefor at the lower end thereof, said closure comprising a body portion having a central opening communicating with the interior of the container and surrounded by an outwardly directed annular flange and a hood element enclosing said flange but spaced therefrom both at its sides and at its edge and having a side wall that forms with the flange an annular passage, said hood element having a discharge opening in its side wall, and means to cause a rapid circulating movement of said granular material throughout said annular passage whereby during such circulating movement the material will be ejected through the discharge opening by centrifugal force.

2,560,094
STARTER MOTOR CONTROL SYSTEM
Donn L. Dodge, Los Angeles, Calif.
Application October 19, 1949, Serial No. 122,290
4 Claims. (Cl. 290—38)

1. An electric starter motor circuit for an engine having an electric ignition system which engine produces a vacuum, comprising a starter motor circuit containing a starter motor, a normally open starter switch and a normally closed cut-off switch; and a control circuit for said starter motor circuit containing the ignition

switch of said engine, a vacuum closed switch, a solenoid to open said normally closed switch to



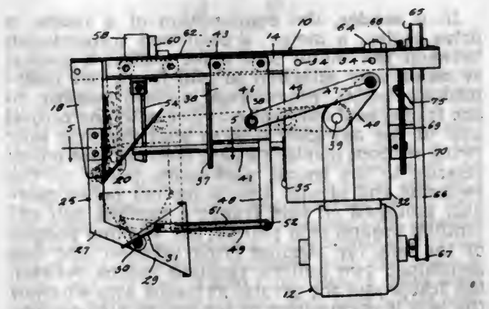
break said starter motor circuit, and means to maintain said solenoid energized as long as said ignition switch is closed.

2,560,095
TWISTED BOW HAIR RIBBON
Inez Vendela Dolphin, Chicago, Ill.
Application September 30, 1948, Serial No. 52,090
3 Claims. (Cl. 132—46)



1. A hair ribbon adapted to be twisted about the hair to simulate a bow, comprising a ribbon formed of two strips of fabric one of which is of substantially less length than and spaced inwardly from the ends of the other whereby the ribbon is of but one thickness at its opposite ends, a longitudinal fold extending substantially centrally of the ribbon, and a deformable metal insert anchored in the overlap and which when twisted about the hair retains the ribbon in the form of a bow.

2,560,096
FRUIT JUICE MACHINE
Adolph Elterman, Belmar, and Hyman P. Peshkin, Asbury Park, N. J.; Jennie Elterman administratrix of said Adolph Elterman, deceased
Application September 17, 1947, Serial No. 774,648
3 Claims. (Cl. 100—40)

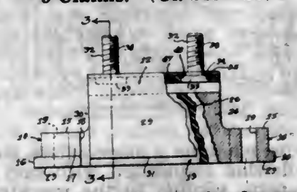


3. A fruit juice extracting machine comprising a supporting frame, a fruit supporting guide on said frame, a spring pressed first pressure plate rockably mounted on said frame, a second pressure plate cooperating with said first pressure plate for crushing a fruit therebetween and slidable along said guide, means operatively connected to said second pressure plate for effecting reciprocation of said latter pressure plate along said guide, said second pressure plate being adapted to push a fruit therebefore during a portion of the reciprocation thereof, a spring pressed strainer support pivotally mounted on said frame below said first pressure plate, a lost motion link connection between said strainer support and said reciprocable pressure plate for rocking said strainer support as said latter pressure plate approaches one end of its reciprocating cycle, a vertically disposed cutting blade slidably depending from said frame between said first and second pressure plates, and means for vertically reciprocating said blade, said first and second pressure plates being formed with vertical slots therein adapted to receive said blade whereby a fruit will be sliced by said blade prior to being crushed.

2,560,097
HAND CLEANING TABLET
Cherry L. Emerson, Jr., Newton Highlands, and William R. Cuming, Boston, Mass., assignors to Lawrie L. Witter, as trustee
No Drawing. Application January 25, 1949, Serial No. 72,756
2 Claims. (Cl. 252—89)

1. A dry one-use cleaning tablet having a dry strength sufficient to sustain it against breakage in transit and storage and a void content sufficient to cause it readily to absorb water and rapidly disintegrate in the presence of moisture, consisting essentially of a solid ionic organic detergent and a substantially water insoluble solids filler mixed together and compressed at a pressure of about that given by the expression $P=35{,}000e^{-2D}$ in which D is the weight fraction of detergent in the tablet and e is the base of the natural logarithms and has the value of 2.72, the detergent being not less than 0.125 and not greater than 0.75 of the tablet weight and the tablet having a gas void volume to solid volume in a ratio of not less than 0.24 and not greater than 0.76, the tablet being readily crushed and disintegrated in the palm of a hand when brought into contact with water.

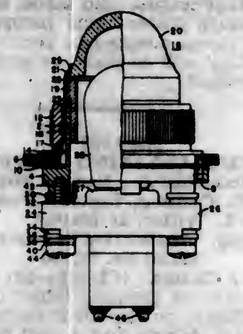
2,560,098
CUSHION MOUNTING DEVICE
Robert W. Fernstrum, Detroit, Mich., assignor to Gray Marine Motor Company, Detroit, Mich., a corporation of Michigan
Application January 5, 1946, Serial No. 639,304
5 Claims. (Cl. 248—22)



1. A cushion mounting device for articles to be resiliently supported comprising a support having an upstanding member, an inverted approximately U-shaped channel member having its flanges extending downwardly on opposite sides of said upstanding member with its web extending thereover, means on said channel member for connecting the supported article thereto, and an

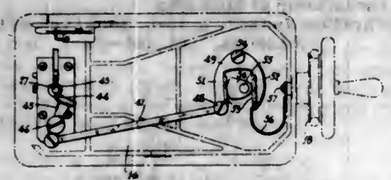
inverted approximately U-shaped member of resilient material disposed between and bonded to the facing surfaces of said members and extending over the top of said upstanding member, and a stop member on said support disposed longitudinally of said channel member in spaced relationship therewith.

2,560,099
LIQUID TIGHT INDICATOR LIGHT
Stanley L. Frank, Beaver, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 14, 1949, Serial No. 70,893
13 Claims. (Cl. 177—329)



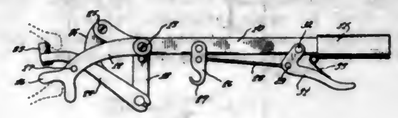
1. Indicator light structure adapted to be mounted in an opening through a support, including a sleeve member adapted to extend through said support opening and having a flange at one end adapted to engage the inner side of said support, a clamping ring threaded on the outside of said sleeve to engage the outer side of said support when drawn tight to secure said sleeve member in said opening, and a lens member detachably secured to said sleeve member and having a flange adapted to engage the outer end of said sleeve member when said lens member is secured to said sleeve member.

2,560,100
MACHINE FOR MAKING DOUBLE-STITCHED GLOVES
Helen Ginsberg, New York, N. Y., assignor to G & G Glove Co., New York, N. Y., a firm
Application April 14, 1947, Serial No. 741,300
1 Claim. (Cl. 112—199)



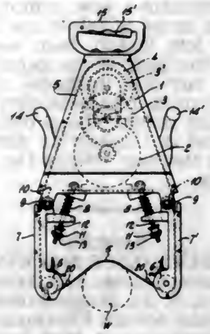
In a sewing machine, a looper shaft, a rock arm having a driving connection with said shaft, a U-shaped plate pivoted to the machine frame and connected by one of the two legs thereof to said arm, a cam disposed between and in engagement with said legs, means for driving said cam, and spring means engaging and extending between said U-shaped plates and the frame of the machine to compensate for loose play in the parts to smooth the action and reduce noisy operation.

2,560,101
VEHICLE TIRE SPREADER
Arthur Joseph Guillemette, Washington, R. I.
Application December 31, 1948, Serial No. 68,531
3 Claims. (Cl. 254—50.1)



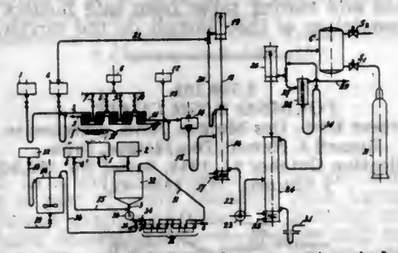
1. A vehicle tire spreading device comprising a lever arm having a handle portion, an arm structure pivotally connected to the lever arm and having a prong thereon adapted to engage with a tire bead, a slotted link pivotally connected to the lever arm adjacent the connection of the arm structure thereto, a bead engaging element pivotally connected to the link and also pivotally connected to the lever arm, said arm structure and bead engaging element being separable from one another upon pivoting the lever arm to spread the tire and being collapsible one upon the other upon release of the lever action.

2,560,102
SANDER
J. Edwin Guinn, Ithaca, N. Y.
Application October 24, 1946, Serial No. 705,458
1 Claim. (Cl. 51—170)



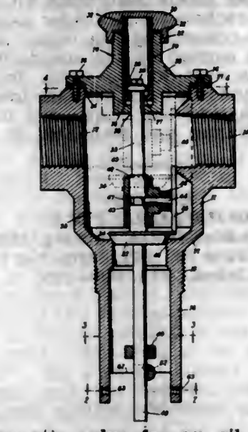
In a sander, the combination of a frame, a drive pulley, a motor, a reduction transmission between the motor and drive pulley, a pivotal swinging arm attached to said frame, an intermediate pulley whose axis is fixed relative to the frame, said axis being in line with the pivotal axis of the swinging arm so that the arm may swing without displacing said intermediate pulley relative to the frame, a swinging pulley on the swinging end of said arm, a further pulley movably mounted on said frame, a sanding belt extending around said pulleys, the working portion of the belt for sanding lying between said last mentioned two pulleys, resilient means between the frame and the pivotal swinging arm whereby the belt is maintained in tension at all positions of said swinging arm, said belt being bent around the intermediate pulley at the pivotal end of said swinging arm when the arm is swung inward for sanding pronounced curvatures.

2,560,103
MANUFACTURE OF NONSATURATED ALDEHYDES
Henri Martin Guinot, Versailles, France, assignor to Les Usines de Melle (Société Anonyme), Saint-Leger-les-Melle, France, a company of France
Application August 8, 1945, Serial No. 609,675
In France March 6, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires March 6, 1960
3 Claims. (Cl. 260—601)



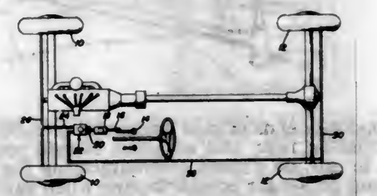
1. In the production of an unsaturated aldehyde from an aqueous solution of an aldolized lower alkanal, the steps of acidifying said solution to a pH-value between 2 and 6, and distilling said acidified solution at a superatmospheric pressure of between 0.5 and 5 kg. per sq. cm. above atmospheric pressure.

2,560,104
AUTOMATIC OIL TANK SWITCH
Frank Guyton, Sperry, Okla.
Application December 12, 1947, Serial No. 791,416
1 Claim. (Cl. 137—68)



An automatic valve for an oil storage tank, comprising a hollow body having an opening in its upper side and an inlet port and a by-pass port, an outlet conduit communicating with the body below said ports and extending downwardly from the body, a head closing the opening in the upper side of the body and provided with an axial bore, a sleeve provided at its lower end with an inner annular flange and mounted in the bore for rotation and endwise movement with relation to the head, a cap secured to the upper end of the sleeve and detachably engaged with the head so as to seal the end of said axial bore, a valve stem slidable axially of the head, body and outlet conduit and having its upper end positioned in the lower portion of the sleeve, a washer on the upper end of the valve stem adapted to engage the flange of the sleeve, valve units mounted on the stem for movement thereby into an up position or a down position, the detachable cap, sleeve and washer constituting means by which the valve units may be lifted to their up position and then released for automatic movement to a down position, the valve units when in up position closing the by-pass port and opening communication between the body and outlet conduit, and the valve units when in down position opening the by-pass port and closing communication between the body and outlet conduits, and a float actuated means cooperating with said valve stem to releasably hold the valve units in up position.

2,560,105
HYDRAULIC BRAKE SYSTEM
Henry W. Hart, Idabel, Okla.
Application February 21, 1950, Serial No. 145,557
1 Claim. (Cl. 60—54.5)

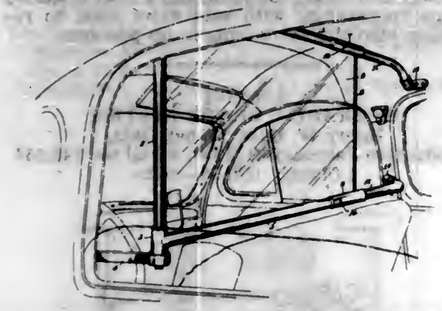


In a hydraulic brake system for automotive vehicles, a master cylinder with a pedal operated piston and a single fluid conducting conduit at one end thereof, a pair of branch cylinders spaced from said master cylinder, each of said branch cylinders having a branch pipe operatively connected with said master cylinder conduit, a first branch pipe connected to one branch cylinder and a second branch pipe connected to the other branch cylinder, said first and second pipes being separate and independent of each other and adapted to conduct fluid to and from wheel cylinders, said branch cylinders having individual hydraulic fluid reservoirs, said cylinders having ports communicating with said reservoirs, and a floating piston in each cylinder, whereby pressure is transmitted through said branch cylinders and fluid from the reservoirs is fed into the branch cylinders to replace fluid leaking from the system, said reservoirs thus functioning as indicators of which branch of the system is leaking since the level of the fluid in the corresponding reservoir falls, said floating piston having a spring biasing the same toward the end of the branch cylinder adjacent the master cylinder, and a valve in the opposite end of the branch cylinder allowing substantially unrestricted outflow and restricted inflow, said valve being mounted between said opposite end and said spring, and said restricted flow being accomplished by shifting the valve longitudinally of the branch cylinder against the action of said spring, said valve having a plunger, a weak spring biasing said valve into closing position, said substantially unrestricted flow being accomplished by shifting of said plunger against the action of said weak spring.

2,560,106
SAFETY PARTITION
John W. Held, Fairview, Ohio, assignor to Tube Craft, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 9, 1948, Serial No. 43,196
1 Claim. (Cl. 296—35)

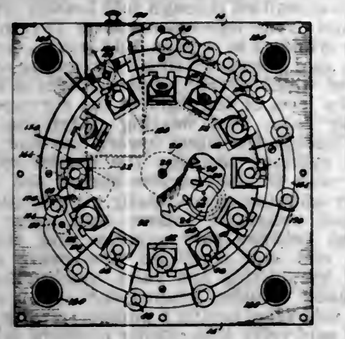
The combination with a taxicab body having opposed side frame members, a driving compart-

ment and a passenger compartment, of a safety partition separating said compartments and comprising a frame member bent intermediate its ends to provide a vertical end member adjacent one of its ends and a substantially horizontal arm extending from said end member, a second horizontal frame member spaced from said arm and rigidly connected at one end to said end member, and a protective pane secured in said frame and extending from said vertical end member toward



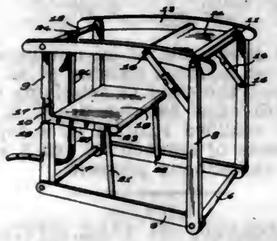
the opposite ends of said horizontal members but terminating near and adjacent to said opposite ends to provide a space communicating the driving and passenger compartments when said partition is assembled in a taxicab and means carried by said partition frame members whereby to secure the same to said opposed side frame members of the taxicab body, whereby to secure said vertical end member closely adjacent to an adjacent side frame member.

2,560,107
AUTOMATIC CHEMICAL TESTING APPARATUS
Thomas A. Hewson, Dover, Mass., assignor to Lessells and Associates, Inc., Boston, Mass., a corporation of Massachusetts
Application June 4, 1949, Serial No. 97,263
8 Claims. (Cl. 23—253)



8. Apparatus of the class described, comprising a rotatable carrier, a plurality of test tube holders pivotally mounted on a horizontal axis upon said carrier approximately equi-distant from the axis of rotation thereof, a plurality of test tubes disposed in said holders, a cam rigidly mounted beneath said carrier in position to encounter and tilt oncoming test tubes in said holders as said carrier is rotated, driving means adapted to rotate the carrier through a series of predetermined degrees of rotation with a pause interval between each move, a reagent dispenser mounted above said carrier and disposed at a pause point above that at which the tubes in the holders periodically pause, means actuated by successive oncoming test tubes for operating said dispenser to discharge reagent into successive test tubes, heating means mounted adjacent the path of oncoming test tubes at at least one of the pause points, cooling means mounted adjacent the path of oncoming test tubes at at least one of the pause points, an agitator mounted in position to encounter and agitate successive oncoming test tubes, and means for automatically extracting and storing tubes from said holders at the completion of their circuit on the carrier.

2,560,108
FOLDING HIGH CHAIR
Herbert Hieb, Des Moines, Iowa, assignor to Russell J. Newell, Des Moines, Iowa
Application October 21, 1946, Serial No. 705,860
7 Claims. (Cl. 155—41)



1. In a collapsible chair of the class described, a lower frame comprising a flat and open rectangle, an upper frame comprising an open rectangle having rockers for its longer sides, standards pivotally connecting the upper and lower frames, a seat carried by the standards, means connecting the seat to the lower frame, said frames and standards being foldable toward each other for collapsing the chair, and means for securing the frames and standards in an erect position.

2,560,109
ADJUSTABLE POLE
Gail Hamilton Hines, Lansing, Mich.
Application June 23, 1947, Serial No. 756,517
5 Claims. (Cl. 248—353)



1. In a device of the class described, the combination of a length of tubing, a pawl-holder slidable on said tubing, a pawl connected to said tubing by means of the pawl-holder and resilient

means connecting the pawl to the ensemble including the length of tubing and the pawl-holder, a longitudinally disposed element projecting in sliding connection with the length of tubing, and means in said element to engage with the pawl to make variable length in the resultant pole.

2,560,110
TEMPORARY BINDER
Henry Stanley Horn, South Orange, N. J., assignor to W. C. Horn Bro. & Co., Newark, N. J., a corporation of New Jersey
Application September 12, 1945, Serial No. 615,774
2 Claims. (Cl. 129—13)



2. In a temporary binder or the like comprising a pair of cover members each having an inturned overlapped flange, a plurality of perforated sheets between the flanges and fastening means extending through the flanges and through the perforations in the sheets to hold them in assembled relation, said fastening means comprising two telescoping elements which are adapted for limited rotation relatively to one another, one of said elements having an enlarged head, disposed between one of said flanges and its cover, and an axially extending stud of less length than the normal thickness of the binder, said stud having parallel opposite flat portions and intermediate partial cylindrical surfaces provided with transversely extending screw-thread-like grooves and the other element having an enlarged head disposed between the other flange and its cover, and an axially extending tubular portion of less length than the normal thickness of the binder and of an internal diameter larger than the diameter of the stud element, said tubular portion having only at its inner end diametrically opposed radial inwardly projecting lips of a thickness to engage within the grooves of the stud, the inner edges of the lips defining curves having progressively decreasing radii, the smallest diametrical distance between the edges of the lips being less than the diameter of the stud across the bases of its grooves, but larger than the dimension of the post between the parallel opposite flat portions thereof, whereby to permit the lipped end of the tubular portion to engage over the post so that by rotation of the elements relaitvely to each other through an arc of approximately 90°, the lips will engage in the grooves in the stud and cam and lock therewith to hold the elements against accidental axial movement.

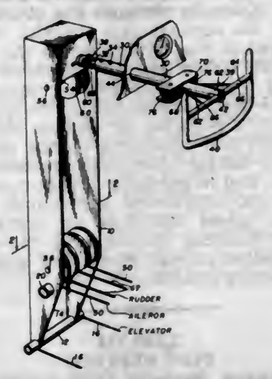
2,560,111
BUFFING CHUCK
John Huise, Danbury, Conn., assignor of one-half to Raymond T. Levine, Danbury, Conn.
Application November 7, 1946, Serial No. 708,343
2 Claims. (Cl. 279—2)

2. A chuck for engagement of a hollow object on the internal diameter thereof including a body, a shaft slidably mounted in said body, a radially expansible and cylindrical gripper member having a diametric wedge-shaped slot mounted in said body for slidable movement above the upper end thereof and secured to the upper end of the shaft with which it is moveable, an expansible jaw member secured to the top of said gripper member and engageable with the upper end of said body when the gripper is in lowermost position, a wedge-shaped member secured to the body and engageable by the slot of said gripper to expand and contract said gripper, an expansion spring mounted within the body and secured to the shaft to normally maintain



the jaw member in engagement with the upper end of the body and in locked position relative to the internal diameter of the object, the said jaw member upon upward movement of said shaft being adapted to project above the upper end of the body and be radially contracted to permit removal of the object held thereby.

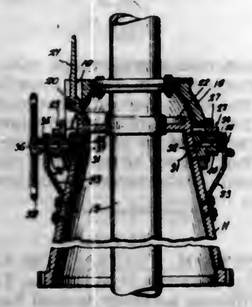
2,560,112
THREE-CONTROL SYSTEM FOR AIRCRAFT
Ray Kendall and James D. Williams, Tulsa, Okla.; said Williams assignor to said Kendall
Application April 9, 1947, Serial No. 740,334
1 Claim. (Cl. 244—83)



Means for controlling an aircraft comprising a housing, means intermediate the ends of said housing and projecting from the sides thereof for pivotally securing said housing interiorly of an aircraft, a first bank of pulleys mounted in said housing adjacent the lower end thereof, a second bank of pulleys mounted in said housing adjacent the top end thereof, a tube secured to the lower portion of said housing beneath said first bank of pulleys and having its ends extending from the sides of said housing, means for controlling aircraft elevators, said last mentioned means being secured to said tube adjacent the ends thereof and on the exterior of said housing, a shaft mounted for rotation in said housing transversely of the rotation axis of said first and

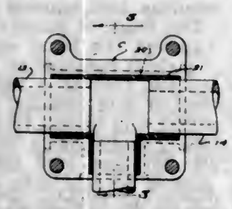
second banks of pulleys and above said second bank of pulleys, a rod, a universal joint connecting said rod and said shaft, a hollow shaft attached in concentric relation with said rod, a handle pivoted to said hollow shaft, means for controlling an aircraft rudder, said last mentioned means being secured to said handle and entrained over said first and second banks of pulleys, a sprocket attached to said shaft, a chain entrained over said sprocket, a cable for controlling aircraft ailerons attached to each end of said chain and extending around said first bank of pulleys, a bracket secured to said hollow shaft and having a pair of rotatively mounted guides disposed thereon with said rudder control means entrained therearound.

2,560,113
STANDPIPE TURNING DEVICE
Leo I. Kennedy, Lemoyne, Pa.
Application March 2, 1946, Serial No. 651,572
3 Claims. (Cl. 137—21)



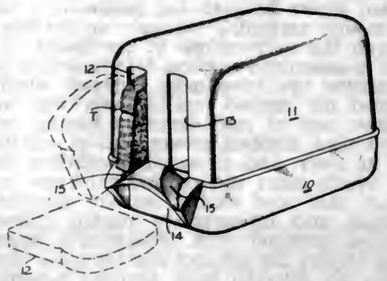
3. In an apparatus for watering a locomotive tender, a hollow support stand, a water column extending upwardly through the stand for rotation about its vertical axis therein, an annular hood secured to the column above the stand and enclosing the upper edge of the stand to form a water shed therefor and also for supporting the column, the hood terminating at its lower edge in a ring gear, a plurality of pinions circumferentially spaced and journaled on the stand below the hood to rotate about axes perpendicular to the column and in meshing engagement with the ring gear and supporting the column upon the stand, said stand including an annular flange slidably embracing the column to retain the column against lateral movement and the ring gear in coacting relation.

2,560,114
PIPE FITTING
Lorenzo Kennon, Burbank, Calif., assignor of one-half to William S. Schwartz, Glendale, Calif.
Application February 14, 1949, Serial No. 76,277
2 Claims. (Cl. 285—195)



1. A coupling for pipes including, a tubular body with a lateral extension, the body being divided through the extension for clamping onto the pipes with a pipe entering each end of the body and into the extension, the sections defining an annular chamber in the body around the pipes that are entered therein and an annular chamber around the pipe that entered in the extension, the body and extension having flanges at their ends closing the chambers, and sealing means including a sleeve of rubber-like material in the body and having a projecting part in the said extension, the sleeve and projecting part being in pressure engagement with the pipes.

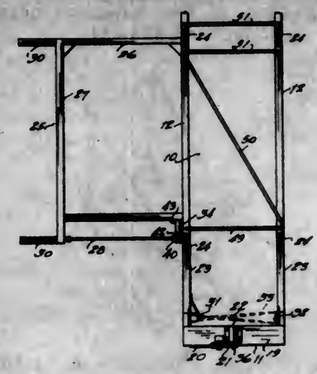
2,560,115
TOASTER
Frank O. Kompass, New York, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application January 28, 1947, Serial No. 724,910
2 Claims. (Cl. 99—391)



1. In a toaster of the class in which a piece of toast is fed endwise on its bottom edge through a passage between a pair of heating elements and then released for a vertical drop onto a plate or the like, a cam member positioned at the end of the passage and on which the leading end of the bread is moved as the bread leaves the passage, said cam member having a surface for receiving the lower edge of the bread as it leaves the passage a portion of said surface being inclined downwardly and toward one side of the passage whereby to contribute a side movement and spin to the lower edge of the bread as the bread slides on said cam surface so that the bread will tend to drop on its flat surface onto the plate or the like rather than roll on its edge.

2,560,116
STARTING DEVICE FOR RODEO CONTESTANTS
James E. Lucas, Fort Worth, Tex., and Carl H. Dossey, Chandler, Ariz.
Application December 16, 1948, Serial No. 65,585
3 Claims. (Cl. 119—15.5)

1. In a starting device for rodeo animals and performers, the combination comprising a chute having connection at one end with a corral and open at its discharge end, a detention pen arranged along one side of said chute having a flexible releasable barrier across its forward end and spaced back of the discharge end of said chute having electrical conductors for an electrical circuit on said chute, a photo-electric cell connected therein and arranged in the discharge end of said chute, the said cell being capable of directing a beam across said chute in the path of an animal traversing said chute, and an electrical latch for said barrier connected in said



circuit capable of being actuated when said beam is broken.

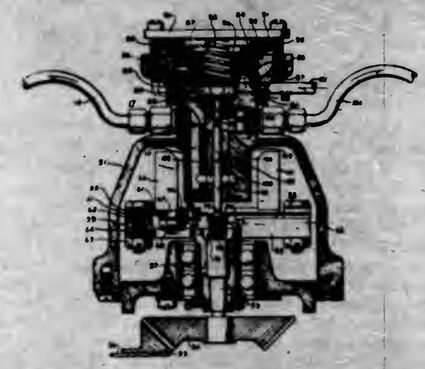
2,560,117
SIGN
Robert W. Mallary, Los Angeles, Calif.
Application January 31, 1947, Serial No. 725,497
4 Claims. (Cl. 40—130)



1. An illuminated sign comprising: a one-piece solid molded panel of light transmitting material, said panel having a cavity therein in which a sign character comprising a solid substance of optical characteristics different from said panel is molded so as to be fully embedded within said panel and united thereto by molding whereby no interlayer of air exists between the contacting surfaces of said sign character and said panel, none of the surfaces of said sign character being coplanar with any surface of said panel thereby creating the appearance of being unattached to any surface of said panel and of being freely suspended therein, and means for illuminating said sign.

2,560,118
FUEL FEEDING APPARATUS FOR GAS-DRIVEN TURBINES
James L. Malone, Swarthmore, and Matthew McKinnell, Chester, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application April 24, 1945, Serial No. 589,978
3 Claims. (Cl. 158—36.4)

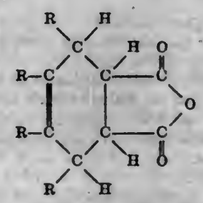
3. A speed governor for controlling the flow of liquid fuel to a power plant, said governor including means forming a pressure chamber, means forming a fuel inlet and a fuel outlet in communication with the pressure chamber, a valve for the pressure chamber said valve positioned to be movable between outlet opening and outlet closing positions, said valve having a valve stem, a valve stem bearing in which the valve stem is freely slidable, said bearing being provided with two radial openings through its side, said radial openings being spaced from the said pressure chamber and each other, means communicating said openings with the exterior of the speed governor, said valve facing said outlet opening and having a pressure area exposed directly to the



pressure of fuel in the pressure chamber urging said valve toward its outlet opening position, and means including fly weights and a drive connection for exerting a pressure on the opposite side of the valve through the valve stem urging the valve toward its outlet closing position with a force proportional to the speed that the drive connection is turned, so that increase in the rate of turning of said drive connection when driven by said power plant will reduce the flow of fuel to the power plant and hence reduce the speed of the said power plant.

2,560,119
TETRAHYDROPHTHALIC ANHYDRIDE RESINS
John W. McCaslin and John C. Hillyer, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 21, 1947, Serial No. 787,472
11 Claims. (Cl. 260—78.4)

4. A process for the preparation of a resinous polymeric product, comprising polymerizing from 20 to 70 percent of a reactant material consisting essentially of an anhydride having the structural formula:



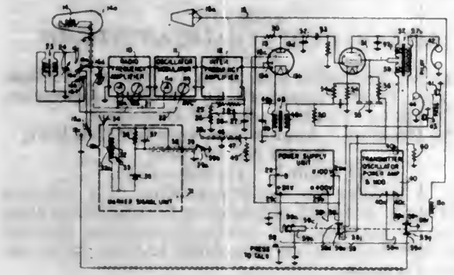
where each R is one of the group consisting of hydrogen, chlorine, and alkyl, with not more than two R's being chlorine, and with not more than 13 carbon atoms per molecule of said anhydride, by heating said reactant material as a liquid at a temperature within the range of 520 to 800° F., for a time within the limits of 1 and 4 hours and recovering a resinous polymeric material from the resulting reaction mixture as a product of the process.

2,560,120
SHOE INSOLE WITH MOISTURE ABSORBING AGENT
Harold Miller, Bronx, and Anita Kiedish, New York, N. Y.
Application August 6, 1949, Serial No. 108,884
3 Claims. (Cl. 36—3)



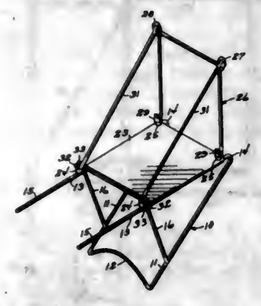
1. A laminated insole comprising a flexible one-piece bottom ply, a two-part upper ply spaced above said bottom ply a plurality of spaced cushioning elements mounted between the adjacent faces of said plies with their outer faces flush with the outer edges of said plies, said cushioning elements having their inner ends stopped short of the longitudinal center of said plies leaving passages between their adjacent sides and along the longitudinal center of said plies for the circulation of air and the insertion of a moisture absorbing agent, and a flexible covering ply secured in position over the top face of said upper ply, said covering ply in the areas of its periphery aligned with the outer faces of said cushioning elements having dependent tongue-like extensions secured to the outer faces of said cushioning elements.

2,560,121
RADIO RECEIVER FOR MULTIPLE SIGNALS
Donald H. Mitchell, Chicago, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application September 6, 1945, Serial No. 614,641
10 Claims. (Cl. 250—13)



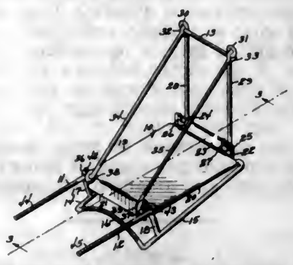
1. A radio transmitter-receiver system comprising, a voice-signal carrier-frequency selecting amplifying and detecting first portion, an auxiliary carrier-frequency selecting and detecting second portion, a modulator and power amplifier third portion, at least one intercommunicating microphone, an audio-frequency amplifier having input means and output means, a circuit for applying to said input means a voice signal translated by said first portion, a circuit for selectively simultaneously applying to said input means a signal translated by said second portion, a circuit for simultaneously applying to said input means a signal from said microphone, a signal reproducer coupled to said output means, and means for selectively coupling said output means to said third portion, whereby said amplifier serves as a modulator amplifier for said microphone while said system is operating as a transmitter.

2,560,122
WINDOW SCAFFOLD
Scott M. Moats, Columbus, Ohio
Application July 27, 1948, Serial No. 40,805
1 Claim. (Cl. 304—27)



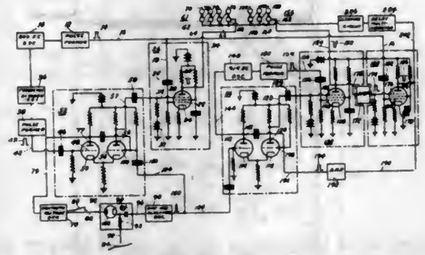
A window scaffold comprising a continuous rod bent into a U-shaped member having a closed portion and leg portions, each of said leg portions being bent to form a pair of parallel V-shaped portions having a top leg portion and a bottom leg part, a brace member extending between and secured to the leg parts of each leg portion, means adapted to secure the top leg parts to the inner side of a window frame, longitudinally spaced front and rear eye formations on each top leg part, a U-shaped back rest having leg portions with detachable hook formations engaged in the rear eye formations of the top leg parts brace members each having an eye end and a bent end, said U-shaped back rest having loops laterally spaced from one another at its upper end, said brace members extending respectively from the said detachable engagements of their bent ends with the front eye formations to hinged engagement with the loops on said U-shaped back rest by means of their eye ends, and a seat on the top leg parts.

2,560,123
WINDOW SCAFFOLD
Scott M. Moats, Columbus, Ohio
Application January 24, 1950, Serial No. 140,255
1 Claim. (Cl. 304—27)



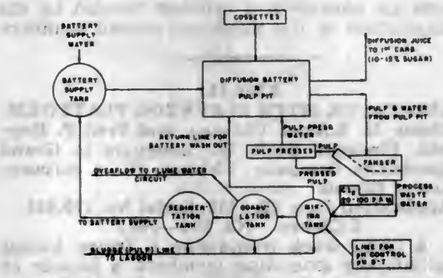
A window scaffold comprising a platform having rolled edges with an upwardly extended flange on the outer end and a downwardly extended flange on the inner end, side bars having threaded inner ends extended through the rolled edges of the platform, a back rail having downwardly extended rods at the ends positioned above the outer end of the platform and with hooks on the lower ends of the rods positioned in openings in the flange on the outer end of the platform, a tube extended across the platform and through which the threaded ends of the side bars extend, nuts on the said inner ends of the side bars, and a U-shaped supporting brace positioned below the platform having side bars extended from the outer ends of the side bars extended through the rolled edges of the platform and with the inner ends of the side bars of the brace connected by an arcuate bar, and struts having eyes on offset upper ends connecting the inner ends of the side bars of the brace to the side bars of the platform, and diagonally positioned braces extended from the eyes of the struts to the end of the back rail for supporting the back rail from the inner end of the platform.

2,560,124
INTERVAL MEASURING SYSTEM
Jack Mofenson, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 31, 1950, Serial No. 153,096
9 Claims. (Cl. 332—11)



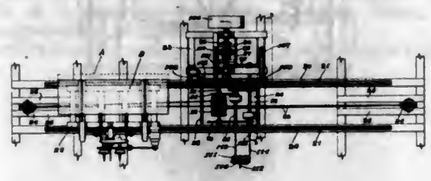
1. A system comprising a first means for generating signal pulses at one rate, a second means for generating signal pulses at a rate different from the rate of said first means, means responsive to coincident signal pulses for producing an output signal, means responsive to an input signal for causing pulses of said first and second means to appear at said responsive means thereby causing an output signal at an interval from said input signal determined by the position of said input signal with respect to the pulse of said first means immediately preceding said input signal.

2,560,125
TREATMENT OF SUGAR PROCESS WATER
Erman A. Pearson, Bothell, Wash., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application June 15, 1949, Serial No. 99,282
7 Claims. (Cl. 127—44)



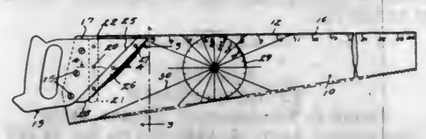
1. In the extraction of sugar from beets by diffusion the process of re-utilizating the process waste water for the purpose of further extraction of sugar consisting in the following steps: collecting the process waste water, adding thereto from 20 to 100 p. p. m. of chlorine, controlling the pH of the process waste water and chlorine mixture between a pH of 5 and 7, separating solid matter from the said mixture, and reintroducing the said mixture into the diffusion process.

2,560,126
REVERSIBLE VARIABLE-SPEED AND VARIABLE-TORQUE TRANSMISSION MECHANISM
Lionel Pease, Seattle, Wash., assignor to Frank H. Draper, Seattle, Wash.
Application December 17, 1946, Serial No. 716,732
11 Claims. (Cl. 74—218)



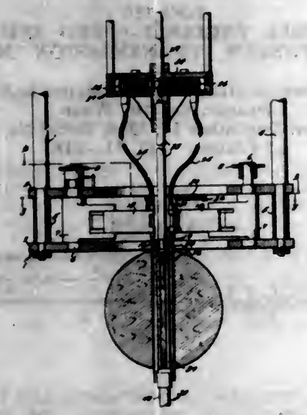
7. In a reversible variable-speed and variable-torque transmission mechanism, the combination of oppositely rotatable shafts; fluid-distensible torque transmitting clutch structures carried by said shafts; a power output shaft drivably connected with said clutch structures for reverse rotation thereby at different maximum rates of speed; and means for conducting pressure fluid to said clutch structures including variable pressure control means adapted to selectively deliver pressure fluid to said clutch structures and to graduate such delivery thereto on or off for progressively distending and/or similarly deflating the selected clutch structure, to thereby vary the speed and torque output of said power output shaft from zero to the maximum in each direction.

2,560,127
COMBINED SQUARE AND COMPASS
Maurice Elmo Peeples, Kingsland, Ga.
Application October 14, 1948, Serial No. 54,389
1 Claim. (Cl. 7—13)



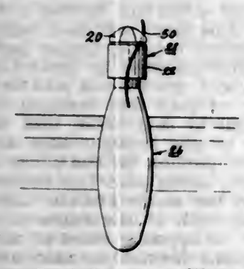
A handle for a flat tool having a straight back edge, and a scale along said back edge, comprised of an apertured hand gripping portion and a slotted portion adapted to extend on opposite sides of said tool, the edge of said slotted portion on one side of said tool terminating adjacent the zero point of said scale, and extending at right angles to said straight edge, and the edge of the slotted portion on the other side of said tool extending along said tool beyond said zero point, a miter bar secured to said tool in abutting relation with each of the edges of said slotted portion and on opposite sides of said tool, and a scribing point formed on said miter bar adjacent to said edge of said slotted portion on said one side of said tool at the zero point of said scale.

2,560,128
APPARATUS FOR SECTIONIZING CITRUS FRUIT
Ralph Polk, Sr., and Ralph Polk, Jr., Tampa, Fla., assignors to Polk Development Company, Tampa, Fla., a co-partnership
Application December 16, 1948, Serial No. 65,578
5 Claims. (Cl. 146—3)



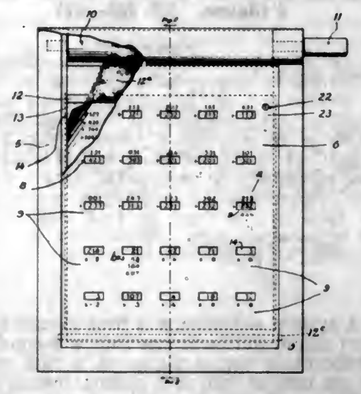
1. In apparatus for severing radial section walls from the meat of citrus fruit sections, said apparatus including an elongated rotary rod of relatively small diameter and a movable support therefor journalling the rod adjacent one end thereof for rotation and for moving the rod from an initial position penetrating a fruit section closely within the apex of the radial walls of the section generally radially outwardly along a radial wall through the periphery of the section to break the bond between the wall and meat of the section, the improvement comprising an elongated non-rotary tine, a support therefor mounting the tine parallel with the rod and contiguous thereto in said initial position for penetration of the section together with the rod, said support for the tine restraining movement thereof from the penetrated position as the rod is moved outwardly, and the free end of said rod being extended beyond the corresponding end of the tine whereby the rod penetrate the fruit section in advance of the tine and opens a path through the section adjacent thereto to facilitate penetration by the tine.

2,560,129
FISHING FLOAT
Ralph L. Rhotehamel, Dayton, Ohio
Application April 10, 1948, Serial No. 20,289
5 Claims. (Cl. 43—44.89)



1. A fishing float for use with a fishing line comprising, a floatable bulb, an elongated headed plug including a line receiving groove therein associated with said bulb, a slidable ferrule carried by said plug, spring means acting between said bulb and said ferrule and enclosed by said ferrule for urging said ferrule toward the head of said plug, and cooperative telescoping locking means carried by said plug and said ferrule capable upon selected rotation of the ferrule to locate the locking means in non-telescoping relation for holding the ferrule in a position wherein a line is slidable in said groove, said ferrule being capable of locking said line against movement relative to said plug when said locking means are in telescoping relation.

2,560,130
DEVICE FOR TEACHING ARITHMETIC
Matthew J. Russo, Falls Church, Va.
Application December 18, 1947, Serial No. 792,438
4 Claims. (Cl. 35—31)

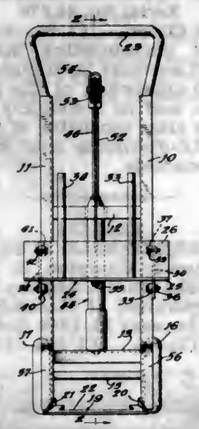


1. A device for teaching arithmetic comprising, a fixed surface having a sight opening therein, a number bearing sheet movable therebehind, a fixed number on the fixed surface adjacent said sight opening, a writing surface on the fixed surface adjacent said sight opening and a group of numbers on the movable sheet disposed in position to be moved past said sight opening in step by step movement, said numbers of the movable sheet being such that the first of such numbers movable into sight when coacted with the fixed number in the solution of a problem yields an answer which corresponds to the second number which will move before said sight opening upon the next succeeding movement of the movable sheet, and wherein the third number which will move before the said sight opening upon a following movement of the sheet is such as to constitute an answer to a problem formed by the juxtaposition of the fixed and second numbers.

2,560,131
HAND TRUCK WITH ELEVATOR PLATFORM
Anthony M. Sasgen, Chicago, and Fred P. Hopfeld, Elmwood Park, Ill., assignors to Grand Specialties Company, Chicago, Ill., a corporation of Illinois
Application June 28, 1950, Serial No. 170,834
5 Claims. (Cl. 214—100)

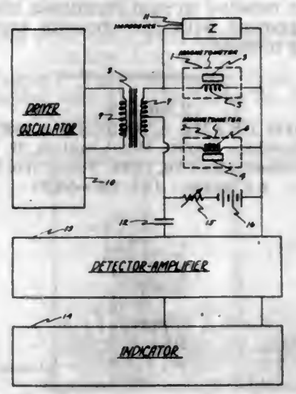
1. A hand truck comprising a frame having longitudinally extending members, a handle on the upper part of said frame, a forwardly projecting tongue member on the lower end of said frame, spaced wheels on an axle mounted on said frame and adapted to roll on a floor for supporting the truck for transportation, a platform

carried by said frame and movable longitudinally thereof to and from the upper part of said frame, said platform in its lowermost position on the frame being disposed on said tongue member, a hydraulic jack mounted on said frame, said jack including a piston and cylinder mechanism, said cylinder being arranged longitudinally of said frame, a rod member connected to said piston and extending from said cylinder toward said upper frame part, a pulley or guide wheel mounted on the outer end of said piston rod member, a



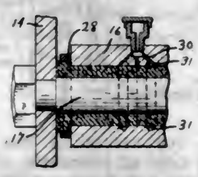
lever on said frame which is adapted to be reciprocated to build up fluid pressure in said cylinder to cause said piston to move under the influence of hydraulic pressure and advance the piston rod and guide wheel forwardly of said cylinder, a flexible connecting member extending over said guide wheel, said flexible member being attached at one end to said platform and at the other end to said frame whereby manipulation of said hydraulic jack lever is effective to cause said platform to move along said frame.

2,560,132
UNBALANCED MAGNETOMETER
Otto H. Schmitt, Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application January 1, 1944, Serial No. 516,612
2 Claims. (Cl. 177—351)



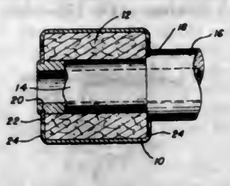
1. In a magnetometer, the method of producing an output voltage consisting of a series of pulses of alternate polarity whose difference in magnitude is dependent upon the magnetic field, which comprises the steps of impressing an alternating driving voltage upon a pair of substantially identical magnetometer elements by means of a bridge circuit for driving the cores of said elements into saturation, unbalancing said bridge circuit by associating an impedance with one of said elements so as to unbalance the circuit in zero magnetic field, and utilizing as said output voltage the voltage that appears across a diagonal of said bridge circuit.

2,560,133
BEARING
Bruno Schroeter, Detroit, Mich., assignor to O. & S. Bearing Company, Detroit, Mich., a corporation of Michigan
Application December 14, 1944, Serial No. 568,089
3 Claims. (Cl. 308—238)



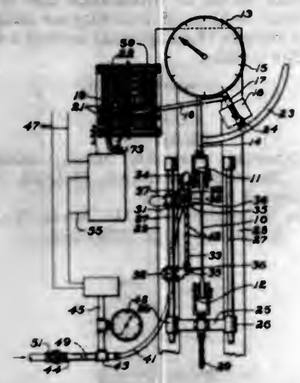
1. A bearing comprising an inner member, an outer member, means comprising split fabric tubes formed under great pressure and arranged in axially abutting relation under pressure between said members, supporting means for said inner member, radial flanges at the outer ends of said tubes positioned under compression between said outer member and said supporting means of said inner member, and ring means surrounding the inner edge of said radial flanges at the point of contact with said outer member to reinforce said flange.

2,560,134
SELF-LUBRICATING BEARING
Bruno Schroeter, Detroit, Mich., assignor to O. & S. Bearing Company, Detroit, Mich., a corporation of Michigan
Application November 1, 1946, Serial No. 707,090
2 Claims. (Cl. 29—149.5)



1. A method of making a self-lubricating bearing which comprises forming a cylindrical shape of woven fibrous bearing material impregnated with a lubricant, inserting a sized mandrel inside the cylindrical fibrous material of slightly larger diameter than the final finished bore, confining the outer surfaces of said cylindrical material and subjecting the ends to a force whereby the entire mass of fibrous material is materially compressed axially, and subsequently confining a portion of the ends of the material adjacent the outer confining means to form a finished bearing having an inner bearing surface relatively permanent in size and shape.

2,560,135
TESTING APPARATUS FOR INDICATING AND RECORDING ELONGATION
Ross Shearer, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 2, 1947, Serial No. 745,502
8 Claims. (Cl. 73—89)



5. Apparatus for recording the relative displacement of a pair of elements, said apparatus comprising a source of fluid, a member affixed to one of said elements and having an orifice connected to said source of fluid, a member affixed to the other of said elements and disposed in a position for obstructing said orifice, said last-mentioned member having perforations at spaced-apart positions located in actuating relation to said orifice for opening and closing said orifice at determinate increments of displacement of said elements and fluid operated recording means comprising a spark producing electrical circuit containing delay action switch means for recording in intermittent intervals of regulated duration in response to opening and closing of said orifice.

2,560,136
SURGE ARRESTER FOR AIR LINES
Nils Olof Hjalmar Sidenmark, Danderyd, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application May 4, 1949, Serial No. 91,401
In Sweden May 21, 1948
1 Claim. (Cl. 175—30)

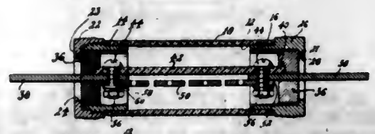


For use with an insulator support having a metal part, a skirted insulator thereon and an overhead line wire attached to the insulator above the skirt, a surge arrester comprising a rigid conductor including a first wire of the same metal as and for attachment to an overhead line and formed to extend alongside of an insulator, a second wire for connection to said conductor and having a gap forming end made of suitable hard metal and extending into such proximity to a metal insulator-supporting part as to form a short air gap and a joining metal sleeve securing said first and second wires together, said sleeve having an integral hook-like extension for engaging under the lower edge of the insulator skirt to fix the conductor thereto to maintain the gap size.

2,560,137
DIAZOTYPE PHOTOPRINTING MATERIAL
Sam C. Slifkin, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 21, 1948, Serial No. 66,570
6 Claims. (Cl. 95—6)

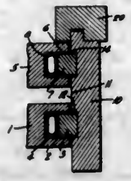
1. Diazotype photoprinting material having thereon a light sensitive layer comprising a light sensitive diazo compound of the paraphenylene diamine series, and as a coupling component, a member of the class consisting of 2,7-dihydroxy-naphthalene-3,6-disulfonic acid and the corresponding sulfonamide.

2,560,138
RENEWABLE FUSE
Kenneth W. Swain, Hampton, N. H., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts
Application January 29, 1948, Serial No. 5,091
12 Claims. (Cl. 200—131)



5. In a knife blade fuse having a casing and having a pair of knife blade terminals projecting out of the casing at the opposite ends thereof each of said terminals having abutment means thereon between its ends, means for mounting a fuse link in electrical connection with said terminals, a slotted disk mounted loosely on the inner end portion of each terminal with said abutment means limiting outward movement of the disks along the terminals, an insulating member connected to and extending between the inner end portions of said terminals, the opposite ends of said insulating member being in the path of inward movements of said disks and constituting the only means limiting inward movements of said disks along said terminals, and means on said casing for effecting movements of said disks relative to said terminals into clamping engagement with the opposite ends of said insulating member.

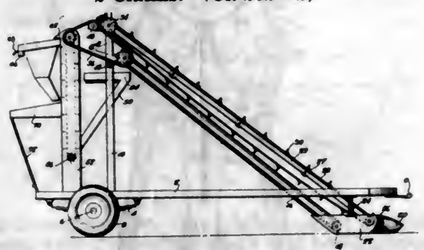
2,560,139
WINDOW FRAME AND SASH ASSEMBLY
Theodore Taxin, Washington, D. C.
Application June 10, 1948, Serial No. 32,224
4 Claims. (Cl. 20—52.2)



1. A window frame and sash assembly comprising a pair of vertical stiles on the opposite sides of the window frame provided with opposed

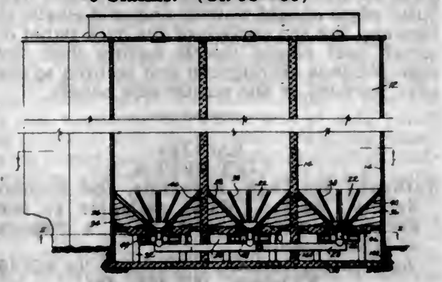
inwardly facing grooves for a window sash movably mounted along said grooves and provided with a friction balance, said sash having a recess extending along a vertical edge thereof, resilient tubing housed within said recess extending along substantially the whole length thereof, and a guiding strip for covering said recess extending therewithin and resiliently pressed outwardly therefrom by said tubing into the groove in the frame adjacent thereto.

2,560,140
DRY WASH ORE SEPARATOR
Horace B. Thayer, Farmington, N. Mex.
Application February 12, 1947, Serial No. 728,059
2 Claims. (Cl. 262—2)



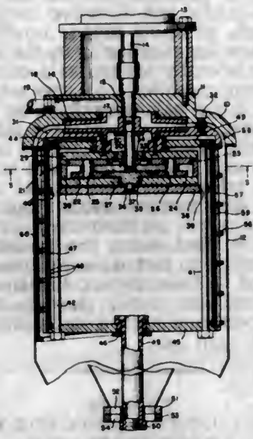
1. In a mobile ore separator adapted to be towed by a vehicle, having a wheeled frame, and a ground engaging support carried by the front end of said frame, the improvement comprising a vertically-disposed support projecting upwardly from the rear of said frame, an elbow pivotally secured to the top of said support, a first inclined conveyor belt extending between the elbow and ground engaging support and operatively connected thereto, a second inclined conveyor belt arranged above said first belt and coacting with the latter for the elevation therebetween of scooped material, a plurality of transverse lugs on said second belt adapted to frictionally engage said first belt, a receiving frame spaced above the rear of said wheeled frame for receiving the scooped material carried by said belts, a vertically-disposed elevator housing supported on the rear of said wheeled frame, an outlet conduit connected to said receiving frame for conveying scooped material from the latter to said elevator housing, and gravity means for receiving scooped material from the top of said elevator housing.

2,560,141
MEANS FOR COOLING AND DRYING GRAIN AND SEED
James F. Tipps, Memphis, Tenn.
Application June 21, 1948, Serial No. 34,333
6 Claims. (Cl. 98—55)



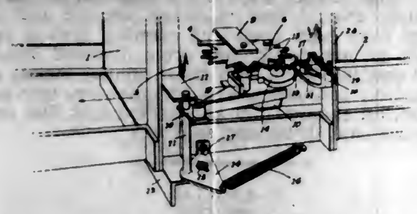
1. Grain drying means for a vertically disposed storage bin, which bin includes walls, a hopper-type floor having a discharge opening, and converging downward from said walls to said opening; said drying means comprising open top channelways formed in said floor, each said channelway respectively having a screen-like cover of mesh to prevent entry of grain into said channelway, said channelways being disposed in spaced relation around, and radiating outward and upward from said discharge opening toward said walls, an annular hollow drum disposed around said opening below said floor, tubular means respectively connecting said channelways into said drum, an exhaust fan and an exhaust flue connecting said drum and said fan.

2,560,142
FILTER
Warren R. Tucker, Dayton, Ohio, assignor, by mesne assignments, to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application March 13, 1946, Serial No. 653,975
4 Claims. (Cl. 210—152)



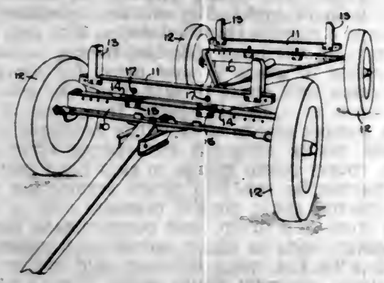
1. A filter unit comprising in combination a casing having a head member at its upper end, a drum within said casing and spaced therefrom, motor means supported by said head member and including a driving shaft extending into said casing through the head member, means including a plurality of gears in said drum for drivingly connecting said shaft to said drum for rotating said drum at a speed reduced from that of the shaft, scraper means stationarily arranged within said casing adjacent but spaced from said drum, rotary pump means in said head member and having its shaft in direct connection with said driving shaft on the opposite side of said gears from said drum, said pump means having its delivery side in direct continuous communication with the space between said casing and said drum whereby liquid to be filtered passes into said space, conduit means from the interior of said drum for the discharge of filtered fluid, said scraper means being operable to scrape off any filter deposit on said drum when the drum rotates in excess of a deposit of a predetermined thickness corresponding to the distance between said drum and said scraping means, discharge means for any scraped off filter material in the lowermost part of the casing, and means for selectively closing and opening the discharge means for discharging the filter deposit.

2,560,143
TRIP UNIT FOR AUTOMATIC BALING MACHINES
Battista A. Vietti, Reno, Nev.
Application November 6, 1950, Serial No. 194,283
5 Claims. (Cl. 100—20)



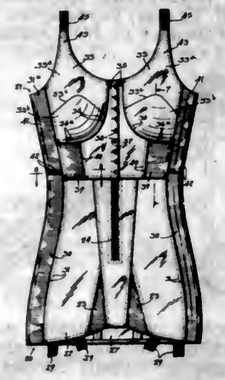
1. In a trip unit, for control of a working part of an automatic baling machine, which includes a reciprocating push bar, a longitudinally shiftable thrust bar laterally swingable between one position clear of said push bar and another position for end to end engagement and longitudinal shifting in one direction thereby, shifting of the thrust arm in said one direction controlling said working part, yieldable means tending to shift the thrust arm longitudinally in the opposite direction and laterally toward said other position, a rotary cam mounted to cooperate with the thrust arm, and a bale engaging star wheel driving the rotary cam; a releasable latch mechanism normally engaging the thrust arm holding the same in said one position, said latch mechanism being releasable upon lateral swinging of the thrust arm further away from said other position, and points on the rotary cam operative, recurringly, to first swing the thrust arm from said one position to further away from said other position, and to then permit the thrust arm to swing back to said other position for engagement, and longitudinal shifting in said one direction, by the push bar.

2,560,144
BOLSTER CONSTRUCTION FOR VEHICLE UNDERCARRIAGES
Daniel W. Voorhees, Quincy, Ill.
Application February 3, 1948, Serial No. 5,930
6 Claims. (Cl. 280—111)



1. In an undercarriage for a vehicle, the combination of a transverse axle adapted to have road wheels journaled at its opposite ends, a bolster extending lengthwise of said axle and overlying the latter throughout a major portion of the axle's length, said bolster being of inverted channel form, a pair of upstanding brackets fixed to said axle at points spaced on opposite sides of the axle's center and slidably received within said inverted channel bolster, said bolster being slidable vertically on said brackets but restrained against fore or aft movement by engagement with the same, and pin and slot connections between said brackets and bolster restraining the latter against endwise displacement and limiting upward tilting movement of said bolster with reference to said axle.

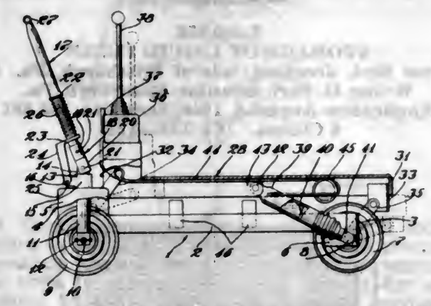
2,560,145
CORSET
George G. Wanish, Cortland, N. Y.
Application June 29, 1949, Serial No. 101,940
1 Claim. (Cl. 2—30)



An openable brassière for an undergarment having a corset including an openable non-elastic front panel and a non-elastic back panel having a top portion projected above the top edge of the front panel with elastic side panels secured between the adjacent side edges of the front and back panels between the top and bottom edges of the front panel, said brassière comprising a pair of spaced breast pockets of non-elastic material having substantially vertically extended outer side edges, a pair of brassière members of non-elastic material having adjacent edges releasably connected together, said brassière members being secured to said pockets along the inner edges and partially along the bottom edges of said pockets and having substantially vertical outer edges depending below said pockets, elastic members connected to the substantially vertical outer edges of said brassière members and the remaining portions of the bottom edges of said pockets, said brassière members and said elastic members having straight bottom edges and their bottom edge portions overlapping the top edge portion of the front panel of the corset, said elastic members having substantially vertical outer edges arranged in continuation of the substantially vertical outer edges of said pockets, and elastic inserts secured between the substantially vertical outer edges of said pockets and said elastic members and the top portion of the back panel of the corset, said elastic inserts having their bottom edge portions overlapping and secured to the top edge portions of the elastic side panels.

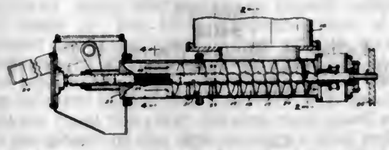
2,560,146
LIFT TRUCK
Nathaniel Warshaw, Brookline, and Richard E. Jeffery, Malden, Mass., assignors to Market Forge Company, Everett, Mass., a corporation of Massachusetts
Application April 27, 1946, Serial No. 665,468
2 Claims. (Cl. 254—10)

1. A lift truck comprising a chassis, rear wheel supports therefor and means for mounting said supports at the rear end of the chassis, front wheel supports therefor and swivel means for mounting said front wheel supports at the front end of the chassis to permit steering, a lifting platform mounted upon said chassis for movement to elevated and lowered positions, the forward edge of the platform being rearwardly offset from the axis of swivel when the platform is in either position, a hydraulic pump mounted at the front end of the platform and aligned with said forward edge of the platform, a hydraulic



ram connecting the rear wheel support mounting means with the platform, the ram being disposed in inverted inclined position with the axis of the ram extending rearwardly and downwardly relative to the platform, and a relatively flexible tube for transferring liquid from the pump to the ram including an intermediate coiled portion for absorbing the slight angular motion of the ram with respect to the lifting platform when the latter is elevated or lowered, whereby operation of the pump will elevate or lower the lifting platform.

2,560,147
PLUG DRAIN FOR SOLVENT EXTRACTION PLANTS
Raymond T. Anderson, Lakewood, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application July 1, 1948, Serial No. 36,543
3 Claims. (Cl. 23—270)

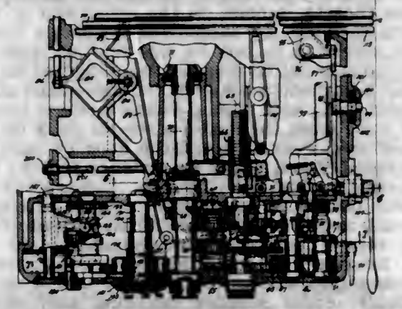


1. Solid material discharge mechanism for a solvent extraction apparatus having a chambered tower wherein a stream of solvent liquid is caused to rise in a chamber through a falling stream of solid particles and wherein the bottom wall of said tower is provided with an aperture through which said solid material is discharged, said discharge mechanism comprising an imperforate tubular barrel communicating at one end with said aperture, the other end of said barrel being provided with choke means yieldably biased towards closed position, a rotatable shaft extending axially within and through said barrel, worm flights fixed on said shaft and arranged to impel through said barrel solid material dropping through said aperture into the receiving end of said barrel, and to increasingly compact and discharge material past said choke means whenever the material-impelling force arising from screw pressure exceeds the choke-closing bias, a portion of said shaft being provided with a longitudinal bore extending from a point adjacent the material discharge end of said barrel to a point adjacent the material-receiving end of said barrel, the wall surrounding said shaft bore adjacent said barrel discharge end being provided with liquid inlet means to permit entry into said bore of liquid expressed from the compacted material adjacent said choke means, the wall surrounding said shaft bore adjacent the material-receiving end of said barrel being provided with a series of peripherally spaced holes, a length of tube communicating with each hole and extending outwardly into said barrel to permit expressed liquid in said bore to return to said barrel.

2,560,148
WAX EMULSION
Karekin G. Arabian, El Cerrito, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 8, 1949, Serial No. 75,313
6 Claims. (Cl. 106—271)

1. A wax emulsion comprising a hydrocarbon wax, water, a water-soluble aliphatic hydroxy polycarboxylic acid and a salt of said acid with hexadecyl amine, the amine being present in an amount between 1 and 10% by weight of said wax, and the acid in free and salt form being present in an amount to provide from 4 to 10 carboxyl groups for each amine molecule.

2,560,149
POSITIONING MECHANISM FOR MACHINE TOOLS
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application March 17, 1947, Serial No. 735,108
15 Claims. (Cl. 90—21)



1. In a machine tool having a base and a carriage movably mounted on said base, propelling mechanism operatively arranged to move said carriage on said base, power driven feed mechanism selectively connectible to said propelling mechanism for driving said carriage at feed rate, trip mechanism operative by movement of said carriage as it approaches a predetermined position to disconnect said feed mechanism from said propelling mechanism, a ratchet adjustably connected to said propelling mechanism, a pawl disposed to engage and actuate said ratchet, power driven apparatus selectively operable to move said pawl for actuating said ratchet, control mechanism operated by said trip mechanism incident to disconnecting said feed mechanism and serving to initiate operation of said ratchet actuating pawl, and tripping means actuated by said ratchet and operative when said carriage arrives at said predetermined position to discontinue op-

eration of said pawl actuating means following a final ratcheting movement that positions said carriage precisely at the said predetermined position, said position being selectively predetermined by adjustment of said ratchet relative to said propelling mechanism.

2,560,150
CLOTHESLINE PROP
James T. Bateman, Norfolk, Va.
Application May 20, 1947, Serial No. 749,298
2 Claims. (Cl. 248—253)

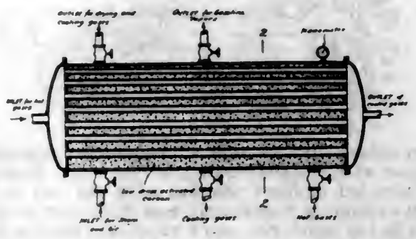


1. A clothes line prop comprising a first tubular section having one end open and having the other end pointed for insertion into the ground, a second section having one end extending into the open end of said first section and mounted for extensile and contractile movement therein, a fitting member having one end adjacent to the other end of said second section and fixedly secured thereto, a hook on the other end of said fitting member for supporting a clothes line, a lever arranged in side by side relation with respect to said fitting member and mounted on the latter intermediate its ends for movement about an axis transverse of said fitting member toward and away from the latter, a second hook on the end of said lever adjacent the hook on said fitting member and facing the latter to thereby lock the clothes line therebetween, hand actuating means positioned exteriorly of and extending through said first named section and connected to said second named section adjacent said one end for effecting the extensile and contractile movement of said second section, and a spring actuable means slidably engaging said second section and engageable with the open end of said first section for holding said second section in any select position of its expansible movement.

2,560,151
METHOD OF COATING ELECTRICAL CONTACT PINS
Anna Margareta Bergö-Heineman, Stockholm, Sweden, assignor to Aktiebolaget Svenska Elektronror, Stockholm, Sweden, a corporation of Sweden
No Drawing. Application February 14, 1947, Serial No. 728,732. In Sweden December 23, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 23, 1964
2 Claims. (Cl. 117—130)

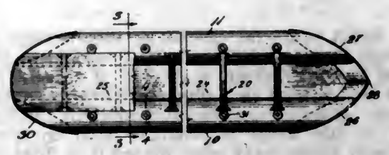
1. The method of producing a surface having good electrical conducting characteristics on contact pins of a chrome-iron alloy sealed in electrical lamp bases by dissociating the chrome oxide layer formed on said pins when said bases are sealed which includes the steps of applying a silver oxide coating to the surfaces of said pins having said chromium oxide layer thereon and applying heat to said coating sufficient to dissociate said silver oxide to silver, to cause said silver to react with the chromium oxide to dissociate same, and to sinter the residual silver onto the surfaces of said contact pins.

2,560,152
STORAGE OF LIQUID FUELS
Ernst Berl, deceased, late of Pittsburgh, Pa., by Walter G. Berl, executor, Pittsburgh, Pa.
Application August 6, 1946, Serial No. 688,681
6 Claims. (Cl. 123—122)



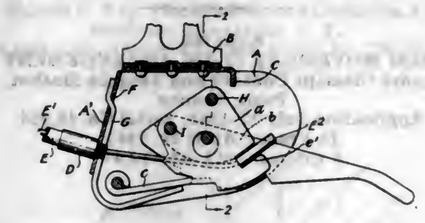
1. A fuel storage and liberating system for use with an internal combustion engine, comprising a tank, a plurality of parallel tubes traversing said tank, an activated adsorbent carbon stored in said tank between said tubes, said activated carbon having an active internal surface of at least 700 square meters per gram and an apparent density not exceeding .2, an inlet to said tank for supplying a volatile liquid fuel to be adsorbed by said carbon, an outlet in said tank passing to an internal combustion engine for the passage of desorbed fuel vapors, and means connected to the exhaust manifold of said internal combustion engine for conducting exhaust gases through said tubes.

2,560,153
SHIP
Luther H. Blount, Warren, R. I.
Application May 13, 1950, Serial No. 161,772
2 Claims. (Cl. 114—65)



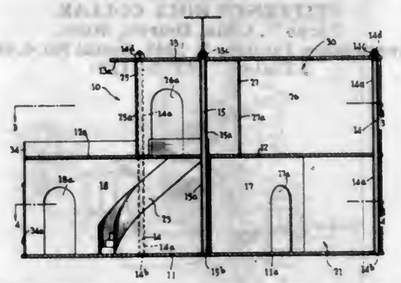
1. A ship comprising an end portion having a pair of substantially parallel spaced cylinders whose axes are in substantially a horizontal plane, said cylinders each having an open end face disposed at an angle to said horizontal plane and at an angle to the axis of the cylinder, a side wall contacting each end face and closing said cylinder and extending inwardly of the corresponding cylinder to join the opposite side wall at a distance substantially midway between said cylinders, and a bottom wall attached to said cylinders and engaging said side walls thus closing the end portion of the ship.

2,560,154
CONTROL LEVER MECHANISM
William Brown, Nottingham, England
Application April 2, 1949, Serial No. 85,199
In Great Britain April 26, 1948
4 Claims. (Cl. 74—487)



1. Control lever mechanism of the kind comprising a bracket, a stepped quadrant pivoted thereto, a spring-loaded pawl adapted to engage the steps of the said quadrant, means for attaching to the quadrant an operated member (such as a cable) and means for turning the said quadrant about its pivot so as to draw on, or release, the operated member, such latter means consisting of a second or operating stepped quadrant with a manually-operable handle or extension, and a pin-and-aperture connection between the two quadrants permitting limited relative movement and so arranged that in the normal position, the top of the steps of the periphery of the second or operating quadrant are below the periphery of the first quadrant, permitting normal ratchet engagement of the pawl with the steps of such first quadrant during movement to draw on the operated member and so that upon movement of the operating quadrant in the other direction, while the first quadrant is held by the pawl, the second or operating quadrant moves to project its stepped edge relatively beyond that of the first quadrant so as ultimately to lift the pawl out of engagement with the step of the first quadrant while presenting one of its steps for engagement with the pawl, such step being so placed relative to the steps of the first quadrant that it holds against the pawl until return of the operating quadrant to its normal position relative to the first quadrant, which movement withdraws such step relative to the first quadrant and finally disengages from the pawl, leaving such pawl against the periphery of the first quadrant and ready for engagement with the next step of the first quadrant as the latter is pulled round by the operated member, whereby a separate movement of the second quadrant is required to bring each step of the first quadrant into engagement with the pawl, characterised in that the stepped portion of the operating quadrant is made of such proportions relative to the first quadrant that when the operating quadrant is in its normal position its periphery at the base of each step of the first quadrant is beyond that of the first quadrant so as to be engaged by and determine the inward position of the pawl while the pawl is engaged with any one step face in the first quadrant, whereby the pawl holds the operating quadrant at the extreme normal position of pin-and-aperture engagement relative to the first quadrant to prevent movement, while the step face of the first quadrant engaged with the pawl determines in known manner the angular position of such quadrant about its pivot.

2,560,155
TOY HOUSE CONSTRUCTION
Joseph Brunetti, Carlstadt, N. J., assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J., a corporation of New Jersey
Application April 9, 1948, Serial No. 19,929
4 Claims. (Cl. 46—12)



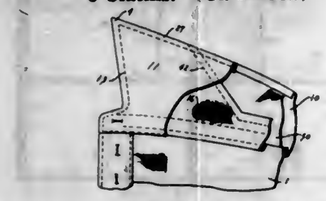
1. A knockdown toy play house construction of the character described suitable for furnishing with miniature furniture comprising a plurality of horizontally disposed flat members positioned in separated superimposed relation to form ground and intermediate floors and a roof, a plurality of spaced apart stanchions upstanding from a peripheral portion of said ground floor member removably supporting said other members in said separated relation, a center stanchion upstanding from said ground floor member uniformly spaced from said peripheral stanchions for removably supporting midsections of said members and roof, detachable partitions extending between said members for dividing spaces therebetween into room sections each with a full opening communicating with the exterior to permit full view of and access to each room section, a flexible sheet of transparent material having clips thereon for engaging two of said peripheral stanchions, said sheet being positioned to serve as an outer wall portion for one of said room sections and formed with a simulated front door for said house construction, at least two of said members being circular in shape, said roof being segmentary shaped to provide an open deck space on the underlying intermediate circular member, two of said stanchions being positioned in an aligned relation with respect to the straight side of the roof member, and an exterior wall partition extending from the underside of the roof member to the deck between said two stanchions.

2,560,156
METHOD OF SEPARATING CARBOXYLIC ACIDS RESULTING FROM THE LIQUID PHASE OXIDATION OF OLEIC ACID
Robert Morris Cavanaugh and Robert Howard Weir, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 18, 1947, Serial No. 792,600
7 Claims. (Cl. 260—485)

7. In the separation of the carboxylic acids resulting from the oxidation of oleic acid by means of nitric acid, the method of obtaining esters of suberic and azelaic acids which comprises removing completely the water and nitric acid from the reaction mixture by distillation under reduced pressure, subsequently distilling off the monocarboxylic acids and the lower dicarboxylic acids under reduced pressure, esterifying the residual higher boiling dicarboxylic acids by means of a normally liquid aliphatic alcohol,

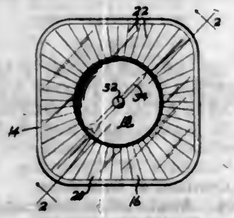
fractionally separating by distillation the resulting mixture of esters, and obtaining in substantially separated form the esters of suberic and azelaic acids respectively.

2,560,157
STIFFENED ROLL COLLAR
Jacob V. Cohn, Detroit, Mich.
Application January 9, 1948, Serial No. 1,409
5 Claims. (Cl. 2—132)



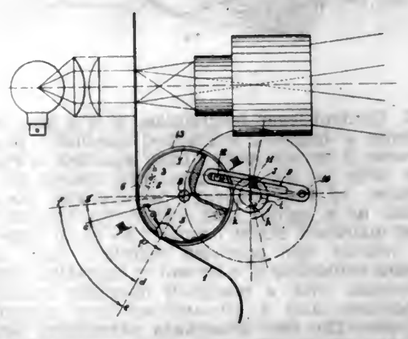
2. In a garment with roll, fold-over collar of the type having an opening at the front and two wings or points extending from the opening, in which each of said wings extend upwardly from the opening and then downwardly and outwardly to form a top edge of the collar, the improved construction which comprises an outside fabric, a liner fabric substantially coextensive with said outside fabric, a flexible fabric insert having one side extending along the front edge of one of the wings from the said opening to the corner thereof, said side being attached to the collar adjacent said edge and a second side extending and attached parallel to the top edge of said collar, and said insert having a third side which is cut on a bias and extends from a point adjacent the corner of the wing diagonally away from the corner and toward the said top edge of the collar, said insert being cut so that the direction of greatest strength of the fabric is parallel to the top edge of the collar, said coextensive liner being cut so that the direction of greatest strength of the fabric from which it is cut is substantially perpendicular with respect to the direction of greatest strength of the bias-cut insert.

2,560,158
SPINNING INDICATOR AMUSEMENT DEVICE
Frank Cook, Leominster, Mass.
Application March 1, 1950, Serial No. 146,974
1 Claim. (Cl. 273—141)



A spinning game and container therefor comprising a flat box having a flat bottom, a card flatly mounted on the bottom of the box and facing upwardly, said card having game indicia thereon, a transparent cover for the box embracing the side walls of the latter and completely covering the box and card therein, a relatively large concave depressed portion in the central part of the cover, the said depressed portion extending toward but stopping short of the card, the central bottom part of the depression having a hole therein, a spinner shaft journalled in the hole, a knob on the shaft at the exterior side of the cover, a spinner arrow on the shaft at the interior end thereof, said arrow being parallel to and closely arranged with respect to the card, said knob being of a size to be wholly below the surface of the non-depressed portion of the cover, and said knob preventing the spinner arrow from contacting the said card.

2,560,159
FILM MOVEMENT CLAW ARRANGEMENT
André Clément Coutant and Jacques Mathot, Paris, France
Application July 27, 1948, Serial No. 40,924
In France April 24, 1947
6 Claims. (Cl. 88—18.4)

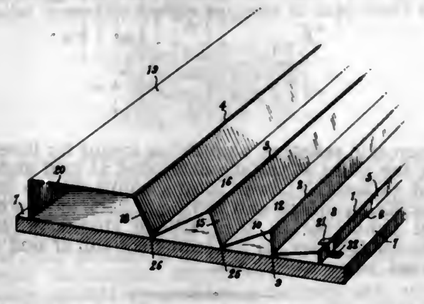


4. A driving mechanism for film having a row of perforations for moving the film intermittently along a predetermined path, comprising an oscillatable member disposed adjacent the path of said film, a pawl hingedly mounted on said oscillatable member and carried back and forth by the movement of said member, a spring pressing the pawl into engagement with the perforated portion of the film, a lever for oscillating said oscillatable member, said lever being swingable about a fixed pivot spaced from the oscillatable member in a direction approximately perpendicular to the direction of movement of the film, and a crank pin rotatable at a constant speed in a circle about a fixed axis parallel to the axis of said fixed pivot and pivotally engaging the lever to swing it in an arc about said fixed pivot, and thereby impart oscillatory movement to said oscillatable member, sliding connections being provided to permit relative movement of the lever, the fixed pivot and the crank pin, whereby the effective lever arm between the fixed pivot and the point of engagement of the crank pin with the lever is greater when the crank pin is on the far side of its orbit from said fixed pivot than when the crank pin is on the near side of its orbit, the angular speed of the lever varying inversely with the length of said lever arm.

2,560,160
STABILIZATION OF POLYMERIC RESINS WITH BISMUTH SALTS
Franz Sam Deutsch, Richmond, and Leonard Harvey Pocock Weldon, Hughenden, Cart Bridge, Send, England, assignors to British Resin Products Limited, London, England, a British company
No Drawing. Application April 12, 1948, Serial No. 20,604. In Great Britain April 23, 1947
10 Claims. (Cl. 260—45.75)

1. A heat-stable resinous composition, comprising a synthetic resin selected from the group consisting of vinyl chloride polymers and vinylidene chloride polymers, and a miscible bismuth salt of an organic carboxylic acid in an amount of 0.5% to 10% by weight of said resinous composition in homogeneous admixture therewith.

2,560,161
RACK OR TRAY FOR SHELVES
Harold C. Fay, Floral Park, and Cornelius J. Donovan, Bronxville, N. Y.
Application October 1, 1946, Serial No. 700,584
2 Claims. (Cl. 211—72)



2. A rack or tray for shelves comprising, a tray having a plurality of steps provided with inclined supporting surfaces upon which articles are rested, said steps being connected by risers disposed substantially at right angles to the supporting surfaces, the risers progressively increasing in height from the front of the tray to the rear of the same, the front and rear of the tray being provided with down-bent flanges upon which the tray is supported, the rear flange being of a height only slightly more than the height of the front flange, the junctions between the lower ends of the risers and the rear ends of the supporting surfaces being in horizontal alignment with the lower edges of the flanges so that said junctions rest against the surface upon which the rack is supported.

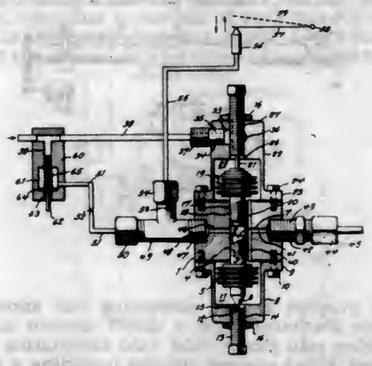
2,560,162
NEEDLE STRUCTURE
Garwood W. Ferguson, Paterson, N. J., assignor to Becton Dickinson and Company, Rutherford, N. J., a corporation of New Jersey
Application February 10, 1950, Serial No. 143,399
4 Claims. (Cl. 128—221)



1. A needle structure including a cannula formed with a piercing point at one end, bevel surfaces extending rearwardly from said point and presenting a line of merger, a further surface extending obliquely from said bevel surfaces rearwardly across the cannula, a heel portion at the rear end of said oblique surface and a depression formed in the heel portion.

2,560,163
AIR RELAY DEVICE FOR PRESSURE CONTROLLED SYSTEMS
Otto Fischer, Corona, N. Y., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application September 17, 1946, Serial No. 697,455
12 Claims. (Cl. 137—153)

1. A relay comprising a casing having a pair of chambers, a bellows in each chamber, said chambers having a common outlet, a duct communicating with the inside of both of said bellows, a tube communicating with said chambers and adapted to be connected to a fluid pressure supply, a valve in said tube interposed between said chambers and said supply and connected to one of said



bellows, an outlet valve in said second chamber and connected to said second bellows, whereby variations in pressure in said duct cause movement of said pair of bellows and operation of said valves, a connection between said supply and said duct and tube to furnish said fluid to said chambers and bellows.

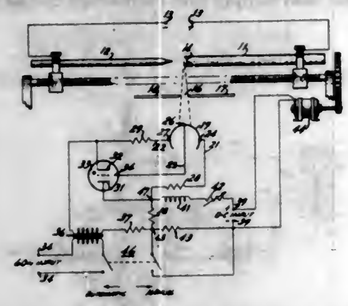
2,560,164
FRIEDEL-CRAFTS TREATMENT OF UNSATURATED POLYMERS
John D. Garber, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 28, 1946, Serial No. 719,112
8 Claims. (Cl. 260—85.3)

1. The chemical process consisting essentially in dissolving in about 15 to 35% concentration in an inert solvent a viscous to solid moderately high molecular weight polymerization product selected from the group consisting of polymers of a multi-olefin having 4 to 14 carbon atoms, and copolymers of at least 50% of such multi-olefins with a comonomer selected from the group consisting of a mono-olefin having 3 to 20 carbon atoms and styrene, and treating the resulting solution with 0.1% to 10% of a Friedel-Crafts active metal halide catalyst, in the absence of any polymerization monomers, at a temperature of —50° C. to 100° C. to raise the melting point and improve the toughness of said polymerization product without significant change in molecular weight.

2,560,165
CARBON ARC FEED
Raymond L. Garman and John K. McKendry, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York
Application October 26, 1950, Serial No. 192,214
10 Claims. (Cl. 314—63)

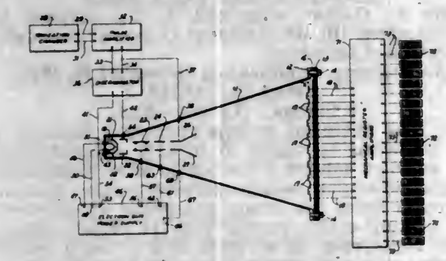
1. A control system for maintaining the electrode crater of an arc lamp at a fixed position in space comprising, a pair of photosensitive elements, means for varying the relative illumination of said photosensitive elements in accordance with the position of said electrode crater, a gas discharge tube, means interconnecting said pair of photosensitive elements and the electrodes

of said gas discharge tube for varying the grid cathode potential thereof in response to the relative illumination of said pair of photosensitive elements, a motor including a direct current field connected to advance said arc electrode, an alter-



nating current circuit energizing the anode of said gas discharge tube, a direct current circuit energizing said motor field, said alternating current and direct current circuits including a common series resistor.

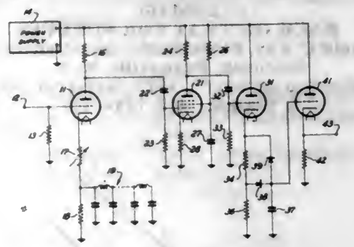
2,560,166
PULSE ANALYZER
William E. Glenn, Jr., Birmingham, Ala., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application January 14, 1949, Serial No. 70,865
5 Claims. (Cl. 235—92)



1. A pulse analyzer for sorting and counting pulses of voltage comprising an evacuated envelope having an electron gun disposed at one end thereof, means for supplying operating voltages to said electron gun, means for normally maintaining said electron gun inoperative, means responsive only to the peak value of a pulse to be analyzed for rendering said electron gun operative to project an electron beam therefrom, means for deflecting said electron beam in accordance with said pulse, and means for determining the degree of deflection as a function of the peak value of said pulse.

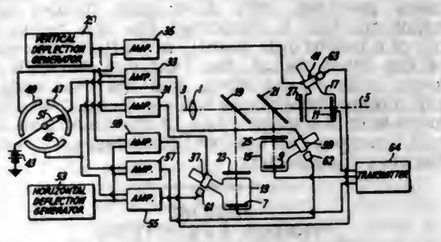
2,560,167
PULSE SHAPING CIRCUIT
William E. Glenn, Jr., Berkeley, Calif., assignor to the United States of America, as represented by the United States Atomic Energy Commission
Application November 22, 1949, Serial No. 128,772
5 Claims. (Cl. 250—27)

1. A pulse shaping circuit comprising an electron tube having at least an anode, a control grid, and a cathode, source means connected to said anode for applying an operating voltage thereto, means for impressing a signal pulse of voltage on said control grid, a circuit network connected to said cathode and including a pair of series resistors with one end of an open circuit artificial transmission line connected to the junction be-



tween said resistors, amplifying means for inverting the pulse of voltage developed at said anode, and cathode follower means connected to said amplifying means and having a diode gating circuit connected in the cathode circuit of said cathode follower for flattening the top of said inverted pulse of voltage.

2,560,168
COLOR TELEVISION SYSTEM
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1946, Serial No. 719,349
7 Claims. (Cl. 178—5.2)



1. A color television system employing a number of different component colors and comprising in combination a plurality of image areas, means including scanning beams for scanning each of said image areas in recurring field scanning sequences, said image areas having elements with a decay time greater than the time interval occupied by a single scanning sequence, means to present on said image areas formed component color images of each of the component colors substantially at all times as elements of said color images, and means to control the separate scanning of said areas in selected order to prolong the optical and electrical effects at the target areas thereof accordingly.

2,560,169
MICROSCOPE ADJUSTMENT MECHANISM
Albin A. Gradisar, Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application June 29, 1946, Serial No. 680,446
5 Claims. (Cl. 88—39)

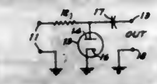
4. The combination of a first supporting member, a second supporting member, guide means interconnecting said members, and an adjustment mechanism associated with said members

for selectively changing the relative positional relation therebetween, said adjustment mechanism comprising bearing surfaces carried by one of said members, rotatable means including a rotatable shaft supported by said bearing surfaces, means connected to the other of said members and operatively engaged by said rotatable means for actuation thereby, a pair of control knobs carried by said rotatable shaft for actuating same and causing relative movement between said supporting members, said knobs being disposed at opposite sides of the supporting member carrying said bearing surfaces, with one of said knobs normally fixedly secured to said shaft and



the other screw-threaded thereon, laterally shiftable wedge means positioned between said shaft and an overlying portion of the last mentioned knob and shiftable relative to the latter into firm frictional engagement with said shaft and said overlying portion so as to normally prevent rotational movement therebetween, and resilient means operatively positioned between said rotatable means and the supporting member therefor, said resilient means providing frictional resistance to the rotation of said rotatable means, said frictional resistance being variable by rotation and axial movement of one control knob relative to the other.

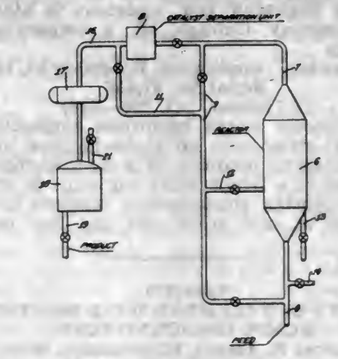
2,560,170
VOLTAGE DIVIDING CIRCUIT
John W. Gray, White Plains, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application November 3, 1948, Serial No. 58,139
8 Claims. (Cl. 250—27)



1. In a voltage dividing circuit for dividing a first voltage by a second voltage, an attenuating circuit comprising a high resistance and a thermionic tube having at least a cathode and electron collecting electrode connected in series, means for impressing an alternating current voltage representative of said first voltage and a unidirectional voltage representative of said second voltage across said alternating circuit, and means coupled to said electron collecting electrode for deriving an alternating output voltage which is proportional to the voltage existing between said cathode and electron collecting electrode.

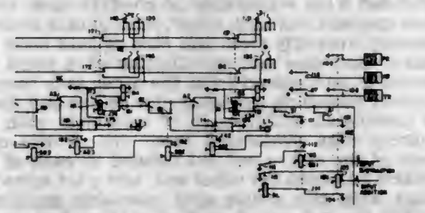
2,560,171
SYNTHESIS OF ORGANIC COMPOUNDS
Luther R. Hill, Ridgewood, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application March 3, 1947, Serial No. 731,899
3 Claims. (Cl. 260—449.6)

1. A process for producing organic compounds which comprises introducing a feed mixture comprising hydrogen and carbon monoxide in a mol ratio of hydrogen to carbon monoxide between about 0.7:1 and about 10:1 into a reaction zone, passing a gaseous mixture upwardly through said reaction zone at a velocity between about 0.5 and about 40 feet per second in the presence of a finely divided fluidized catalyst under conditions such that a major proportion of said carbon monoxide is converted, maintaining in said reaction zone a temperature between about 350° F. and about 750° F. and a pressure between about 50 and about 500 pounds per square inch gage, withdrawing a gaseous effluent from said reaction zone, recycling a portion of said gaseous effluent whose temperature is not lower than about 100° F. of the effluent temperature to said feed mixture



which feed has a temperature between about atmospheric and about 150° F. in a volumetric ratio of recycle gas to fresh feed between about 1:1 and about 2:1, introducing hot regenerated catalyst into the resulting mixture of recycle gas and fresh feed whereby the temperature differential between catalyst and feed gases is decreased and catalyst is returned to said reaction zone, subsequently cooling and condensing unrecycled effluent and separating organic products therefrom as products of the process.

2,560,172
BINARY BINOMIAL SEQUENTIAL ANALYZER
Roy W. Jones, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 31, 1948, Serial No. 18,265
14 Claims. (Cl. 235—61)



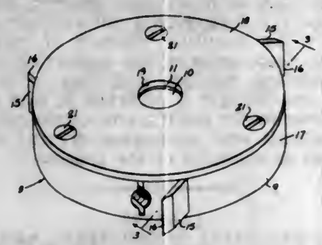
12. In a binary calculating device, a set of keys each having a normal and an operated position, each key being individual to a different binary digit order in a binary number, register relays for registering binary numbers, each register relay being individual to a different one of said keys and to the corresponding binary digit order, a series chain circuit including said keys interconnecting said register relays in a predetermined order corresponding to said binary digit order, certain of said keys being manually set in their operated positions in accordance with an additive binary number, means for electrically transmitting additive inputs to said device, and circuit means connected to said series chain circuit operative in response to each additive input received

for operating said register relays in accordance with said operated keys to cumulatively add said additive binary number to a previous registered binary number.

2,560,173
CONDENSATION OF ALKYL ARYL ETHERS WITH ALPHA-HALOGEN ALKANALS
Carl E. Johnson, Hammond, and Chester E. Adams, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 27, 1948, Serial No. 67,548
13 Claims. (Cl. 260—338)

1. A process which comprises contacting an aryl alkyl ether with an alpha-halogen alkanal and a catalytic quantity of a hydrocarbon sulfonic acid at a temperature sufficient to effect a water-producing condensation reaction between two mols of said ether and one mol of said alkanal.

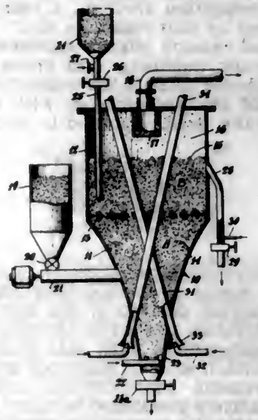
2,560,174
ROTARY CUTTERHEAD WITH MULTIPLE BLADE CLAMPING DISK
George R. Jorsch, Rhinelander, Wis.
Application June 25, 1948, Serial No. 35,074
1 Claim. (Cl. 144—231)



A moulding cutter head comprising a cylindrical solid body, a clamping disc superimposed upon said body and secured thereto, there being a center hole extending through said disc and said body for receiving a saw arbor, said body being provided with a plurality of chordal open ended slots spaced from each other, each of said slots extending inwardly from the face of said body adjacent said disc and terminating at a point adjacent to and spaced from the other face thereof, a cutter including a cutting edge on one end thereof positioned within each of said slots with the cutting edge projecting from one of the open ends of the slot, a cut out formed in each of the cutters adjacent the other end, and a set screw coaxial with the cutter and rotatably positioned within the cut out of each of said cutters and in threaded engagement with an internally threaded portion formed on said body inwardly of the other end of each of said slots.

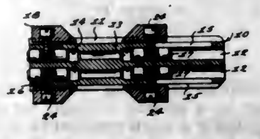
2,560,175
FLUIDIZING REDUCTION OF ZINC COMPOUNDS WITH STAGEWISE FEEDING OF SOLIDS
John C. Kalbach, New York, N. Y., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application May 12, 1948, Serial No. 26,484
9 Claims. (Cl. 75—26)

8. In the stagewise reduction of a solid inorganic oxygen-containing compound of zinc by reaction with a solid carbonaceous reducing agent, both of said reacting solids being in comminuted form and being introduced into the first reducing stage, under fluidizing conditions for the recovery of zinc, wherein said reacting solids and the resulting reaction gases concurrently



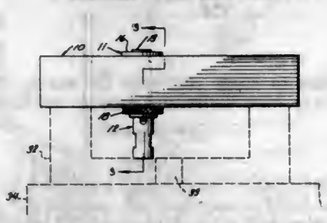
move successively through a series of fluidized reducing stages with substantially no back-flow of said reacting solids from any stage to any preceding stage of said series, the improvement of introducing additional solid carbonaceous reducing agent in comminuted form into a stage subsequent to the first stage of said series.

2,560,176
CHAMFER GAUGE
Frederick W. Kessler, Springfield, Mass.
Application May 13, 1949, Serial No. 93,086
2 Claims. (Cl. 33—168)



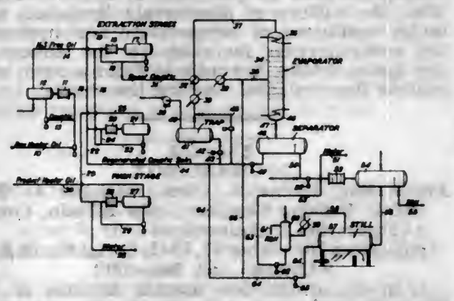
1. An adjustable gauge comprising an elongated rectangular body having a straight side edge and a bore extending longitudinally therethrough substantially parallel to said straight side edge, said body also having in said straight side edge a groove extending longitudinally of said body and substantially parallel to said bore and an elongated slot between said groove and said bore near one end of said body and a screw hole between said groove and said bore near the other end of said body, two elongated nuts disposed in said bore one underlying said slot and the other underlying said screw hole, two gauge blocks disposed on said straight side edge of said body and each having a screw hole therethrough and a tongue slidably received in said groove, the tongues holding the blocks against rotational movements relative to said body while providing freedom of sliding movement of one of said blocks longitudinally of said body, a screw extending through one of said gauge blocks and the screw hole in said body and threaded into the corresponding nut to fix said one gauge block in position near the adjacent end of said body, and a screw extending through the other gauge block and said slot and threaded into the corresponding nut to hold said other gauge block in selected positions of adjustment longitudinally of said body, the straight side of said rectangular body and the mutually opposed end surfaces of said gauge blocks constituting cooperating working surfaces for measuring chamfer on the end of a cylindrical work piece.

2,560,177
FLUSH PIN GAUGE
Frederick W. Kessler, Springfield, Mass.
Application August 5, 1949, Serial No. 108,794
2 Claims. (Cl. 33—169)



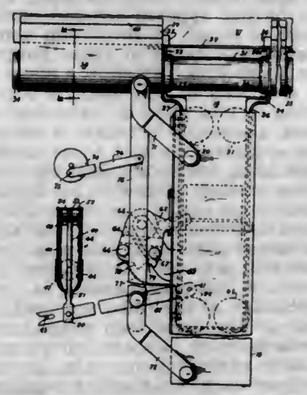
1. A flush pin gauge comprising a gauge bar provided with a longitudinally extending slot intermediate its ends, a sleeve extending through said slot and having one end secured to said bar, a cylindrical plug having a bore open at one end and closed at the other end slidably received within said sleeve, the bore of said plug having internal threads inwardly from its open end and terminating at a point spaced from its closed end, the threads extending radially with respect to the axis of said bore, a pin having one end extending into the open end of said bore with its other end positioned adjacent to and spaced from said open end thereof, said pin having external threads intermediate its ends to thereby form an intermediate threaded portion in threaded engagement with said internal threads on said bore, and a head arranged adjacent the other end of said pin and having one end secured to the other end of said pin, the other end of said head being provided with two stepped surfaces spaced apart longitudinally of the longitudinal center line of said pin.

2,560,178
REGENERATING MERCAPTAN SOLVENT
Jack H. Krause and Theodore B. Tom, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 25, 1949, Serial No. 101,476
3 Claims. (Cl. 196—32)



1. The method of removing mercaptans from a petroleum distillate which is higher boiling than gasoline and is within the kerosene to heater oil boiling range, which method comprises extracting said distillate at a temperature in the range of about 80° to about 100° F. with a solution of potassium hydroxide in water and methanol wherein the weight ratio of potassium hydroxide to water is in the range of 50:50 to 65:35 to give an aqueous potassium hydroxide solution which contains at least 50 but not more than 65 per cent potassium hydroxide by weight and wherein the methanol to aqueous potassium hydroxide volumetric ratio is greater than 15:100 but less than 60:100, separating aqueous potassium hydroxide methanol extract from extracted distillate and regenerating said extract by distilling at a temperature in the range of 130° to 300° F. to remove a part but not all of the methanol, without removing any substantial amount of water or mercaptans and without addition of water in liquid or vapor state, to reduce the methanol content below 15 volumes but not below 5 volumes per 100 volumes of aqueous potassium hydroxide, separating the hot residual liquid from the distillation step into a concentrated aqueous potassium hydroxide phase and a potassium mercaptide phase, withdrawing said aqueous potassium hydroxide phase, adding condensed methanol thereto and returning the resulting aqueous potassium hydroxide methanol solution for further extraction of hydrocarbon distillate.

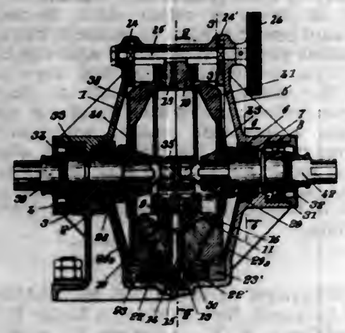
2,560,179
WINDOW ACTUATING MECHANISM
Basil Lermont, New York, and Leslie R. Birdsall, Sloatsburg, N. Y., assignors, by mesne assignments, to Eastern Metals Research Co., Inc., New York, N. Y., a corporation of New York
Application December 5, 1947, Serial No. 789,906
9 Claims. (Cl. 16—197)



2. A panel operating mechanism comprising a fixed supporting and guide element, a carriage for supporting a closure panel movable along said guide element, means restraining said guide element and carriage against relative rocking movement, braking means mounted on said carriage for movement into and out of engagement with said guide element, manually operable means for moving said braking means into and out of engagement with said guide means, a rotary member, a spirally coiled spring wound on said rotary member and having its inner end connected to said rotary member, a member supporting said rotary member for rotation about its axis, and means connecting said supporting member in fixed relation to said carriage, and the outer end of said spring in fixed relation to

said supporting and guide elements to cause said spring to unwind from said rotary member as said carriage is moved in one direction along said supporting and guide element, said spring winding upon said rotary member as said carriage moves in the opposite direction along said supporting guide element.

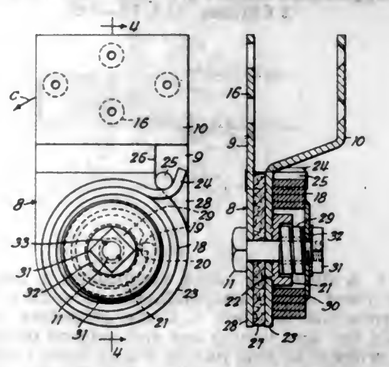
2,560,180
CHANGE-SPEED DEVICE
Jules Lesueur, Sevres, France
Application May 8, 1945, Serial No. 592,581
In France January 17, 1942
5 Claims. (Cl. 74—191)



1. A change speed gear which comprises, in combination, a frame, a driving disc and a driven disc journalled in said frame coaxially with each other and having opposed friction surfaces, of general conical shape, of revolution about their common axis, a plurality of yokes journalled in said frame about axes located in a plane at right angles to said axis of the discs, a plurality of axles carried by said yokes at right angles to the axes thereof, a plurality of rollers of general conical shape mounted on said axles respectively, said rollers being interposed between said discs in tangential contact therewith for transmission of movement from one to the other, the generatrices of said conical disc and roller surfaces being shaped to ensure practically punctual contact of said rollers with said discs at distances from the common axis of said discs variable as a function of the inclination of the roller axes with respect to said axis of the discs, said yokes having peripheral pointed ends, two annular parts coaxial with said discs slidably mounted in said frame at a distance from each other, with the pointed ends of said yokes caught between said annular parts, and means for sliding said annular parts simultaneously in said frame parallelly to the axis of said discs.

2,560,181
RESILIENT BACK SUPPORT FOR RECLINING LOUNGE CHAIRS
Edward M. Morvice, Rockford, Ill.
Application January 10, 1947, Serial No. 721,171
10 Claims. (Cl. 155—164)

1. In a reclining chair, a main frame, a back frame adapted to be pivotally connected to said main frame, and a pair of coaxial, self-contained, hinge units defining the pivotal axis for and supporting said back frame, at least one of said units comprising a flat stationary bracket fixed to the main frame, a flat pivotal bracket fixed to the back frame, a bolt pivotally connecting said brackets in overlapped relation, a spiral torsion spring made of flat strip material of appreciable width closely coiled, disposed substantially concentric with said bolt and interconnecting said brackets at its inner end in radially spaced relation to said pivot and yieldingly resisting pivotal movement of the pivotal bracket in one direction, friction means between the brackets for resisting pivotal movement of the pivotal bracket in either direction, said torsion spring by virtue of its inner



end being anchored in radially spaced relation with respect to the pivot bolt defining a substantially cylindrical chamber around said bolt adapted to house a short coiled compression spring, a short coiled compression spring surrounding the bolt in said chamber, and a plate mounted on the outer end of said bolt as a closure for said chamber and to retain both springs against displacement relative to the bolt and compress the compression spring so as to obtain a resilient braking pressure on the friction means.

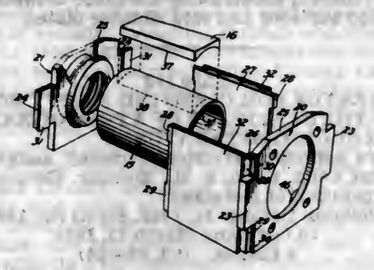
2,560,182
PREPARATION OF BLUE-VEINED CHEESE
Frank Eugene Nelson and Isaac I. Peters, Ames, Iowa, assignors to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa
No Drawing. Application January 19, 1948, Serial No. 3,176
8 Claims. (Cl. 99—116)

1. In a process for preparing a blue-veined cheese from pasteurized milk, the steps of subjecting the milk to the action of lipase obtained from the culture of *Mycotorula lipolytica*, and under conditions of temperature and hydrogen ion concentration favorable to the action of the lipase, setting the milk to form a curd, separating the curd, and ripening the cheese.

2,560,183
JOURNAL BOX
Frank Noe, Plainville, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application November 17, 1948, Serial No. 60,550
9 Claims. (Cl. 308—180)

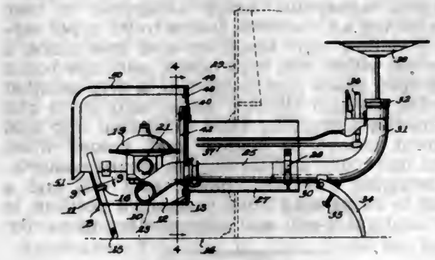
1. In an antifriction bearing housing of the character indicated, a longitudinally extending sleeve within which antifriction bearing means is to be supported, a saddle on said sleeve for sustaining a radial load, an end plate secured to each end of said sleeve and having projections

radially outward of said sleeve, each said end plate having a bore in which said sleeve is received,



and side plates on opposite sides of said sleeve and including means engaging said projections.

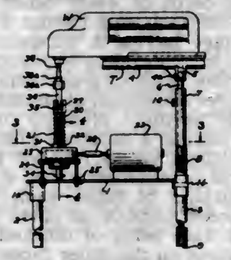
2,560,184
GAS-FIRED CONVERSION BURNER
Edward A. Norman, Jr., Columbus, Ohio, assignor to Norman Products Company, Columbus, Ohio, a corporation of Ohio
Application August 25, 1948, Serial No. 46,027
3 Claims. (Cl. 158—7)



1. A casing structure for gas-fired conversion burners of the type employing fuel flow control valves, a burner head for insertion within a furnace, and a gas-supplying conduit extending from said control valves to said burner head, said casing structure embodying a main box-like section formed for the reception of the control valves and a part, at least, of said conduit, said section opening to the atmosphere through at least one of the walls thereof, a vertical back wall for said main section having a fixed opening formed therein and through which said gas-supplying conduit extends, an air-flow conduit leading from the opening in said back wall to said burner head and housing said gas-supplying conduit, adjustable shutter devices carried by said back wall and movable with respect to the opening therein for controlling the passage of air from said main section into said air-flow conduit, and linearly disposed guides provided on said back wall for the slidable reception of said shutter devices.

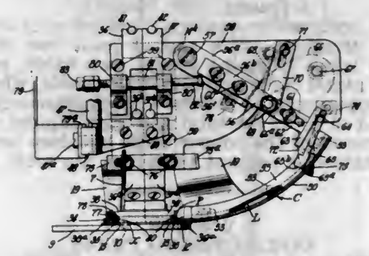
2,560,185
TESTING MACHINE FOR WASHING MACHINE WRINGERS AND THE LIKE
Alfred R. Oberwegner, Los Angeles, Calif.
Application August 21, 1946, Serial No. 691,898
9 Claims. (Cl. 74—16)

1. In a testing machine of the class described, a frame, a drive shaft rotatable thereon, a motor on the frame, means for operatively connecting the motor to the drive shaft, and a support mounted on the frame and spaced laterally with respect to the axis of the drive shaft and adjustable on the frame in a direction parallel to the axis of the shaft, for supporting the article to be tested, said article having a downwardly extending drive means adapted, when the article



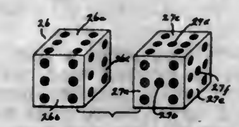
is supported on the support, to be aligned with the drive shaft, the latter having means for readily detachably connecting the shaft to the drive means of said article.

2,560,186
LABEL FEEDING AND HOLDING MEANS FOR SEWING MACHINES
George J. Plopper, Utica, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 2, 1949, Serial No. 85,192
11 Claims. (Cl. 112—104)



2. The combination with a group stitching machine having a work-support and stitch-forming mechanism; of a clamp device constructed and arranged to hold a workpiece on said work-support and to hold a label in position to be attached to said workpiece by said stitch-forming mechanism; a label chute extending transversely of said work-support; means including a pivotally mounted gravity actuated arm having a pivotally mounted gravity actuated shoe tracking said chute for feeding a label down said chute and into sewing position in said clamp device; a latch device holding said arm in raised position; and a manually actuated finger piece for tripping said latch, thereby rendering said arm effective to feed a label.

2,560,187
COMBINATION CARD AND DICE GAME
Durrel E. Post, Gates Mills, Ohio
Application May 3, 1946, Serial No. 667,166
2 Claims. (Cl. 273—146)



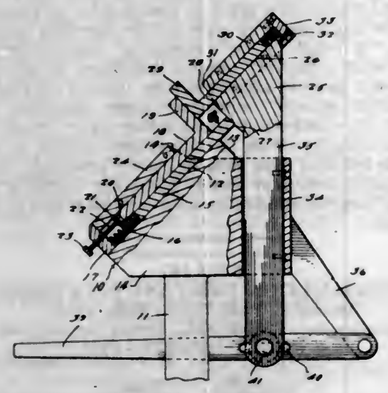
1. A combination card and dice game comprising a plurality of suits of playing cards, each

suit having a plurality of cards, each card of a particular suit having a different number of spots of a particular color, the spots on cards of each suit being of different color from the color of the spots on cards of every other suit, and a die member for each suit having a plurality of faces, each face having a different number of spots thereon corresponding in number and color to the respective cards of a particular suit, combined with three additional die members, namely, a die member having a plurality of faces, each face thereof having a different number of spots thereon corresponding in number and color to different cards of different suits, a die member having a plurality of faces, each face thereof having the same number of spots thereon, the spots on each face being of different color from the color of spots on the other faces whereby the spots on each face correspond in number and color to like cards of different suits, and a die member, each face thereof having the same number of spots thereon, certain of the spots on each face corresponding in color to one suit, and certain of the spots on each face corresponding in color to a different suit.

2,560,188
CERAMIC COMPOSITIONS
Daniel Rosenthal, Brooklyn, N. Y.
No Drawing. Application August 18, 1947, Serial No. 769,317
5 Claims. (Cl. 106—42)

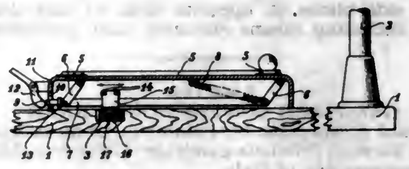
1. A composition material consisting of copper oxide, titanium oxide and at least two of the oxides taken from the group; iron oxide, cobalt oxide, nickel oxide and chromium oxide, wherein the copper oxide is present in approximately five percent (5%) of the total and the titanium oxide is in excess of the copper oxide but does not exceed sixty-five percent (65%) of the total.

2,560,189
COIL FORMING PRESS
Worley Grant Royston, Logan, W. Va.
Application March 21, 1947, Serial No. 736,369
3 Claims. (Cl. 100—70)



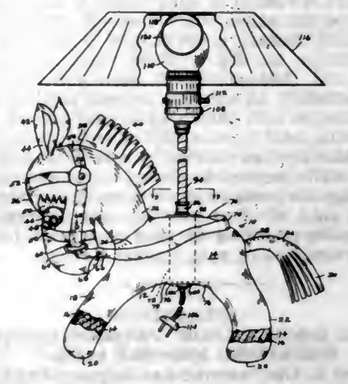
1. In a coil-forming press, a body having an inclined surface, a forming head having an inclined surface parallel to said first-mentioned inclined surface, a spring-biased plate on said body at right angles to said inclined surface thereon, a spring-biased plate on said forming head at right angles to the inclined surface thereon, and means for simultaneously moving said inclined surfaces and said slidable plates toward each other, thereby constricting the space between said inclined surfaces and said slidable plates.

2,560,190
APPARATUS FOR CLAMPING A COPY BOARD ON THE BASE PLATE OF A PHOTOGRAPHIC ENLARGING APPARATUS
Eduard Schreiber, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany, a corporation of Germany
Application October 14, 1950, Serial No. 190,074
In Germany March 13, 1950
4 Claims. (Cl. 88—24)



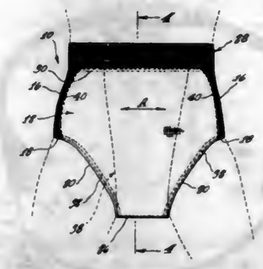
1. A copy board mounting for photographic enlarging apparatus which comprises a base plate having an undercut groove in its upper surface, a hollow copy board on said base plate, a guide rail within said copy board, said copy board being open below said guide rail, a grip member mounted on and slidable along said guide rail and having a gripping head extending into said undercut groove to engage said groove when drawn upwardly, and tensioning means comprising swinging links to support said rail and a spring to swing said links to upward position to draw said guide rail and grip member upwardly.

2,560,191
COMBINED ANIMAL-LIKE FIGURE AND LAMP
Fay Schwartz and Abe Plachter, New York, N. Y.
Application April 17, 1950, Serial No. 156,408
2 Claims. (Cl. 240—10)



1. An animal-like figure comprising a plurality of ground-engaging legs constructed and arranged for inherent resiliency, a torso interconnecting the upper ends of said legs so as to be resiliently supported above said ground surface, and having an animal-like head and tail carried by said torso, stuffing material of yieldable nature filling said torso, legs and head, with a first bore formed through said torso, a main tube extending through said first bore between the back and belly surfaces of said torso, a plurality of radially extending flutings and ribs carried by said main tube and immovable relative thereto, said radially extending flutings extending radially into the mass of said stuffing material surrounding said first bore, and constructed and arranged for receiving portions of said stuffing material between adjacent flutings or ribs so as to engage the mass of stuffing material firmly to block turning motion of said fluted tube relative to said mass of stuffing material and said torso filled thereby, a lower bezel having an axial aperture and secured immovably to said fluted tube with its axial aperture in registry with the bore of said fluted tube, an upper bezel having an axial aperture and disposed upon the back surface of said animal-like torso with its axial aperture in registry with the upper end of the bore of said fluted tube, a first standard having an axial bore and penetrating said fluted tube and said two bezels, means securing said first standard to said assembled fluted tube and bezels so as to be relatively stationary with respect to said animal-like torso, socket means carried by said first standard to receive a source of illumination such as a lamp bulb and the like, light ray directing and controlling means acting upon the light cast by said lamp bulb for regulating the illumination thereby of said animal-like figure and the surrounding surfaces, said first standard, bezels, fluted tube being so constructed and arranged as to render the animal-like torso substantially free from any distorting compression.

2,560,192
SWIMMING TRUNKS
David Seidner, New York, N. Y.
Application February 11, 1948, Serial No. 7,639
3 Claims. (Cl. 2—67)

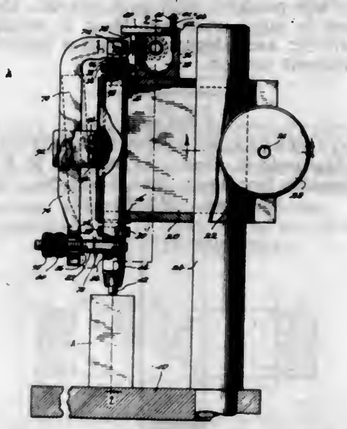


1. A trunk type garment, comprising front and back panels which are resiliently stretchable laterally of the garment and non-stretchable longitudinally of the garment, and elastic side inserts disposed between said front and back panels and secured to the adjacent side edges, respectively, of said panels, said side inserts being resiliently stretchable longitudinally of the garment and laterally thereof and being more easily stretchable laterally of the garment than longitudinally thereof, the lower ends of said inserts and adjacent lower ends of said panels, respectively, defining the leg openings of the garment, said adjacent side edges of the panels above the leg openings being bowed away from each other whereby the edge portions of said panels adjacent said side edges, respectively, are yieldingly stretchable longitudinally of the garment with the adjacent side inserts, respectively.

2,560,193
DEHAZING HYDROCARBON OILS
Bernard H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 27, 1947, Serial No. 794,201
8 Claims. (Cl. 196—23)

1. In a process for refining a substantially wax-free petroleum oil of satisfactorily low pour point which develops a visible haze on being cooled to a low temperature, the improvement which comprises intimately contacting said oil with urea for a period of time sufficient to react the organic haze-forming substances in said oil with said urea, and separating the resulting urea reaction product from said oil, whereby a haze-free oil is obtained.

2,560,194
PNEUMATIC TYPE OPPOSED CONTACT GAUGE
John A. Simkus, Chicago, Ill.
Application August 9, 1945, Serial No. 609,795
7 Claims. (Cl. 33—147)



1. A gage comprising a base having a surface to support a part to be measured, a support connected with said base, a gaging member carried by said support for movement toward and from said base, a body adjacent the gaging member having a chamber and means maintaining in said chamber a pressure other than atmospheric pressure, said body having an aperture communicating with said chamber, a vent valve positioned for opening and closing said aperture, a lever including a longer arm and a shorter arm pivotally carried by said gaging member, the shorter arm of the lever engaging the vent valve, and means anchoring the longer arm of said lever to the gaging member and adjustable to vary the position of the vent valve with relation to said gaging member.

2,560,195
COMPOSITION FOR MARKING RUBBER AND METHOD OF USING COMPOSITION
Cornelius W. Smith, Grosse Pointe Farms, and Harold Golden, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 7, 1947, Serial No. 784,770
8 Claims. (Cl. 154—139)

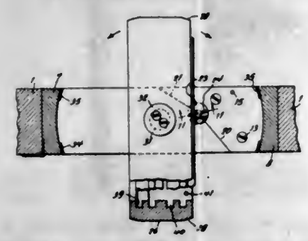
5. As a new article of manufacture, a crayon for marking rubber, said crayon being composed

of a stick of an unvulcanized normally solid composition consisting essentially of unvulcanized rubber selected from the group consisting of natural rubber and butadiene-styrene rubbery copolymer, rubber-soluble wax and pigment, in proportions by weight of from 6 to 9 parts of said wax and from 0.75 to 1.5 parts of said pigment per part of said rubber, said rubber being dissolved in said wax and said pigment being suspended in the resulting solution, said composition having such hardness and consistency that the crayon retains its shape under conditions of



marking, whereby in the resulting deposited marking even though the wax diffuses into the rubber of the marked surface the pigment is left on the surface intermixed with the rubber of the marking so that removal of the marking from the marked rubber surface by rubbing or abrasion is prevented, and upon vulcanization of an assembly of another rubber surface with a rubber surface marked with said crayon, the bond obtained is much stronger than it would be if the marking were deposited from a conventional wax-pigment crayon.

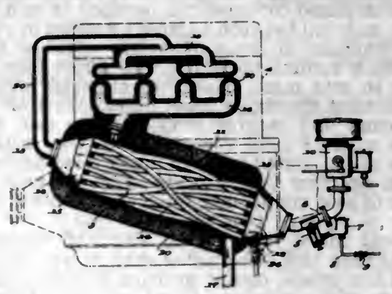
2,560,196
ROTATABLE WINDOW STRUCTURE
Reginald H. Smith, St. Albans, N. Y.
Application October 1, 1946, Serial No. 700,394
6 Claims. (Cl. 20—51)



1. A window comprising a window-frame adapted to be fixed in a structure, a casing fitted in said frame and hinged thereto at one side, the top and bottom of said casing being split along a vertical plane adjacent the other side thereof, said other side being fixed to said window-frame, a sash-frame fitted in said casing and having top and bottom pivots in its vertical centerline, the bottom pivot inserted in a recess in the bottom of said hinged casing, the top pivot passing through a shouldered opening in the top of said hinged casing and constituting a bearing for said sash-frame, and window sashes in said sash-frame.

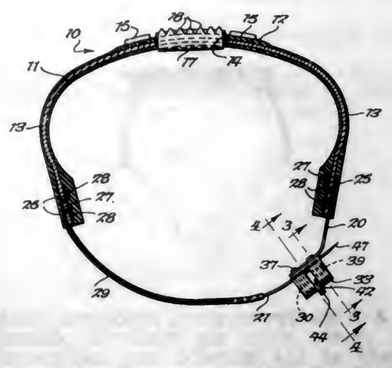
2,560,197
METHOD OF OPERATING INTERNAL-COMBUSTION ENGINES AND MEANS FOR THE PERFORMANCE OF THAT METHOD
Paul Xavier Spillane, Ashfield, Sydney, Australia, assignor to Keith Williams, Sydney, New South Wales, Australia
Application April 4, 1949, Serial No. 85,302
In Australia May 17, 1948
6 Claims. (Cl. 123—25)

1. A method of operating an internal combustion engine having a carburetor and a heat exchanger comprising admixing water in a finely divided state with the working substance to be induced in said engine between the carburetor and the heat exchanger, vaporizing the water in the mixture at temperatures below its boiling point to form water vapor, at least part of the heat required for the vaporization of the water vapor being supplied by latent heat of condensa-



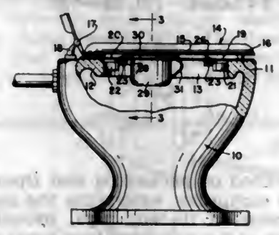
tion of water vapor in the exhaust gases, and introducing the so-formed mixture of water vapor and working substance to the engine whereby the gasoline volume introduced into the engine is substantially reduced while the fuel ratio remains substantially constant thereby lowering the temperature range and maintaining substantially the same power output.

2,560,198
ANTISKID DEVICE
Adolph K. Stevens, Buffalo, N. Y.
Application August 3, 1948, Serial No. 42,280
1 Claim. (Cl. 152—222)



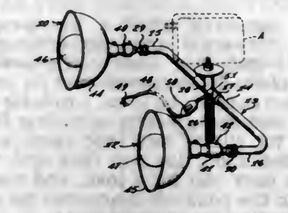
An anti-skid device for use with a vehicle tire mounted on a wheel rim, including a strip of rubber adapted to extend across the tread of the tire, a reinforcing member of fabric material embedded in said rubber strip, a pair of metal bands each having one end secured to one end of said fabric reinforcing member and extending beyond the ends of said strip, the connections between said metal bands and said fabric reinforcing member being embedded in said rubber strip, said metal bands extending beyond the ends of said rubber strip, and interlocking member on the end portion of one of said bands and having parts for engaging with the other metal band to clamp said anti-skid device on a vehicle tire.

2,560,199
SPECIMEN RECEPTACLE HOLDER
Edith E. Trichel and Dick C. Trichel, Pineville, La.
Application January 27, 1950, Serial No. 140,878
2 Claims. (Cl. 4—110)



1. A urine and feces specimen receptacle holder for a toilet stool including a substantially flat top having an opening and a toilet seat mounted upon the substantially flat top and spaced a slight distance above the same, said holder comprising a pair of longitudinally extending elongated thin bars mounted upon the substantially flat top and spanning the opening, said bars being transversely spaced apart, forward and rear transversely extending arcuate bands disposed adjacent to the bottom of the bars and projecting below the bars and engaging the opposite ends of the opening, and mechanical means connecting said bands and bars together as a unit which may be applied to and removed from the toilet stool.

2,560,200
CAMERA SUPPORTING FLOODLIGHT ASSEMBLY
Joseph P. Werzyn, Jackson Heights, N. Y.
Application March 4, 1947, Serial No. 732,263
3 Claims. (Cl. 240—2)



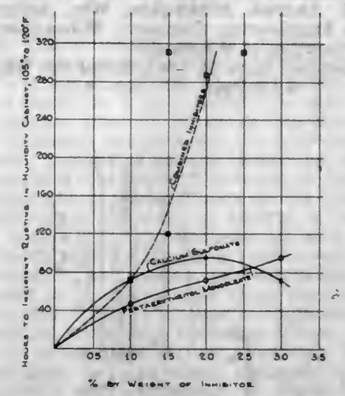
1. Portable illuminating apparatus comprising a handle by means of which said apparatus is supported in operative position; a stem extending from one end of said handle having an annular shoulder intermediate its length and external screw threads on the end portion thereof remote from said handle; a tubular fitting having an internally screw-threaded boss at one side thereof; a lamp supporting tubular bar extending through said fitting, said fitting and said bar being mounted on said stem so that said fitting bears upon said annular shoulder; a camera table surrounding said stem and having a sleeve portion threaded into said boss; a nut on said stem bearing against said camera table to clamp said fitting against said annular shoulder; a pair of lamp-bulb-sockets pivotally secured one to each end of said supporting bar; a pair of reflectors mounted one on each lamp-socket, and an electric current conduit extending through said supporting bar and the pivoted connections between said bar and said sockets to said sockets.

2,560,201
SHARPENER FOR FLEXIBLE DOUBLE-EDGED RAZOR BLADES
Thomas F. Williams, Tamaqua, Pa.
Application October 19, 1948, Serial No. 55,402
3 Claims. (Cl. 51—59)



1. In a sharpener for a flexible double edge razor blade, a frame including a pair of spaced end members and a pair of spaced side members arranged intermediate said end members and fixedly secured thereto, means on each of said end members engageable with the adjacent ends of said razor blade for supporting the latter, a first honing member having one end slidably supported on one of said side members and mounted on the latter for swinging movement into engagement with one face of said blade, and a second honing member having one end slidably supported on the other of said side members and mounted on the latter for swinging movement into engagement with the other face of said blade and confronting relation with respect to said first honing member.

2,560,202
RUST INHIBITING COMPOSITION
John C. Zimmer, Union, Gordon W. Duncan, Westfield, and Charles E. Paxton, Jamesburg, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 24, 1948, Serial No. 40,505
3 Claims. (Cl. 252—33.4)

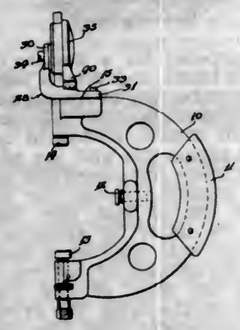


1. A rust inhibiting oil composition consisting essentially of a mineral base oil of lubricating grade containing 0.5 to 3%, based on the total composition, of a mono-oleic ester of pentaerythritol, 0.5 to 3% of an oil soluble petroleum sulfonate selected from the class which consists of sodium and calcium sulfonates, and 0 to 1% of degras.

2,560,203
SNAP GAUGE CONSTRUCTION
Erik H. Aldeborgh, Poughkeepsie, N. Y., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y., a corporation of New York
Application November 16, 1949, Serial No. 127,624
6 Claims. (Cl. 33—147)

1. A dial snap gage comprising a generally U-shaped frame having a measuring anvil in

one extremity thereof, a measuring plunger, a measuring button cooperating with said measuring anvil, said button being fixed to the inner end of said measuring plunger, said plunger being reciprocably mounted in the other extremity of said frame, the outer portion of said last-mentioned frame extremity having a shallow



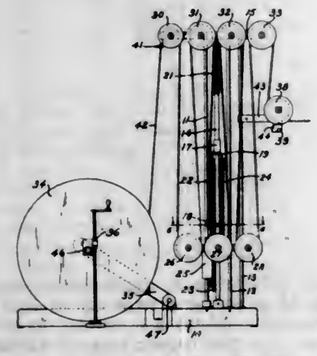
cavity therein, said cavity communicating with the outer end of the bore in which said measuring plunger reciprocates, a leaf spring located in said cavity and extending into contact with said measuring plunger, and bracket means covering said cavity, said bracket means serving to support a dial indicator with its plunger in contact with said measuring plunger.

2,560,204

AUTOMATIC STRAND FEED REGULATOR

Karl H. Andren, Milwaukee, Wis., assignor to Artos Engineering Company, Milwaukee, Wis., a corporation of Wisconsin

Application June 17, 1947, Serial No. 755,093
8 Claims. (Cl. 242—45)



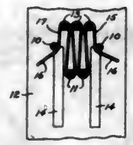
1. In an automatic strand tensioner, a series of spaced strand guiding sheaves coacting with successive portions of advancing stock to produce a succession of depending loops between the sheaves, a series of interconnected vertically movable sheaves rollably suspended in the bottoms of said loops, upper and lower vertically movable slides normally defining the limits of free upward movement of said movable sheave series, a fixed stop for limiting the downward movement of each slide, and independent springs coacting with said upper and lower slides to resiliently restrain the movement thereof by said movable sheave series.

2,560,205

SHOELACE PACKAGING

Karl H. Andren, Greenfield, Wis., assignor to Artos Engineering Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 16, 1949, Serial No. 87,927
9 Claims. (Cl. 28—72)



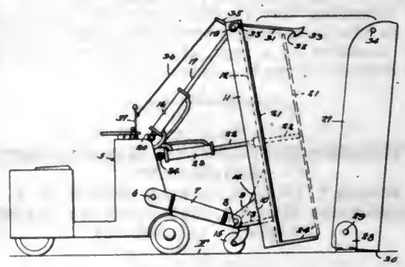
9. The method of packaging end tipped shoelaces, which comprises, extending the portion of each lace between its end tips, indenting the opposite sides of the extended lace equal amounts to produce a succession of equal length folds in the lace and to cause the tips to lie externally of the end folds, and subsequently gathering the folds and applying retainers thereto.

2,560,206

INDUSTRIAL TRUCK AND BUNKER

Robert D. Beatty, Birmingham, Ala.

Application December 27, 1948, Serial No. 67,378
4 Claims. (Cl. 214—82)



1. In an industrial truck a wheel-supported power unit, forwardly diverging arms pivotally connected at their rear ends to the power unit, a load rack pivotally connected near its lower end to the forward ends of the arms, a rollable mounting for the load rack, means extending from the power unit for tilting said load rack, a pusher plate mounted upon the load rack and adapted to provide a back rest for a load, and means extending from the power unit adapted for advancing and retracting said pusher plate.

2,560,207

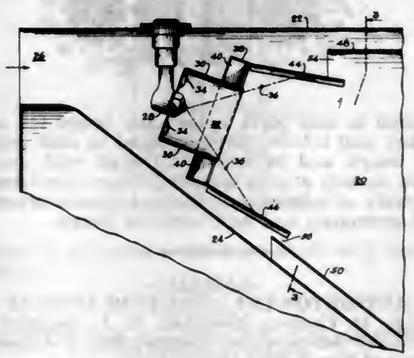
ANNULAR COMBUSTION CHAMBER WITH CIRCUMFERENTIALLY SPACED DOUBLE AIR-SWIRL BURNERS

Lloyd E. Berggren, Roseland, and William C. Schaffer, Fair Lawn, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York

Application February 4, 1948, Serial No. 6,194
6 Claims. (Cl. 60—44)

2. In combustion apparatus: a combustion chamber having an air entrance passageway; a first tubular member disposed in said chamber adjacent to the upstream end of said chamber for air flow through said member; a main fuel nozzle for spraying fuel into said tubular member for combustion with air supplied to said chamber, said tubular member extending downstream from said nozzle; first air baffle means providing a restricted air flow path into said tubular member such that the effective cross-sectional area of said

restricted flow path is no greater than one-tenth of the adjacent interior of said tubular member, said air baffle means being arranged to impart a whirling motion about the axis of said tubular member to the air entering said member through said flow path; a second tubular member co-axially surrounding said first tubular member, the air flowing between said tubular members mixing with the gases flowing from the downstream end of said first tubular member; second air baffle means for imparting a whirling motion to air



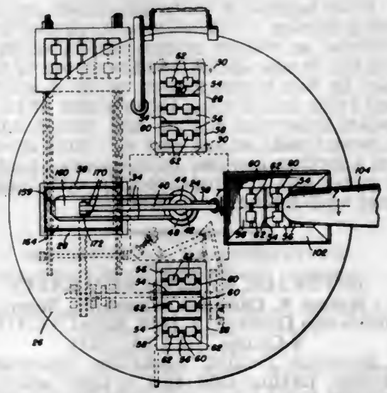
flowing between said tubular members, said last-mentioned whirling motion being co-axial with but opposite to the rotative direction of said first-mentioned whirling motion whereby considerable turbulence is created in said combustion chamber downstream of said first tubular member; and an annular baffle member co-axial with said tubular members and disposed so as to direct a portion of the air flowing between said tubular members inwardly over the downstream edge of said first tubular member.

2,560,208

APPARATUS FOR MOLDING CONCRETE BLOCKS

Victor V. Benischek, Albuquerque, N. Mex.

Application March 10, 1948, Serial No. 14,024
9 Claims. (Cl. 25—41)



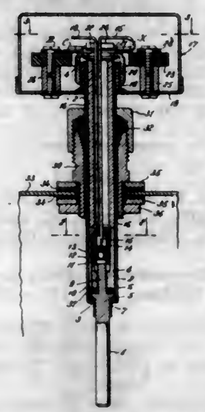
1. Apparatus for molding blocks from a plastic cementitious aggregate or the like, which includes a horizontal table mounted to rotate about a vertical axis from an aggregate supply station to a block ejecting station, spaced molds mounted in said table to move vertically with relation thereto, means at the aggregate supply station for feeding aggregate into a mold and compacting such aggregate in the mold, means operating from above the table at the block ejecting station to eject molded blocks downwardly through a mold positioned at the ejecting station, a product conveyor beneath the table at the ejecting station, and transfer means including a vertically movable table adapted to receive a block as it is ejected from the mold and lower it onto the conveyor.

2,560,209

CONDUCTIVITY CELL

George L. Borell, Minneapolis, and Marcus I. Nystuen, St. Paul, Minn., assignors to Economics Laboratory, Inc., St. Paul, Minn., a corporation of Delaware

Application January 18, 1949, Serial No. 71,418
12 Claims. (Cl. 175—183)



1. In a conductivity cell, a central electrode, an outer electrode of cylindrical shape, an end portion of which encloses an end portion of said central electrode, a seat formed on said central electrode, an inturned flange at one end of said outer electrode proportioned to cooperate with said seat, insulating means interposed between said seat and said flange, a shoulder on said inner electrode, an outturned flange at the other end of said outer electrode, a casing, a terminal board secured to and enclosed by said casing, a threaded sleeve forming a central opening in the bottom of said casing, said sleeve being proportioned to fit around said outer electrode and against said outturned flange, a compression nut cooperating with said threaded sleeve, a compression member extending effectively between the shoulder on said inner electrode and said compression nut, terminals on said terminal board, and connections from said terminals to at least one of said electrodes.

2,560,210

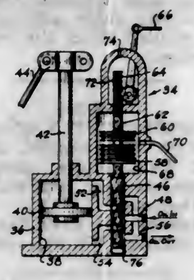
ENGINE PRESSURE CONTROL MECHANISM HAVING HOUSING CONTAINING AN EVACUATED BELLOWS AND A VENTED BELLOWS

Kenneth A. Browne, Ridgewood, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Original application April 9, 1941, Serial No. 387,636, now Patent No. 2,359,615, October 3, 1944. Divided and this application September 7, 1944, Serial No. 553,091
11 Claims. (Cl. 60—13)

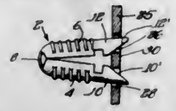
10. Control mechanism comprising a housing having a chamber subjected to a variable pres-

sure; a first bellows and a second bellows disposed within said chamber and externally subjected to said fluid pressure, one of said bellows being at least partially evacuated and sealed and the other of said bellows being vented to atmos-



pheric pressure; means connecting one end of said first bellows with one end of said second bellows; a control member operatively connected to the other end of said first bellows; and means for anchoring the other end of said second bellows.

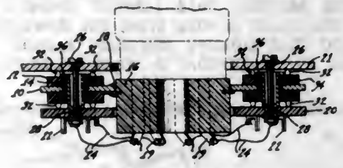
2,560,211
SHELF MOUNTING STRUCTURE
Hugh T. Burdick, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application December 31, 1947, Serial No. 794,911
4 Claims. (Cl. 151—41.7)



1. A blind fastener for mounting within an aperture of a work piece comprising a one-piece sheet metal stamping which includes a pair of oppositely concaved elongated shank portions, a section connecting said shank portions at one end thereof, at least a portion of the longitudinal complementary edges of the shank portions adapted for abutting relation when said portions are shifted transversely toward each other, said shank portions at a point spaced axially from said connecting section having marginal cut-out notches formed in the longitudinal edges thereof for receiving a work piece, said notches presenting transversely extending shoulders for positively abutting a work piece upon initial insertion of the fastener within an apertured work piece to assure a required extent of projection of said shank portions from one surface of a work piece, transversely extending shoulders for abutting the opposite side of the work piece to counteract withdrawal of the fastener, and helically disposed peripheral extrusions located intermediate the connecting section and said notches for accommodating a complementary internally threaded part.

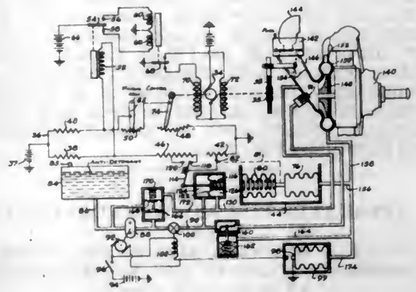
2,560,212
RESILIENT SOCKET ASSEMBLY
John F. Byrd, Ashland, and Paul W. Wildow, Moorestown, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 31, 1948, Serial No. 18,128
1 Claim. (Cl. 173—328)

In a socket assembly adapted to be mounted on a supporting chassis, the combination of a mounting plate having apertures therein, resilient mounting grommets disposed in said apertures and having a plurality of substantially pointed projecting spacers on the surface of said grommets, said spacers being adapted to provide a plurality of substantially point contacts between said grommets and said chassis, a vacuum tube socket



secured to said plate, a terminal board for said socket, and tubular rivets secured to said terminal board and extending through said grommets, certain of said spacers further providing a plurality of substantially point contacts between said grommets and said terminal board.

2,560,213
ANTIDETONANT INJECTION SYSTEM
Wayne D. Cannon, Hohokus, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application August 22, 1944, Serial No. 550,623
12 Claims. (Cl. 123—25)

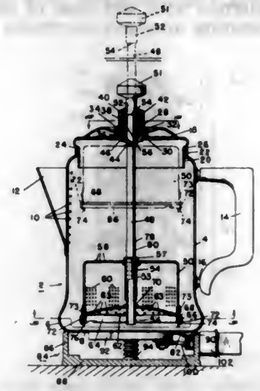


1. In an internal combustion engine, an engine power regulator, electrical means adjustable with variations in engine power for adjusting said regulator, means operative in response to an increase in the engine power above a predetermined value for effecting introduction of an antidetonant into said engine, and means adapted to automatically adjust said electrical means to effect a further increase in the power of said engine substantially simultaneously with initiation of said anti-detonant introduction.

2,560,214
BEVERAGE MAKING APPARATUS
Robert T. Cameron, Knoxville, Tenn.
Application October 19, 1949, Serial No. 122,317
8 Claims. (Cl. 99—319)

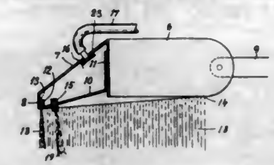
1. Beverage making apparatus comprising a container having side and bottom walls, said container having an open end oppositely disposed with respect to said bottom wall, a centrally apertured closure member for said open end of said container, an elongated shaft mounted for reciprocation through said aperture and having an end thereof disposed within said container, a holder for beverage brewing ingredients secured on said one end of said shaft,

and friction means on said shaft cooperating with said aperture for supporting said ingredient



holder in adjusted position adjacent said closure member.

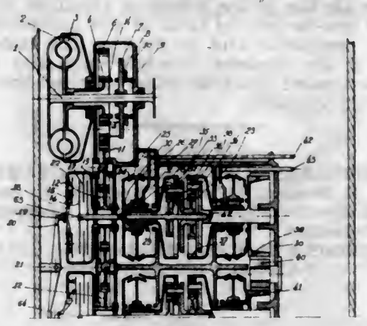
2,560,215
PROTECTION MASK AGAINST POISONOUS GASES AND DUST
Marinus Christensen, Brorup, Denmark
Application December 5, 1946, Serial No. 714,207
In Denmark November 1, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 1, 1965
4 Claims. (Cl. 128—145)



1. A device for the protection against poisonous gases and dust comprising in combination a receptacle; means for securing said receptacle to a person's forehead; means for connecting said receptacle to a source of compressed air; jet means associated with said receptacle and extending in a continuous arcuate line around the wearer's face substantially from ear to ear and a nozzle arranged in the bottom of said receptacle within the concavity of said continuous arcuate line formed by said jet means, the said nozzle being directed toward the wearer's nose and mouth so as to pass an additional stream of air thereto.

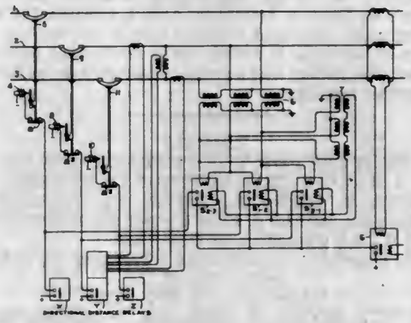
2,560,216
MECHANICAL TRANSMISSION
Antoine Claude Marie Henri Coponat, Paris, France
Application August 12, 1947, Serial No. 768,133
In France November 7, 1944
5 Claims. (Cl. 74—682)

1. In a variable speed power transmission interposed between a driving shaft and a load shaft, the improvement comprising in combination a pair of identical epicyclic change-speed gear trains arranged in parallel relation, each train having an input shaft and an output shaft; each of said output shafts being constantly geared to the load shaft and each of said output shafts being adapted to drive the load shaft at a different rate these rates having a predetermined ratio; both input shafts being drivable at the same rate by the driving shaft; speed selecting means for each of said gear trains; and coupling means alternately operable to connect one input shaft at a time to the driving shaft while automatically at the same time disconnecting the other input shaft therefrom; whereby said gear trains are



alternately operable to connect the driving shaft with the load shaft and a speed selection is effected in one gear train while the same is inoperative, whereupon the same by the operation of said coupling means is actively connected to the load shaft while the other previously operative gear train is disconnected therefrom.

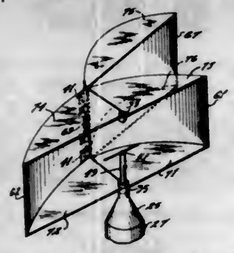
2,560,217
GROUNDED PHASE SELECTOR
Clyde G. Dewey, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application April 29, 1948, Serial No. 24,041
3 Claims. (Cl. 175—294)



1. A grounded phase selector for a three-phase circuit having in combination a separate movable ground indicating induction element for each corresponding phase conductor of the circuit, a separate wattmetric operating device for each element having two windings for jointly producing a reversible inductive force to move the element either in its ground indicating direction or in the opposite direction dependent upon the relative energization of the windings, means for energizing one winding of each device in accordance with the line-to-line voltage between the two other phase conductors of the circuit, means for energizing the other winding of each device in accordance with the residual voltage upon the occurrence of a single line-to-ground fault of any phase conductor of the circuit, and each device having the two windings thereof electromagnetically related with the induction

element to produce the inductive force in the direction to move the element in its ground indicating direction only when the line-to-line voltage energization of the one winding thereof is within a predetermined range of phase relations with respect to the residual voltage energization of the other winding thereof which range includes all the phase relations resulting from a single line-to-ground fault of the corresponding phase conductor and to produce the inductive force in the opposite direction upon any single line-to-ground fault of either of the other two phase conductors.

2,560,218
SUBMARINE ANTENNA STRUCTURE
Orrin E. Dunlap, Jr., Great Neck, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 22, 1950, Serial No. 157,529
9 Claims. (Cl. 250—33.65)



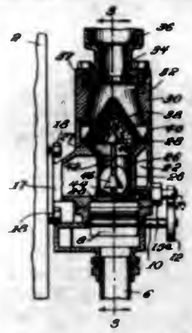
1. A reflector for a wave energy directive system which in closed position forms a hollow housing, comprising a hollow receptacle having an open end and divided longitudinally into two complemental portions hinged together at the open end division points, the said portions being adapted to swing outwardly around the said hinge to form a reflector, and a closure for said receptacle, the said closure being pivoted on one of said portions to swing away from said portions when the latter are swung outwardly to reflector forming position.

2,560,219
PROCESS FOR THE PREPARATION OF 1-HALO-3-TRIHALOPROPYL ETHERS
Samuel A. Glickman, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 23, 1948, Serial No. 61,728
9 Claims. (Cl. 260—614)

1. The process of producing 1-halo-3-trihalopropyl ethers which comprises subjecting a mixture of a vinyl ether and at least an equal molar amount of a tetrahalomethane in the presence of a small amount of pyridine to the action of heat of at least about 35° C. and in the presence of free radicals selected from the class consisting of free radicals formed by peroxy compounds acting on the reaction mixture and free radicals formed by ultra-violet light acting on the reaction mixture.

2,560,220
FUEL VAPORIZER
Joseph Graziano, Newburgh, N. Y.
Application August 28, 1946, Serial No. 693,403
1 Claim. (Cl. 219—38)

A fuel vaporizer comprising, a casing forming an atomizing chamber, an intake chamber below and connecting with the atomizing chamber, intake openings for said intake chamber, a porous metal filter having a hollow conical formation, within said atomizing chamber, a diffusing cone within and aligned with the base of said hollow filter and extending into said atomizing chamber,



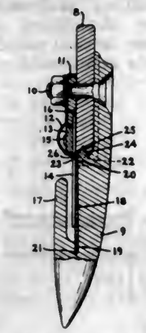
a second diffusing cone below said first diffusing cone and connected thereto and lying within the intake chamber opposite to one of the intake openings for said intake chamber, and a heat transfer means for heating the porous metal filter.

2,560,221
SNOW AND ICE MELTING DEVICE FOR VEHICLES
Jack L. Hamblin, Portsmouth, Ohio, assignor of one-half to James C. Walbright, Portsmouth, Ohio
Application August 19, 1948, Serial No. 45,097
1 Claim. (Cl. 126—271.2)

In an automotive vehicle, traction wheels for the vehicle, a supply of pressurized inflammable fluid, flame spreading burners, means securable to said vehicle to mount said burners on said vehicle in front of said wheels for pivotal adjustment in vertical planes in front of the wheels of the vehicle, means to ignite said fluid at said burners, means to control the flow of said fluid to said burners, said means to mount said burners comprising a rotatably mounted bar having arms extending from the ends thereof, said burners being mounted on the free ends of said arms and said arms comprising pipes conducting fuel to said burners, lever means to rock said bar so that said burners are vertically adjusted to the desired position, branch pipes disposed parallel and adjacent to said bar, end portions of said branch pipes returned for pivotal and gas-conductive connection with said arms, and a supply pipe connecting said branch pipes with said supply.

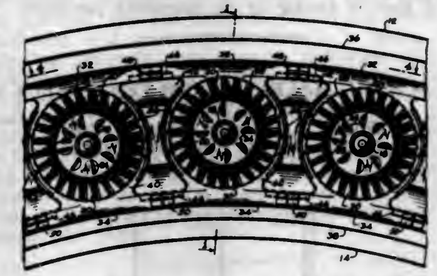
2,560,222
DETACHABLE TOOTH AND BLADE IN MOWER BAR ASSEMBLY
Joseph F. Hansen, Sheboygan, Wis.
Application May 9, 1949, Serial No. 92,193
3 Claims. (Cl. 56—309)

1. In combination, a mower tooth having therein a longitudinal slot forming a guard finger, said tooth being provided with a recess at the end of said slot and with a transverse flange and a projection remote from said recess, a carrier bar for said tooth having a groove coacting



with said flange, and a ledger plate having a tongue at one end insertible within said recess and a notched opposite end cooperable with said projection and clamped within said groove by said flange.

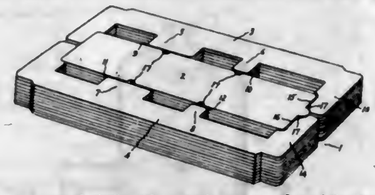
2,560,223
DOUBLE AIR-SWIRL BAFFLE CONSTRUCTION FOR FUEL BURNERS
William Vincent Hanzalek, New York, N. Y., assignor to Wright Aeronautical Corporation, a corporation of New York
Application February 4, 1948, Serial No. 6,140
8 Claims. (Cl. 60—44)



1. In combustion apparatus: an annular combustion chamber having an annular air entrance passageway; a plurality of circumferentially spaced fuel nozzles in said combustion chamber; air baffle means, one for each of said nozzles, for creating turbulence of the air and combustion gases downstream of said nozzles; and a plurality of ducts each disposed between a pair of adjacent nozzles in the general direction of flow through said combustion chamber and extending downstream of said adjacent nozzles and air baffle means, each of said ducts having its upstream end open to receive air flowing between its adjacent nozzles and air baffle means and having its downstream end arranged to direct air from said duct into the gas streams discharging from said adjacent nozzles and air baffle means.

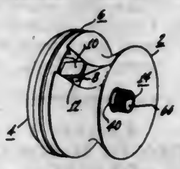
2,560,224
LAMINATED MAGNETIC CORE
Charles P. Hayes, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application December 31, 1948, Serial No. 68,557
1 Claim. (Cl. 175—356)

A laminated magnetic core for stationary electrical induction apparatus comprising, in combination, a plurality of individual laminated core sections in edgewise contact at a plurality of separated places thereon where the sections have complimentary shaped interfitting surfaces so as to form a closed magnetic circuit with a plurality of joints, integral legs on at least one of said sections extending toward another of said sections so as to form magnetically short air gaps therebetween, header passageways ex-



tending completely through one of said sections transversely of its laminations, said header passageways being disposed entirely on one side of said air gaps and in open communication with said air gaps throughout the length of said header passageways, said header passageways having substantially greater transverse dimensions than the magnetic length of said gaps, and a hardened liquid completely filling said header passageways and air gaps.

2,560,225
REEL SPINDLE ADAPTER KNOB
Milton H. Hutt, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 29, 1950, Serial No. 187,533
5 Claims. (Cl. 242—70)

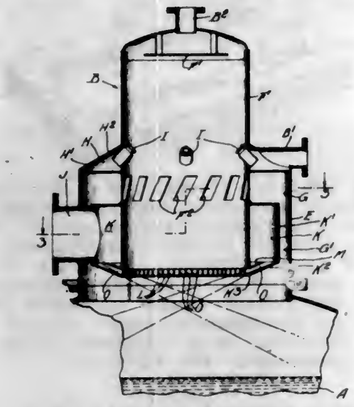


1. A knob for adapting reel spindles to accommodate either of two reels having spindle opening of different diameters, the opening in one of the reels being substantially larger than the opening in the other, said knob comprising, in combination, a main body portion, a back plate secured to said main body portion, a peripheral groove being formed about the main body portion at the junction of said main body and said back plate, a resilient ring mounted in said groove, said ring having a maximum diameter at the midsection thereof and slanting inwardly to the edges thereof, said maximum diameter being slightly larger than the diameter of the opening in the reel having the largest opening, the diameter of the ring at the edges being slightly less than the diameter of said largest opening, said knob having a central hole therethrough adapted to receive a spindle, and clamping means on said knob for securing said knob to said spindle.

2,560,226
HEATING, DEAERATING, AND PURIFYING WATER
Charles E. Joos, Wyncote, Pa., and Arthur E. Kittredge, Audubon, N. J., assignors to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 25, 1945, Serial No. 624,348
2 Claims. (Cl. 183—2.5)

1. Two stage water heating and deaerating apparatus comprising a heating chamber in the

form of a vertically disposed cylinder having its lower end open and unobstructed and comprising a second chamber larger in horizontal cross-section than said heating chamber and having an upper portion surrounding the lower portion of said heating chamber and a lower portion beneath the level of the lower end of said heating chamber, water supply means comprising spray nozzles mounted in the wall surrounding



the heating chamber and arranged to spray water into the upper portion of said heating chamber, and steam supply means arranged to discharge jets of steam into the second chamber space directly beneath the heating chamber from the periphery of the last mentioned chamber. the wall of said heating chamber having ports through which steam may pass into said chamber from the upper portion of said second chamber.

2,560,227
PREPARATION OF MALONALDEHYDE OXIMES
Roger F. Kleinschmidt, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 17, 1948, Serial No. 9,022
2 Claims. (Cl. 260—566)

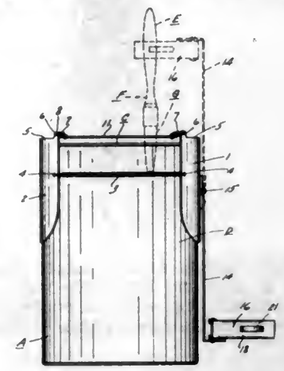
1. The method of producing 1,3-dialdehyde dioximes which comprises mixing an aqueous solution of an acid salt of hydroxylamine with a 1,3-dialdehyde diacetal of the formula

$$\begin{array}{l} HC=(OR)_2 \\ | \\ X-C-H \\ | \\ HC=(OR)_2 \end{array}$$

wherein R represents lower alkyl radical and X represents a member of the group consisting of hydrogen, halogen and alkyl, aralkyl and aryl radicals.

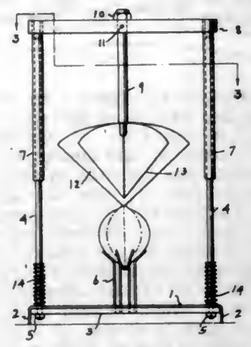
2,560,228
BRUSH HOLDER AND SCRAPER ATTACHMENT FOR PAINT CANS
Joseph L. Kosorok, Red Lodge, Mont.
Application July 7, 1950, Serial No. 172,499
5 Claims. (Cl. 220—90)

1. In a device of the class described, a wiper plate having a central opening therein and circumferentially-spaced peripheral portions which are adapted to overlie the upper marginal edge of an open top container, a pair of clamping members adapted to engage the side wall of said container in opposed relation, yielding means connecting adjacent side edge portions of said clamping members whereby to cause frictional anchoring engagement between the said members and the wall of said container, yielding means connecting the upper portions of said anchoring members to said plate at circumferentially-spaced points about said container, an arm



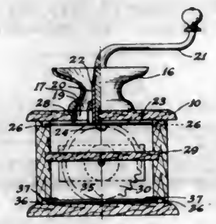
pivotally secured to one of said clamping members for limited swinging movements about a horizontal axis from an inoperative position adjacent the lower end of said container to an operative position wherein said arm projects above the level of said plate, and a brush-holding member carried by the free end of said arm and adapted to overlie the opening in said plate when said arm is swung to its operative position.

2,560,229
SLICING MACHINE WITH VERTICALLY RECIPROCATING CUTTER
Robert E. Leavens, Houston, Tex.
Application May 4, 1949, Serial No. 91,357
1 Claim. (Cl. 146—3)



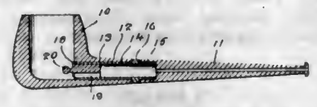
A slicing machine comprising, a base, spaced upstanding guide rods anchored to the base, a seat supported by, and spaced above, the base between the guide rods, said seat being formed of upstanding spaced pins whose upper ends diverge upwardly, sleeves slidable on the guide rods, a yoke whose ends are secured to the sleeves, a blade shank depending from the yoke and secured thereto in axial alignment with the center of said seat, the lower end of the shank being provided with slots, an assembly of flat cutter blades including a pilot blade whose outer margins converge downwardly and a series of supplemental blades on each side of the pilot blade the margins of said supplemental blades converging to a point which is spaced above the point of the pilot blade, the converging edges of said blades being formed into sharp cutting edges, said blades being secured in said slots with the cutting edges of the blades symmetrically disposed about the axis of the shank in staggered relation to and moveable between said pins, and resilient means on said guide rods engageable by said sleeves for yieldingly arresting downward movement of said blades between said pins at a point mediate said seat and said base.

2,560,230
SMOKER'S ACCESSORY
Irvin R. Linnard, Montclair, N. J.
Application October 21, 1947, Serial No. 781,029
4 Claims. (Cl. 312—273)



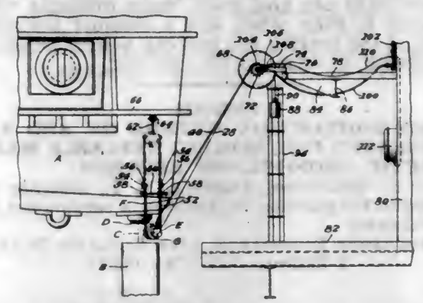
4. A smoker's cabinet comprising a frame and an ashtray mounted on the frame, a plate having an opening therein rotatably mounted beneath said tray and an operating handle to bring the opening beneath the tray to eliminate refuse therefrom, a cigarette containing drawer slidably mounted in said frame, the lower end of said operating handle being formed into a crank and operatively connected with the cigarette drawer so that movement of the operating handle moves the cigarette drawer to open position presenting fresh cigarettes to the smoker and at the same time brings the opening beneath the ashtray to empty the same.

2,560,231
PIPE FOR SMOKING TOBACCO
William E. Lindorfer, Detroit, Mich.
Application March 22, 1948, Serial No. 16,222
1 Claim. (Cl. 131—201)



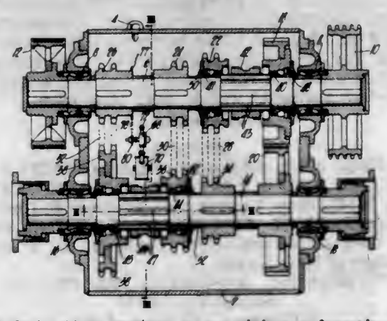
A pipe for smoking tobacco comprising a bowl, a stem portion on the bowl and a bit portion, there being a bore in the stem portion of the bowl and a bore in one end of the bit portion, a tubular metal insert in the bores, an enlargement on the insert positioning the stem portion and the bit portion so that the insert extends entirely through the stem portion, a grooved plug insertable into one end of the tubular insert, a flange on the plug adapted to engage the end of the insert in the bowl to prevent insertion of the plug too far into the insert, and a knob on the flanged end of the plug to facilitate removal of the plug for the cleaning thereof.

2,560,232
APPARATUS FOR DETERMINING TEMPERATURES OF MOLTEN METAL
Harry H. Locke, Wilkinsburg, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application September 1, 1944, Serial No. 552,360
3 Claims. (Cl. 73—355)



1. Apparatus for obtaining temperatures of a stream of molten metal being teemed from a ladle into an ingot mold, which comprises, in combination, a mounting pivotally attached to the ladle and extending below the bottom thereof, said mounting being movable about its pivot to raise its lower end above the bottom of the ladle, a housing carried by the mounting at the lower end thereof, a temperature-responsive element for measuring the temperature of the metal being teemed held in the said mounting, means for adjusting the said housing in the mounting for enabling the temperature-responsive element to be aimed directly at the stream of metal flowing from the ladle, a temperature-indicating instrument, means electrically connecting the said temperature-responsive element with the said temperature-indicating instrument, said housing having passages therein for circulating cooling fluid lengthwise therethrough around the said element in indirect heat exchange relation therewith, said passages opening into ports at the end of the housing for directing the cooling fluid onto the molten metal for blowing any obscuring material away from the line of vision of the said element.

2,560,233
LUBRICATION SYSTEM
August R. Maier, Oil City, Pa., assignor to Oil Well Supply Company, a corporation of New Jersey
Application May 15, 1946, Serial No. 669,739
1 Claim. (Cl. 184—6)



A lubrication system comprising a housing, an oil reservoir in the bottom of said housing, a substantially horizontal rotatable shaft mounted

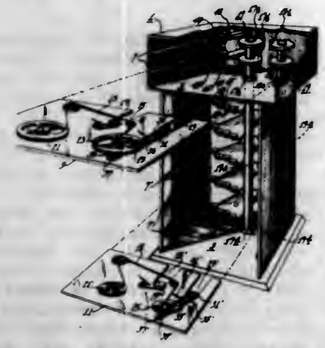
in said housing, a tapered sleeve mounted on said shaft for rotation therewith, means for spraying oil from said reservoir onto said sleeve, a bearing cup mounted around said shaft, a rotatable bearing cap adjacent said bearing cup, said cap having an opening therein for receiving the large end of said tapered sleeve, said opening being tapered in the same direction as said tapered sleeve, said cap and sleeve being rotatable with respect to each other, and a member mounted around the bearing cup and cap and cooperating therewith to form an oil reservoir.

2,560,234

MASS PRODUCTION METHOD OF, AND APPARATUS FOR, MAKING REELABLE MAGNETIC PHONOGRAPH RECORDS

Earl E. Masterson, Palmyra, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 26, 1949, Serial No. 78,522
5 Claims. (Cl. 179—100.2)



1. An apparatus for simultaneously applying to a plurality of reelable, magnetizable record members a magnetic trace corresponding to the magnetic trace on the sound track of a reelable, magnetic master record member, said apparatus comprising, in combination, a mounting structure, a plurality of shelf-like supports each containing a reeling system for a separate one of said record members, each of the reeling systems comprising a storage reel, a take-up reel and a guide element mounted between said reels for engagement with the associated one of said record members, said supports being removably mounted in said structure, a capstan carried by said structure for driving all of said reeling systems, a plurality of magnetic transducers associated with separate ones of said supports for cooperation with their respective record members, and means mounting said transducers in such positions that said transducers automatically engage the corresponding record members at areas between their guide elements and one of the reels of the respective reeling systems upon the mounting of the associated shelf-like supports within said structure.

2,560,235

RUBBER AND CARBON BLACK MIXES DIRECTLY FROM NATURAL RUBBER LATEX

John McGavack, Leonia, and Chester E. Linscott, Ridgewood, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application June 23, 1948, Serial No. 34,826
6 Claims. (Cl. 260—746)

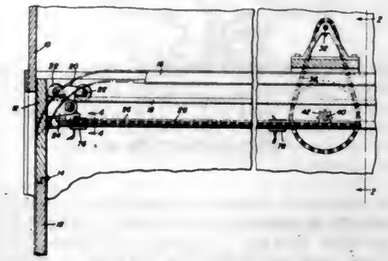
1. A method of making a natural rubber-carbon black mix which comprises mixing carbon black with a formaldehyde preserved latex containing 0.3 to 3% by weight of formaldehyde and which has been allowed to age at least three days, whereby to form a readily filterable aqueous slurry of rubber and carbon black particles, the ratio of carbon black to rubber being in the range 25 to 200 parts by weight of carbon black per 100 parts of rubber, and the concentration of rubber in said slurry being in the range 3 to 30% by weight based on the aqueous phase, and separating the mixture of rubber and carbon black particles in said slurry from the aqueous medium.

2,560,236

ELECTRIC OVERHEAD DOOR OPENING AND CLOSING DEVICE

James N. McNinch and Lawrence E. Myers, Sterling, Ill., assignors, by direct and mesne assignments, to Sterling Electronic Door Control Corporation, Sterling, Ill., a corporation of Illinois

Application November 15, 1948, Serial No. 60,102
8 Claims. (Cl. 268—59)



1. In an overhead door control device, a door, tracks for slidably receiving said door, a pair of horizontal door carriage tracks, a door carriage engaged in each track and secured to said door, a door operating track paralleling one of said support tracks, a flexible operating means slidingly guided in said operating track for straight line push and pull motion, said door carriage being connected to one end of said operating means, a driving member connected to said operating means for imparting reciprocation thereto and a source of power connected to said driving member, said operating track including a channel member having a bottom, side walls and inwardly extending top walls providing a medial, longitudinal slot therebetween, said carriage extending through and being slidable in said slot, said bottom wall having a longitudinal rail forming said lower guide surface, said top walls having depending, parallel and longitudinal flanges forming said upper guide surfaces.

2,560,237

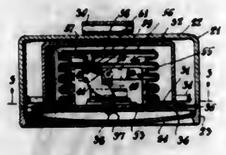
SPHYGMOMANOMETER

Raymond H. Miller, Riverside, R. I., assignor to Federal Products Corporation, Providence, R. I., a corporation of Rhode Island

Application December 11, 1948, Serial No. 64,760
17 Claims. (Cl. 128—2.05)

1. In a sphygmomanometer, a casing, a bellows mounted by said casing and connectible with a unit to be associated with a patient to respond to pulsations of the latter by having at least one of its surfaces reciprocate, a graduated dial, a pointed traversing said dial, a rotatable shaft mounting said pointer, connecting means extending between said bellows and shaft to cause the latter to rotate in response to reciprocations of

the former, a pivoted lever forming a part of said connecting means, means presenting an arcuate surface mounted by said lever and cooperable with said bellows to be shifted thereby and the lever pivot and center defining the arc of said surface being disposed in a line substantially perpendicular to the line of bellows movement, when



said bellows occupies a position substantially midway of its extremes of movement, whereby movements of the pointer over the dial will have substantially equal increments for equal increments of increasing pressure, despite the fact that the bellows movements will not embrace equal increments of travel responsive to such increases in pressure.

2,560,238

ARRANGEMENT FOR AUTOMATICALLY DISENGAGING A MECHANISM BY STOP ACTION

Vladimír Nouzák, Prague, Czechoslovakia, assignor of one-half to United Machine Tools Factories, National Corporation, Prague, Czechoslovakia

Application March 11, 1949, Serial No. 80,798
In Czechoslovakia March 19, 1948
3 Claims. (Cl. 192—143)

1. Stop mechanism for automatic disengagement of longitudinal feed, comprising in combination a feed drive shaft, a stationary rack, a pinion cooperating with said rack, a feed gearing between said feed drive shaft and said pinion, a feed clutch within said feed gearing automatically disengaging at a predetermined torque, a slide box housing said gearing, an additional gearing within said slide box, said additional gearing shunted to the feed gearing beyond said feed clutch, a brake gear attached to said additional gearing, an arresting rod axially extending in the direction of feed, said arresting rod being slidably mounted in the slide box and adapted to engage and disengage said brake gear, and at least one stop member in the axial direction of the arresting rod to cooperate therewith.

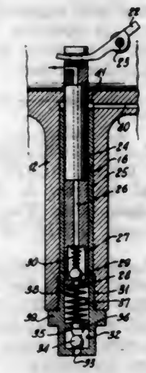
2,560,239

AIR-LINE OILER

Matthew O'Farrell, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application June 1, 1949, Serial No. 96,579
4 Claims. (Cl. 184—55)

1. An air line oiler comprising an enclosed lubricant reservoir having a filling means, and a plunger portion projecting downwardly from the top inner surface and having a bore, a bushing arranged in the bore of said plunger portion, a chamber positioned at the lower end of said bushing and including a check valve means, a conduit portion positioned on the upper surface of said reservoir and adapted to be connected into an air line leading to an air operated tool, a plunger means arranged in part within said bushing and said conduit portion, said plunger means having a chamber positioned at the lower end of said plunger in which is disposed a check valve means, and a passageway extending from the plunger



chamber to the end of the plunger located in the conduit portion, said plunger being further positioned in the bushing to form an intermediate chamber between the other chambers, a compression spring positioned in said intermediate chamber and adapted to urge the plunger to non-operative position, and a plunger actuating vane positioned in said conduit portion and adapted to depress said plunger each time air is caused to flow through said conduit portion toward the air operated tool and thereby supply a given amount of lubricant from the reservoir to the air stream.

2,560,240

PROCESS FOR PREPARING SULFONAMIDES

Rupert Oppenauer, Buenos Aires, Argentina

No Drawing. Application April 12, 1949, Serial No. 87,130
2 Claims. (Cl. 260—556)

1. Process for the preparation of sulfonamides by amidation of sulfochlorides, which comprises treating the sulfochlorides at normal pressure and in a temperature range of from 15° to 20° C. with liquid ammonia present in the form of a liquid NH_3-compound of addition to a vapor-pressure-reducing agent selected from the group consisting of ammonium nitrate, ammonium thiocyanate, and a mixture thereof.

2,560,241

TAPE APPLICATOR

Kenneth R. Pangburn and Emanuel T. Skomars, Duluth, Minn.

Application November 14, 1949, Serial No. 127,093
2 Claims. (Cl. 216—33)

1. In combination with a holder having an opening for dispensing tape from a roll of tape carried thereby, a relatively rigid lug extending outwardly from said holder adjacent said opening, an applicator finger carried adjacent said lug in substantial alinement therewith and ex-

tending beyond same slightly, said finger being spring biased away from said lug and having an upwardly arched end forming a pressure tip, a tape lock carried adjacent the outer end of said



lug and overlapping the edges of said finger to retain same in normal position away from said lug and to lock tape in position intermediate said lock and said applicator finger.

2,560,242
ALPHA-ALKYL,4-ALKYL CYCLOHEXYL-BUTYRIC ACIDS
Earl L. Pelton and Andrew A. Holzschuh, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. **Application January 3, 1949, Serial No. 69,036**
2 Claims. (Cl. 260—514)

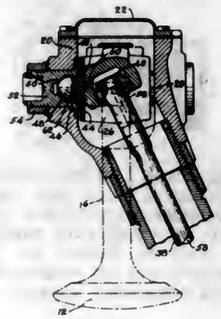
1. An α,4-di-alkyl cyclohexanebutyric acid, in which the alkyl groups are alike and have from 3 to 6 carbon atoms, inclusive.

2,560,243
SHOULDER REST DOUBLE-ARM SLING
Mary Coletta Peterson, Nampa, Idaho
Application January 26, 1950, Serial No. 140,617
1 Claim. (Cl. 128—94)



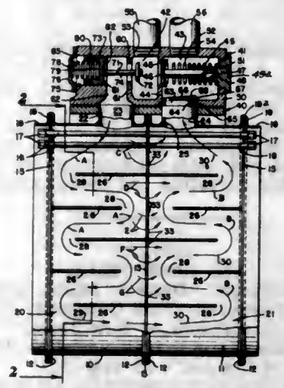
A shoulder rest double arm sling comprising a T-shaped sheet of flexible material, the laterally extending arms of said T-shaped sheet being adapted to embrace the waist of the wearer, fastening means on the outer end portions of said arms for securing said arms together, the stem portion of said T-shaped sheet being slotted centrally and vertically terminating in an elongated oval-shaped opening below the plane of said arms, which opening is adapted to accommodate the neck of the wearer, the material of the stem portion at opposite sides of said slotted opening comprising a pair of furcations which are substantially parallel and are spaced from each other, the upper portions of said furcations being adapted to rest on the shoulders of the wearer, and the lower portions of each of said furcations terminating in a sling, said sling being adjustable whereby the elevation and position of each sling relative to said oval-shaped opening may be changed.

2,560,244
ROCKER ARM THRUST BEARING
Charles N. Pitts, Paterson, and Harold Shauger, Fair Lawn, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application September 8, 1948, Serial No. 48,264
2 Claims. (Cl. 123—90)



1. A valve gear comprising a housing; a rocker arm mounted for pivotal movement within said housing and having at least a small amount of clearance with the side walls of said housing to permit limited movement of said rocker arm along its pivot axis, said rocker arm having a flat surface adjacent one end and disposed parallel to the plane of movement of said arm; a push rod operatively engageable with one rocker arm end for pivotally moving said arm; means carried by a wall of said housing providing a socket facing said rocker arm flat surface; and a member having a spherical portion fitted in said socket to provide a universal mounting for a flat surface on said member adapted to be disposed parallel to and in engagement with said rocker arm flat surface, said push rod being inclined to said plane of movement such that it urges said rocker arm flat surface into engagement with said universally mounted flat surface.

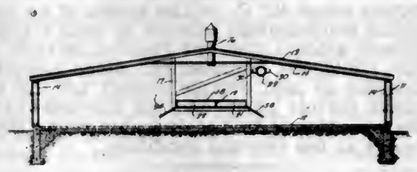
2,560,245
TWO-PORT COOLER
Walter R. Ramsaur and Raymond W. Jensen, Los Angeles, Calif., assignors to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application November 15, 1946, Serial No. 709,950
4 Claims. (Cl. 257—128)



4. In an oil cooler: means forming a tubular shell; a cooler core within said shell comprising

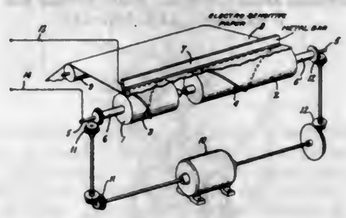
a plurality of radiator tubes extending longitudinally of said shell; end plates for the shell having perforations through which adjacent tube ends extend; a perforated intermediate tube supporting plate substantially parallel with the end plates and dividing the shell into inlet and outlet core sections, those tube receiving perforations in said intermediate plate along a line extending substantially diametrically of the shell along the flow path being of greater size than the tubes passing therethrough to provide bypass openings through said intermediate plate, the remaining perforations in said intermediate plate snugly receiving the respective tubes; and means substantially normal to the plane of the intermediate plate forming tortuous passageways through the respective core sections, said passageways being connected together in series.

2,560,246
WARM AIR RADIANT HEATED BROODER SYSTEM
Vincent A. Ream, Greenville, Ohio
Application May 20, 1949, Serial No. 94,438
2 Claims. (Cl. 237—3)



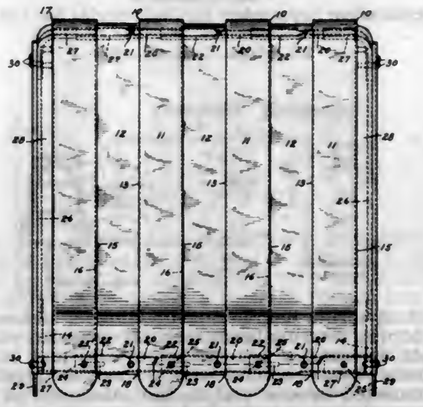
1. In a brooder house having a floor and a roof, a heating and ventilating system disposed within said brooder house and operatively connected thereto, said system comprising a vertically disposed furnace arranged within said house and secured to said floor for burning fuel under pressure and generating heat, a jacket disposed about and surrounding said furnace, a plenum chamber positioned on top of said jacket and in communication with the latter, a horizontally disposed radiator extending longitudinally of said house and positioned adjacent to and spaced from said floor of said house and dependingly supported from said roof, a source of fuel under pressure disposed within said house and operatively connected to said furnace, a source of air under pressure disposed within said house, a conduit having one end in communication with said air source and having the other end in communication with said jacket adjacent the lower end thereof for conveying the air under pressure to said jacket, a second conduit having one end in communication with said air source and having the other end extending exteriorly of said house and in communication with the atmosphere for conveying fresh air to said air source, a third conduit extending longitudinally of said house adjacent to and spaced from said roof and having one end in communication with said plenum chamber, said third conduit being provided with a plurality of outlet vents spaced therealong, a fourth conduit having one end in communication with said plenum chamber, a fifth conduit having one end in communication with said air source, said radiator including a pair of sections arranged in side by side relation and defining together a pair of longitudinally extending passages, said passages being in communication with each other adjacent one end, the other end of one of said passages being in communication with the other end of said fourth conduit, the other end of the other of said passages being in communication with the other end of said fifth conduit, and a thermosensitive control element resting upon said floor of said house beneath said radiator and operatively connected to said fuel source for controlling the admission of fuel to said furnace.

2,560,247
SPARK RECORDER APPARATUS
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 29, 1949, Serial No. 107,607
3 Claims. (Cl. 346—74)



2. In a spark recorder, the combination comprising at least two longitudinally spaced helical conductors, a printing bar located adjacent said helical conductors and parallel to the longitudinal axis thereof, said helical conductors being supported for rotation about their longitudinal axis, means for rotating one of said helical conductors at a predetermined faster angular velocity than the other of said helical conductors, and electric conducting means connected to said printing bar and to both said helical conductors for impressing a voltage impulse between said printing bar and each of said rotating helical conductors simultaneously.

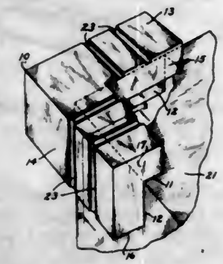
2,560,248
VARIABLE WIDTH RIGID AWNING
Howard C. Riemann, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application April 17, 1948, Serial No. 21,574
11 Claims. (Cl. 160—222)



1. In a variable width awning roof, a series of elongated slats each having a high and a low longitudinal portion interconnected by a rigid wall, said slats being disposed side by side with the high portion of one slat overlapping the low portion of an adjoining slat, and a transverse

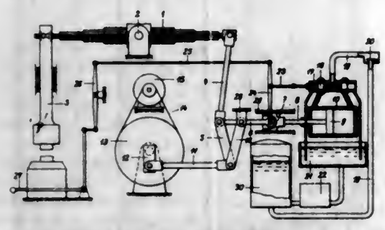
supporting frame section secured to each slat and having an end portion overlapping the adjacent end portion of the frame section of said adjoining slat to unite the overlapped slats, said overlapped frame sections and slats being relatively adjustable laterally of the slats to vary the overall width of the united slat assembly.

2,560,249
MOLDED PULP CORNER PROTECTOR
Arthur H. Risch, Wauwatosa, Wis., assignor to Pulp Reproduction Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 23, 1948, Serial No. 66,999
3 Claims. (Cl. 206—46)



1. In a protector for the corner of an article during storage and shipment, a unitary body of molded fibrous paper pulp having three resilient inner walls snugly engageable with the three intersecting corner surfaces of the article, and also having three resilient outer walls spaced from and disposed approximately parallel to said inner walls and integrally connected to the bounding edges of the latter by resilient transverse walls to provide a substantially enclosed air filled cushioning chamber within the wall assembly, all of said parallel and transverse walls being of approximately the same uniform thickness throughout their entire areas.

2,560,250
SPRING HAMMER
Erich Roučka and František Streit, Brunn, Czechoslovakia
Application September 21, 1949, Serial No. 117,045
In Czechoslovakia October 22, 1948
3 Claims. (Cl. 78—32)

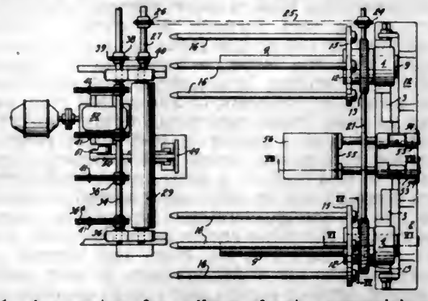


1. A spring hammer, comprising: a stationary fulcrum, a spring beam rockably mounted on the said fulcrum, a tup carried by one end of the spring beam, a first connecting-rod pivotally connected by one end to the other end of the spring beam, a link pivotally connected by one end to the other end of the first connecting-rod, a second connecting-rod pivotally connected by one end to the other end of the said link, power-driven means for reciprocating the second connecting-rod, a suspension member adapted to swing by one end about a stationary axis, the other end of the suspension member being pivotally connected to the joint between the link and the second connecting-rod, a reciprocable member such as a cross-head, means for guiding the reciprocable member in a substantially rectilinear path, a third connecting-rod pivotally connected at one end with the reciprocable member and at the other end with the joint between the first connecting-rod and the link, and means for adjusting at will the position of the reciprocable member in its guiding means.

2,560,251
PROCESS FOR POLYMERIZATION OF N-VINYL COMPOUNDS
Donald Edward Sargent, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 3, 1945, Serial No. 576,154
9 Claims. (Cl. 260—88.3)

1. In the process of producing moldable polymeric N-vinyl pyrrole compounds wherein a monomeric N-vinyl pyrrole compound in solution in an inert organic solvent therefor is polymerized by subjecting the same, at a temperature below 40° C., to the action of an acid-reacting condensation catalyst in such a predetermined amount that the reaction mixture remains liquid, the improvement which comprises employing as said organic solvent for the said N-vinyl pyrrole compound an alkylene halide containing from 1 to 3 carbon atoms, and which is stable at the reaction condition.

2,560,252
SHEET PILER
Frederick K. Schefe, Gary, Ind., assignor to United States Steel Company, a corporation of New Jersey
Application June 4, 1947, Serial No. 752,334
3 Claims. (Cl. 214—6)



1. Apparatus for piling sheets comprising a pair of parallel rotatable heads, a series of forwardly extending parallel fingers carried by each of said heads, and means for rotating said heads in opposite directions so that the fingers carried thereby travel downwardly in the convergent direction, said fingers being adapted for disposition beneath the opposite edges of a sheet disposed between said heads and for withdrawal from contact with said edges at the lower extremity of the rotative movement thereof.

2,560,253
PISTON FOR INTERNAL-COMBUSTION ENGINES
Robert E. Sharp, Kansas City, Mo.
Application February 6, 1950, Serial No. 142,668
7 Claims. (Cl. 309—7)

7. In a piston for internal combustion engines of the class described having a head, a hollow cylindrical skirt depending from said head, and a wrist pin extending diametrically between and carried by the walls of said skirt, said skirt having a peripheral ring groove formed in the external surface thereof adjacent said head, said skirt being cut away at the base of said groove at opposite sides of the piston to form slots communicating with the interior of said piston, the portions of said skirt between the ends of said slots forming struts for supporting said head, said struts being in the vertical plane of said wrist pin, a horizontally disposed planar elongated plate substantially thinner than the width of said ring groove carried by said piston substantially at the horizontal mid-plane of said groove, said

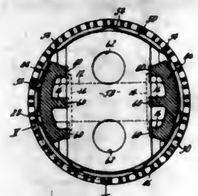
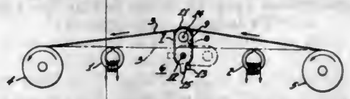


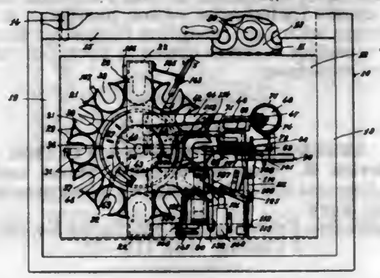
plate extending through said skirt at right angles to said wrist pin and being carried for longitudinal sliding movement in grooves formed therefor in said struts, the ends of said plate being curved to a diameter equal to the root diameter of said ring groove and disposed in said slots, a flat spring disposed in said ring groove with the portions thereof traversing said slots supported by the ends of said plate, and a resiliently expansible piston ring carried in said ring groove and adapted to be urged outwardly by said spring, said plate having apertures formed therethrough whereby oil may circulate against the piston head, and said spring and said piston ring having apertures formed therethrough for the circulation of oil.

2,560,254
DEVICE FOR SEPARATING THE MAGNETIC TRANSDUCER AND RECORD MEMBER DURING REWIND
James B. Shickel, Baldwinsville, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 26, 1948, Serial No. 17,222
2 Claims. (Cl. 179—100.2)



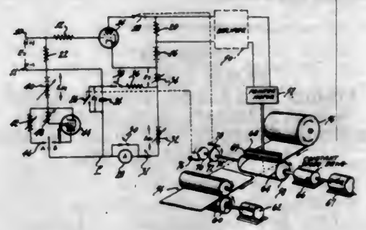
1. In a reeling system for sound translating apparatus of the type wherein a reelable record medium is adapted to be moved in either of two directions past a transducer in a path normally contiguous to said transducer, a device for moving the medium out of said path away from said transducer, said device comprising a record medium contacting member mounted adjacent to said path for limited pivotal movement, means responsive to the direction of movement of said record medium for developing a torque by frictional contact between said member and said record medium for rotating said member about its pivot to move said member from one to the other of two positions, and means including said member for moving said record medium out of said normal path upon rotation of said member to one of said positions and for restoring said record medium in said normal path upon rotation of said member to the other of said positions.

2,560,255
BOTTLE VENDING MACHINE
Henry Wilbur Shirley, Childress, Tex.
Application August 4, 1948, Serial No. 42,390
9 Claims. (Cl. 194—10)



6. In a bottle vending machine, a compartment adapted to hold a stack of bottles arranged end to end, dispensing means for moving said stack upwardly by successive steps to deliver the bottles one at a time from said compartment, a motor for actuating said dispensing means, coil controlled means including a coin chute and a coin controlled switch for closing the circuit to said motor, a sliding member having one end normally obstructing the passage of bottles from said compartment, and the other end thereof, when retracted, closing said coin chute, a solenoid in parallel relation with said motor and in series with said coin controlled switch, and said solenoid having a core operatively connected with said slide, whereby a coin deposited in said slot will close the circuit to the motor circuit and to said solenoid, and cause the latter to shift said sliding member to release a bottle and close said coin chute.

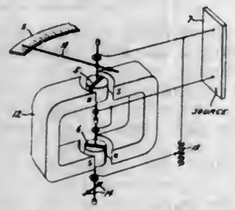
2,560,256
RECORDING VOLTMETER
Ross E. Shrader, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 26, 1948, Serial No. 29,221
5 Claims. (Cl. 346—33)



4. In a voltage measuring system, in combination, a gas-filled tube having a cathode, a grid and an anode, an input circuit for voltages to be measured, a capacitor, a variable voltage source of known magnitude, said circuit, said capacitor and said source being connected in series in the order named between said grid and said cathode, a second voltage source of known magnitude, circuit means including first and second elements connected to said second voltage source and selectably connectable to said capacitor to charge said capacitor either at a known linear rate or at a known exponential rate, a recording device connected to said tube having a periodically repeating operating cycle and responsive to conduction in said tube to produce a record representative

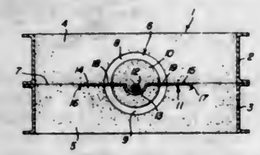
of the time at which said tube first conducts current during any cycle of operation of said recording means, means including a switch operatively associated with said recording means for supplying anode voltage to said tube only during the cycles of operation of said recording means, and means including a switch operative in synchronism with said recording means for shorting said capacitor between cycles of operation of said recording means.

2,560,257
INSTRUMENT DAMPING SYSTEM
Frederick R. Sias, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application February 27, 1946, Serial No. 650,702
6 Claims. (Cl. 171—95)



2. An electrical measuring instrument having a rotary moving element adapted to be rotatively deflected to different positions in response to measurements, a coil on said moving element, a relatively stationary unidirectional field in which said coil rotates, a second instrument having a coil rotatively mounted for rotation in a relatively stationary unidirectional field, said two instruments having a common supporting base with their moving coils rotating mechanically independently on parallel axes, circuit connections between said coils connecting like polarity terminals of said coils together whereby the voltages generated in said coils due to rotation of said coils in their fields in the same direction mutually tend to prevent such rotation whereby inertia deflection errors in the first mentioned electrical measuring instrument are minimized by the second instrument.

2,560,258
MOLD CHAPLET
Francis Paul Snyder, Davenport, and Robert S. Hendry, Bettendorf, Iowa
Application April 20, 1949, Serial No. 88,556
1 Claim. (Cl. 22—184)



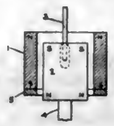
In combination, a sand core, said sand core being elongate and having a reinforcing rod extending longitudinally therethrough, sheet metal chaplets extending transversely through said core, said chaplet having a depressed portion within said core, within which depressed portion said rod is positioned, said chaplet extending below and in supporting contact with said rod, said chaplet having ends extending beyond said core and having down-turned ends for engagement in the sand of a drag mold.

2,560,259
METHOD OF TESTING AUTOMOTIVE DISTRIBUTORS
Patterson O. Stewart, Bronxville, N. Y.
Application April 17, 1951, Serial No. 221,434
1 Claim. (Cl. 73—118)



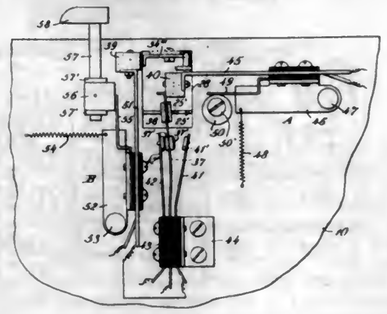
A method of testing an automotive distributor of the vacuum-controlled type by means of two relatively movable indicator members, the distributor including a shaft and a breaker plate rotatable independently of the shaft, which comprises the steps of affixing one of said members to the shaft, affixing the other of said members to the breaker plate, placing said members in a predetermined reference position relative to each other by rotating said one of said members on the shaft with respect to the breaker plate, successively applying different amounts of vacuum to the distributor while holding the shaft stationary, and observing from the departure of said members from said relative reference position whether the deflections of the breaker plate agree with standard deflections corresponding, respectively, to the different amounts of vacuum.

2,560,260
TEMPERATURE COMPENSATED MAGNETIC SUSPENSION
George R. Sturtevant, Swampscott, and Floyd H. Busch, Saugus, Mass., assignors to General Electric Company, a corporation of New York
Application July 12, 1949, Serial No. 104,324
7 Claims. (Cl. 308—1)



1. A magnetic suspension comprising two permanent magnets one of which is stationary and the other of which is movable in a vertical direction, said magnets being positioned adjacent each other and polarized in such directions that the magnetomotive forces between such magnets serve to produce a lifting force on the movable magnet, which lifting force increases as the movable magnet is lowered and decreases as the movable magnet is raised over a limited range of movement relative to the stationary magnet, and means for compensating such suspension for a decrease in the magnetic strength of such magnets due to an increase in ambient temperature comprising a non-permanent magnetic material which has a negative temperature coefficient of permeability secured in contact with one of said magnets in such a position as to vary the flux pattern of such magnet with change in ambient temperature as to compensate for any variation in permanent magnet flux strength and lifting force in the suspension.

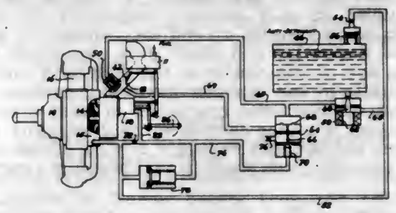
2,560,261
AUTOMATIC TOASTER MECHANISM
William Thomas, Rochester, N. Y., assignor to Samson United Corporation, Rochester, N. Y., a corporation of Delaware
Application September 26, 1946, Serial No. 699,570
8 Claims. (Cl. 99—329)



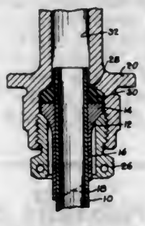
1. A thermostatically-operated circuit maker-breaker for energizing an electrical load during a controlled period of time to be wired in series with the load including two input terminals, a single-pole, double-throw switch connected to one of said terminals, a first bimetal arm electrically connected between the other of said terminals and one throw of said switch, a second bimetal arm electrically connected between said other terminal and the other throw of said switch, mechanical means for holding the movable contactor of said switch in the both-throw open position outside the period of energization, mechanical means for moving said movable contactor to a first throw-closed position to connect in said first bimetal arm to initiate the timing cycle, resilient means urging said movable contactor from said first throw-closed position to a second throw-closed position to connect in said second bimetal arm, detent means carried by said first bimetal arm arranged to hold said movable contactor in said first throw-closed position when said first bimetal arm is relatively cold and to release said movable contactor when said first bimetal arm is heat-warped to a predetermined position, resilient means cocked at the initiation of said cycle for restoring said movable contactor to the both-throw open position, and trigger means actuated by said second bimetal arm when heat-warped to a predetermined position to release said cocked resilient means.

2,560,262
AUTOMATIC ANTIDETONATION SYSTEM
Francis J. Wiegand, Ridgewood, and Erold F. Pierce, Pines Lake, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application November 6, 1943, Serial No. 509,336
25 Claims. (Cl. 123—25)

1. A system for inhibiting detonation in an internal combustion engine comprising means automatically operative in response to an increase in engine power above a predetermined value for effecting introduction of an anti-detonant into the engine, and means automatically operative when the supply of anti-detonant is exhausted for effecting a reduction in the engine power.



2,560,263
FLUID LINE CONNECTION
Francis J. Wiegand and Duis W. Meador, Ridgewood, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application May 9, 1946, Serial No. 668,491
13 Claims. (Cl. 285—95)

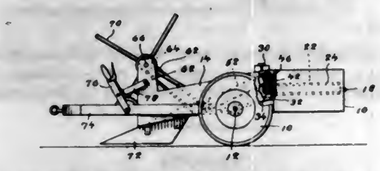


1. A fluid-tight joint comprising a first tubular member, a second member having a chamber within which said first member is received, an annular shoulder carried by said second member within said chamber and facing the open end of said chamber through which said first member is received, a collar disposed about and secured to said first member within said chamber and spaced axially outwardly from said shoulder, said first member extending into said chamber beyond said collar, an annular washer of resilient rubber-like material disposed in the annular space about said first member between said collar and shoulder, the securement of said collar to said first member being independent of said washer, said washer having a free external diameter greater than that portion of the radially outer wall of said space engaged by said washer and having a free internal diameter smaller than that portion of the radially inner wall of said space engaged by said washer, the external diameter of said collar being only slightly smaller than that of the adjacent wall of said chamber to prevent extrusion of said washer through the clearance between said collar and chamber wall by the fluid pressure behind said washer and means carried by said second member for retaining said collar within said chamber.

2,560,264
TRASH REMOVER
Marvin Wullweber, Virgil, S. Dak.
Application April 18, 1946, Serial No. 663,220
1 Claim. (Cl. 262—2)

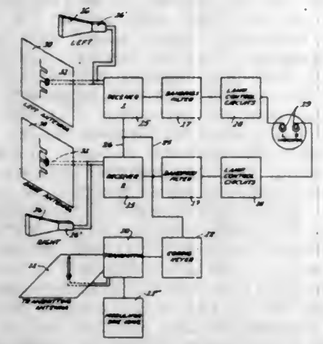
In a machine for removing trash having a body formed at the rear end thereof with a laterally

extending portion, the improvement comprising, a pair of shafts journalled in said body transversely thereof, rollers on said shafts, an endless conveyor on said rollers, a pair of shafts journalled in said laterally extending portion, rollers on said shafts, an endless conveyor on said rollers, a sprocket and chain drive connection between one of the shafts in the body and one of the shafts in the laterally extending portions to permit simultaneous operation of said endless conveyors, a motor carried by said laterally extending portion and having a driving connection with the remaining shaft in said laterally extend-



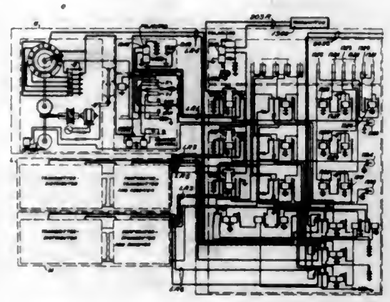
ing portions, vertical extensions on the body opposite to the end on which the laterally extending portion is formed, a shaft journalled in said extensions, a reel on said shaft, a chain drive connected between said last shaft and the other of the shafts journalled in said body, whereby said reel will operate simultaneously with said conveyor, a rake structure mounted in said body forward of the conveyor carried thereby, a shaft bail on said body, linkage connections between the bail and one of the vertical extensions for elevating the front end of the body and ground engaging wheels carried by the body rearwardly of the shaft bail.

2,560,265
AIRPLANE PROXIMITY INDICATOR
Charles Adler, Jr., Baltimore, Md.
Application December 24, 1948, Serial No. 67,143
1 Claim. (Cl. 343—112)



A proximity indicator for aircraft in flight to advise the respective pilots of the travelling aircraft when the location of their aircraft with respect to each other presents the possibility of mid-air collision, comprising on each of said aircraft means for continuously transmitting impulses of a predetermined high frequency, said transmitting means being omni-directional, a plurality of receiving means on said aircraft for receiving only impulses of the said transmitted frequency, said plurality of receiving means being directed to receive substantially in the plane of the altitude of said aircraft, and means connected to the receiving means respectively for indicating the position of another aircraft flying within the range of said transmitting means, said receiving means being selective to receive the impulses of aircraft flying at substantially the same altitude and within the range of the transmitting means.

2,560,266
COMMUNICATING SYSTEM
Walter M. Bacon, New York, and Edward F. Watson, Larchmont, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application December 30, 1938, Serial No. 248,426. Divided and this application September 25, 1948, Serial No. 51,228
2 Claims. (Cl. 178—2)



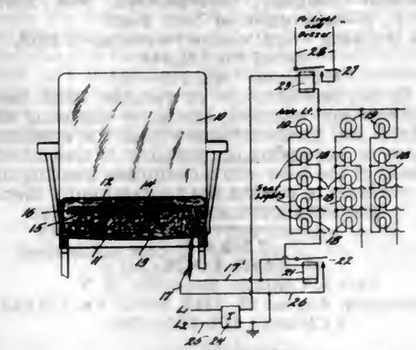
1. A telegraph switching system comprising a signal source for supplying sequences of message signals comprising an indefinite number of messages each of which is followed by and separated from the succeeding message by an activating signal, a disconnecting signal and a line connecting signal characterized in that means for switching the said messages selectively to any one of a plurality of outgoing lines comprises means first responsive to the activate signal for preparing for reception of the disconnect signal, by means responsive to the disconnect signal for disconnecting any one of said lines, and means responsive to the switching signal for selectively completing a connection of said source with a predetermined outgoing line.

2,560,267
HAIRBAND
Barbara R. Baker and Florence C. Zartman, New York, N. Y.
Application May 31, 1950, Serial No. 165,332
4 Claims. (Cl. 132—46)



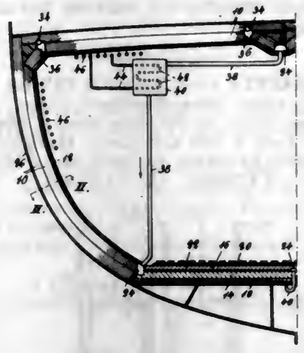
1. In a hair band, an elongated strip of flexible fabric of double ply of sufficient length to encircle the brow and lower rear portion of the scalp, means to secure together the opposite ends of said strip to form a band adapted to encircle the head, and an elongated flexible resilient clamping element positioned between said plies and extending lengthwise of said strip across the brow portion and having its ends located about midway of the length of the band when the ends of the strip are connected.

2,560,268
SEAT MUTILATION SIGNAL SYSTEM
Harold J. Ballam, New Orleans, La.
Application March 7, 1949, Serial No. 80,012
2 Claims. (Cl. 177—311)



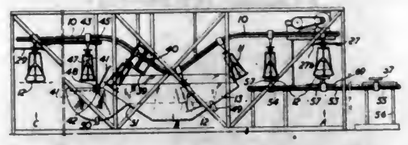
1. Means for indicating mutilation of a seat cushion or the like comprising padding, and upholstery covering the top and sides of the cushion, a pair of sheets of material adapted to conduct electricity, a layer of insulation between said sheets, said sheets and said layer being embedded in said cushion and lying close to the upholstery over the top and the sides of the same, signaling means on a fixed support adjacent the cushion, and electrical connections from said sheets to said signaling means.

2,560,269
INSULATED WALL AND ROOM
Erling Berner, Goteborg, Sweden, assignor to Isoleringsaktiebolaget WMB, Goteborg, Sweden, a corporation of Sweden
Application November 19, 1948, Serial No. 60,961
In Sweden November 21, 1947
1 Claim. (Cl. 169—2)



In an insulated room, wall structure comprising insulating material having a multiplicity of substantially vertical parallel channels extending therethrough, insulating material providing collecting channels extending transversely of the first mentioned channels and communicating with the upper and lower ends of the first mentioned channels, whereby to provide a channel system from which liquid is substantially entirely drainable by gravity, means providing a ventilating system for said walls including conduits connected with said collecting channels for circulating drying air through said channel system to absorb moisture from the insulating material and conduit means for supplying water to the upper part of said channel system to form a fire resistant curtain within said wall structure, and means communicating with substantially the lowest part of said channel system for draining water therefrom.

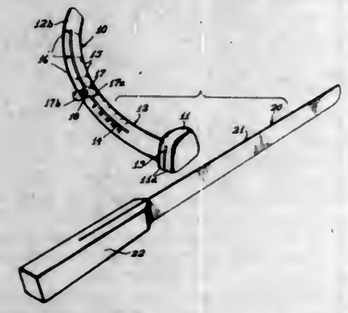
2,560,270
APPARATUS FOR USE IN GLAZING EARTHENWARE ARTICLES
Geoffrey Wallace Bird, Water Stratford, England, assignor to Taylor Stoker Company Limited, Euston, London, England, a British company
Application January 21, 1948, Serial No. 3,588
In Great Britain January 23, 1947
6 Claims. (Cl. 91—46)



1. A glazing machine for glazing earthenware and similar articles comprising in combination an endless conveyor arranged in a generally horizontal plane and including at least one downward dip, a dipping tank for a supply of a glaze bath positioned below said downward dip of the conveyor adjacent thereto, article carriers rotatably supported on said conveyor at spaced intervals to travel together with the conveyor, each of said carriers comprising downwardly extending gripping arms, a vertically downwardly extending rod, pivot means pivotally linking the upper ends of said arms to the rod, the lower portions of said gripping arms forming jaws adapted to grip an article to be glazed in the manner of a grapple, spring means secured to the lower portions of the arms for biasing the same into a gripping position, cam rider means axially slidable on said rod, and links pivotally connecting said cam rider means with each of said gripping arms so as to control the relative position of said gripping arms by varying the vertical position of the cam rider means on the rod for moving the gripping arms into a spread and a closed position respectively, first carrier actuating means including cam members mounted stationarily relative to the conveyor and positioned to engage said cam rider means so as to lift the same relative to the respective rod for a predetermined distance of travel of a carrier, thereby spreading said gripping arms for the said predetermined distance, said actuating means being positioned anterior to said downward dip as seen in the direction of travel of said conveyor, feeding means for feeding articles to be glazed individually to each of said carriers when and while the gripping arms of a respective carrier are spread, said feeding means being arranged in a generally horizontal plane, means for agitating said carriers to remove surface glaze from the articles carried thereby, when the articles have been carried through the glaze bath, said agitating means comprising driven means mounted on each cam rider means and driving means stationarily mounted alongside the conveyor, the said driven and driving means being positioned in a relative position in which they engage each other for a predetermined distance of travel of the conveyor so as to impart a rotary motion to the carrier for the said predetermined distance of travel, and second carrier actuating means in-

cluding cam members mounted stationarily relative to the conveyor and positioned to engage said cam rider means so as to lift the same relative to the respective rod for a predetermined distance of travel of a carrier, thereby spreading said carrier arms for releasing gripped articles from the carriers, said second actuating means being positioned posterior to said downward dip and said agitating means as seen in the direction of travel of the conveyor.

2,560,271
CUTTING GAUGE
Clarence F. Block, Barrington, Ill., assignor to C. F. Block & Associates, Chicago, Ill., a partnership
Application October 4, 1950, Serial No. 188,453
4 Claims. (Cl. 30—114)



1. A cutting gauge for circular pies and cakes which comprises a member having a slotted head adapted to be mounted on the blade of a knife in fixed frictional engagement therewith, a shank extending laterally from said head along an arcuate path, a longitudinal groove through said shank, marking indicia at spaced intervals on said shank along the length of the groove, and an indicator slidably mounted on said shank and in said groove for coacting with said indicia.

2,560,272
STACK COVER MECHANISM
John W. Boswell and Horace W. Waters, Macon, Ga.
Application March 19, 1947, Serial No. 735,746
8 Claims. (Cl. 105—62)

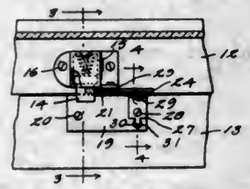


1. The combination with a vehicle including a control cab and a power plant having a plurality of exhaust stacks extending therefrom, of a stack cover mechanism comprising a plurality of stack covers slidable between two positions, in one of which the exhaust stacks are covered and in the other of which the exhaust stacks are uncovered, a slidable control shaft, means connecting each of said stack covers to said slidable control shaft for movement therewith, and means to slide said control shaft from within the control cab.

2,560,273
ELIMINATING CONTAMINATION IN VACUUM TUBES
Anthony H. Briganti, Dorneyville, and Charles E. Buchwald, Bethlehem, Pa., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 4, 1949, Serial No. 125,644
4 Claims. (Cl. 316—20)

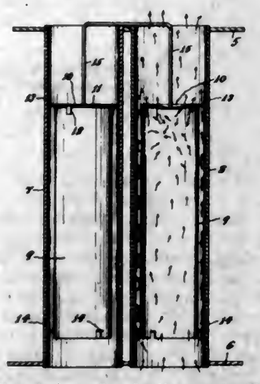
1. In the manufacture of vacuum tubes having thermionic emitters, envelopes enclosing the emitters, and glass surfaces within the envelope, the step of improving the stability of thermionic emission of the tube which comprises treating the glass surfaces to remove the contaminants therefrom to prevent their transfer to the emitter.

2,560,274
SASH LOCK
Carl J. Cantello, Brooklyn, N. Y.
Application August 29, 1949, Serial No. 113,013
2 Claims. (Cl. 292—335)



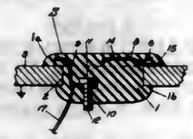
2. A sash lock for locking upper and lower sashes together, comprising a housing adapted to be secured to the lower rail of the upper sash, a spring-pressed bolt carried by said housing, a bolt holding member pivotally carried by said housing for holding said bolt in retracted position, an obtusely inclined lever extending from said bolt holding member, a flexible releasing member having an inwardly movable latch, and means mounting said releasing member on the upper rail of the lower sash for engagement with said lever upon lowering of the lower sash or raising of the upper sash to rock said lever and swing said holding member to released position relative to said bolt.

2,560,275
BAFFLE FOR BOILER TUBES
Stanley J. Clark, New Hartford, Conn., assignor to Acme Tank & Welding Co., a Division of United Tool & Die Company, Hartford, Conn.
Application February 19, 1948, Serial No. 9,572
7 Claims. (Cl. 110—97)



1. For a fire tube of a boiler, a baffle including a tubular member smaller than the inside of said fire tube and adapted to be positioned within the said fire tube, and a plate extending across an end of said tubular member and spaced therefrom to retard the flow of heat through said tubular member and thereby increase the heating thereof by said flow and direct a portion of said flow between the tubular member and the inner wall of the fire tube, the said plate being separate from the tube and having tabs bent downwardly therefrom and secured to the tube for supporting it, and other tabs extending outwardly from said plate, substantially on the plane thereof, for spacing the baffle from the walls of the fire tube.

2,560,276
PRESSURE OPERATED SWITCH
Fred R. Colgan, Jr., Los Angeles, Calif.
Application May 12, 1947, Serial No. 747,530
5 Claims. (Cl. 200—58)



1. A switch for mounting in an opening through the rim of a vehicle wheel for actuation in response to a change in tire inflation pressure, said switch comprising a body member of resilient insulating material subject to the tire pressure, end flanges on said body member confronting the upper and lower surfaces of said rim adjacent the rim opening, and a pair of cooperative contact members imbedded therein, said contact members being engaged with each other in an undeformed condition of said resilient body member and having different displacement characteristics upon deformation of said body member in response to an application of the tire inflation pressure to thereby obtain a separation of the contact members, and one of said contact members including an annular portion disposed above the upper rim surface and having an outer diameter greater than the diameter of the rim opening.

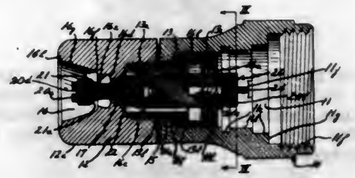
2,560,277
METHOD OF PREPARING ESTERS OF ETHER-SUBSTITUTED CARBOXYLIC ACIDS
Willard J. Croxall, Bryn Athyn, and Marian F. Fegley, Mont Clare, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 2, 1948, Serial No. 52,610
6 Claims. (Cl. 260—473)

1. The process of preparing esters of the formula

$$(RO)_nCCH_2COOR$$
$$\quad\quad\quad R'$$

which comprises reacting between 20° and 110° C. in the presence of an alkaline catalyst a substituted acetylene, $R'C{\equiv}CH$, and an ester of carbonic acid and a monohydric alcohol, $(RO)_2CO$, R' being a member of the class consisting of alkyl groups of not over four carbon atoms, vinylidene groups of two to three carbon atoms, and the phenyl group, R being an alkyl group of not over two carbon atoms, n being an integer from one to two, and said catalyst being a member of the class consisting of (a) alkali metal acetylides, (b) alkali metal alcoholates in which the alcohol residue is that of a saturated aliphatic monohydric alcohol of not over four carbon atoms, and (c) quaternary ammonium alcoholates in which an alkoxide group of one to four carbon atoms is one of the five N-substituents, two to four of the N-substituents are supplied by the methyl group, and the benzyl nucleus makes up any needed balance of the five N-substituents.

2,560,278
ADJUSTABLE NOZZLE
Clarence R. Curtis, Lombard, Ill., assignor to F. H. Smith Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 16, 1947, Serial No. 768,952
8 Claims. (Cl. 299—136)



1. An adjustable nozzle comprising a hollow body member adapted to be connected at its rear portion to a fluid conduit, a head rotatably mounted on the front end of said body member and having a central passageway communicating with the bore of said body member, a shoulder projecting inwardly into said central passageway, said passageway being outwardly flared forwardly of said shoulder, a flow control member mounted in said central passageway, means for axially moving said flow control member in response to rotation of said head relative to said body member, said means including a tail portion carried by said head and extending axially therefrom to the interior of said hollow body member, said tail portion being rotatably journaled in said hollow body member and said tail portion and said body member having mating frusto-conical sealing surfaces, resilient means interposed between said head and said body member to urge said frusto-conical sealing surfaces into fluid sealing engagement, said flow control member having an enlarged portion on the front end thereof disposed in said control passageway forwardly of said shoulder, said flow control member also having an annular abutment surface thereon disposed rearwardly of said shoulder, whereby the axial movements of said flow control member in either direction are limited and fluid flow cutoff, by the respective engagements of said shoulder with said enlarged portion or with said abutment surface, and at intermediate axial positions of said flow control member said enlarged portion cooperates with said outwardly flaring surface to produce an adjustable spray.

2,560,279
ADJUSTABLE NOZZLE
Clarence R. Curtis, Lombard, Ill., assignor to F. H. Smith Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application August 7, 1948, Serial No. 43,017
12 Claims. (Cl. 299—73)

11. In an adjustable spray nozzle provided with an axial bore adapted for the flow of fluid therethrough, the improvement of a baffle disc extending radially across said bore, said disc

having flat faces and arcuate portions removed from opposing curved edges thereof, an axially bored sleeve carried by said housing downstream of said disc and having a pair of arcuate upstanding shoulders engaging said disc and defining plane flow-directing side surfaces directly downstream of said disc, and means for effecting



relative movement between said disc and said sleeve to change the path of fluid flow about said disc between said shoulders, against the shoulder side surfaces and through the bore of said sleeve.

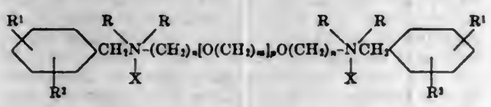
2,560,280

BIS-QUATERNARY AMMONIUM COMPOUNDS

Peter L. de Benneville, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application June 23, 1950, Serial No. 170,045
9 Claims. (Cl. 260—567.6)

1. As new chemical substances, compounds of the formula



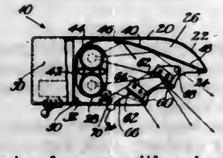
wherein R is an alkyl group of not over two carbon atoms, R^1 is an alkyl group of seven to ten carbon atoms, R^2 is a member of the class consisting of hydrogen and the methyl group, m is an integer from one to two, n is an integer from one to two, p is a number from zero to three, and X is an anion.

2,560,281

LUMINAIRE WITH GLARE SHIELDING MEANS FOR PRODUCING AN OPTIMUM DISTRIBUTION OF LIGHT ON A WORK SURFACE

Leroy C. Doane, Essex, Conn., assignor to The Sight Light Corporation, a corporation of Connecticut

Application November 29, 1945, Serial No. 631,644
2 Claims. (Cl. 240—51.11)



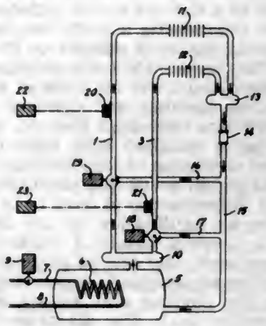
1. A luminaire for use with a horizontally disposed source of light consisting of a plurality of luminous tubes mounted one directly above the other, comprising means for holding the tubes, a shield mounted below the tubes for cutting off downward rays therefrom, and a shallow reflector having a back mounted closely behind the tubes and a portion curving upwardly and over the tubes, and a wide forward portion extending for a considerable distance in front of the tubes in a somewhat flat but downwardly sloping direction, said reflector having a continuous reflecting surface of a specular character, and a plurality of spaced inclined shields mounted in the region between the front edge of the reflector and the tubes, the shield nearest the front edge of the reflector having its upper edge about on a level with the front edge of the reflector but being spaced a substantial distance rearwardly thereof, the rearmost shield being lower than the shield nearest the front of the reflector and being wholly in front of the lowermost tube, both of said shields having light diffusing reflecting surfaces facing the tube.

2,560,282

DEVICE FOR AUTOMATIC REGULATION OF ROOM TEMPERATURE IN BUILDINGS

Josef Geisseler, Thalwil, Switzerland, assignor to Landis & Gyr, A-G., a corporation of Switzerland

Application March 24, 1947, Serial No. 736,845
1 Claim. (Cl. 237—8)



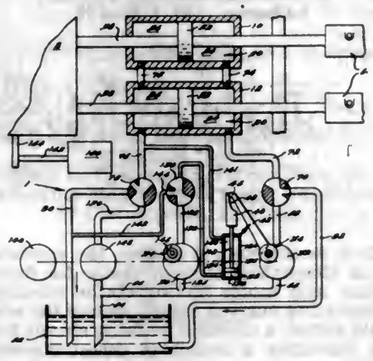
In an apparatus for heating and regulating the temperature of a building having a plurality of heating zones, means for supplying a high temperature heating fluid, first valve means in said supply means for controlling the temperature of the fluid supplied thereby, fluid conducting means providing a continuous flow circuit between said supply means and each of said heating zones, by-pass conducting means interconnecting the input conducting means leading into each zone with the conducting means returning the fluid to said supply means, other valve means operative at the injunction of each input conducting means and its by-pass conducting means, cooperating temperature responsive means associated with each zone one external of the associated zone and another in heat-exchange relationship with the fluid conducting means for the associated zone, and circuit means operative by said temperature responsive means to simultaneously adjust said valves so as to supply high temperature fluid to zones below a determined temperature and fluid of lower temperature to zones having the required temperature, said first valve means being under the control of the cooperating temperature responsive means having the external one requiring the greatest amount of heat of all the temperature responsive means.

2,560,283

FLUID CONTROL SYSTEM FOR FLASH WELDERS

Boyd V. Giesey, Ferndale, Mich., assignor to Progressive Welder Company, Detroit, Mich., a corporation of Michigan

Application November 15, 1946, Serial No. 710,195
21 Claims. (Cl. 60—52)



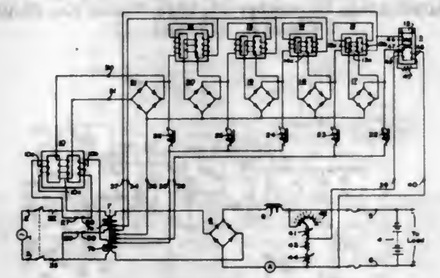
12. In a control mechanism for a movable element, means operable to cause movement of the element through a working stroke, means for varying the rate at which the element is moved by said first-named means, and mechanically driven movable means having a predetermined time-movement characteristic and movable independently of the movable element but concurrently therewith for regulating said varying means during the working stroke whereby said first-named means is operable to move the element in accordance with a predetermined rate pattern.

2,560,284

VOLTAGE REGULATING SYSTEM

Otho D. Grandstaff, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application October 26, 1945, Serial No. 624,775
11 Claims. (Cl. 321—25)



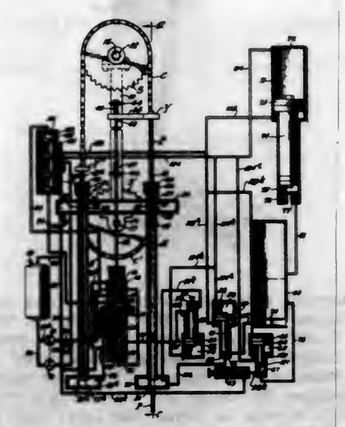
1. A balanced saturable reactance amplifier for use in a voltage regulating system comprising a source of alternating current, a plurality of saturable reactors, a plurality of other reactors, a variable impedance winding on each of said first reactors connected across said source in series with a corresponding one of said second reactors, a plurality of bridge type rectifiers, a connection from a tap on said source to one A. C. terminal of each of said rectifiers, a connection from each junction between the first and second reactors to the other A. C. terminal of a corresponding one of said rectifiers, a saturating winding on each of said first reactors, connections between the saturating winding on each reactor succeeding the first and the D. C. terminals of the rectifier corresponding to the preceding saturable reactor, an input circuit connected to the saturating winding on the first saturable reactor, and an output circuit connected to the D. C. terminals of the rectifier corresponding to the last saturable reactor.

2,560,285

HYDRAULIC POWER UNIT

August F. Habenicht, Tinley Park, Ill.

Application July 15, 1948, Serial No. 38,812
4 Claims. (Cl. 60—51)



1. In a hydraulic engine adapted to move in vertical reciprocating motion a load having substantial mass, a power cylinder, a piston reciprocable therein, inlet means for introducing hydraulic fluid into the cylinder comprising a valve having an open position and a closed position, said valve when in the closed position providing a restricted passage for the flow of fluid, a closed chamber communicating with the cylinder adapted to receive hydraulic fluid until the pressure on said fluid exerted by the gas in the chamber is sufficient to start the piston, and control means automatically responsive to the movement of the piston operative to open the valve when the load is to be moved against the force of gravity and to close the same when the load is being moved in a direction wherein its motion is aided by the pull of gravity.

2,560,286

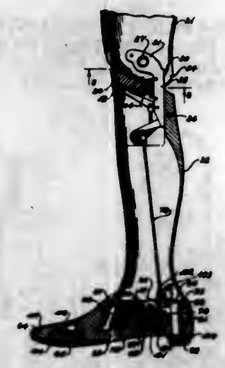
KNEE LOCK FOR ARTIFICIAL LIMBS

James E. Hanger, III, Washington, D. C., assignor to Metal Limb Manufacturers, Inc., Washington, D. C., a corporation of Delaware

Application May 19, 1948, Serial No. 27,876
15 Claims. (Cl. 3—2)

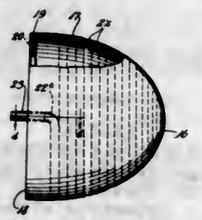
1. An artificial limb having in combination, a thigh member provided with a catch, a calf member pivotally connected to said thigh member, a foot member pivotally connected to said calf member, a knee lock mechanism connected to the calf member and including a pawl arranged to be moved into and out of engagement with said catch, a control bracket connected to the calf member, rotatable means connected to said

control bracket, means operatively connecting said rotatable means to said pawl, an operating rod connected at its lower end to said foot member, means pivotally connecting the upper end of said rod to said rotatable means, a lost motion connection between the movable means and the pawl for allowing vertical displacement of the operating rod a predetermined distance when the pawl is disengaged from the catch without disturbing the position of the pawl, and yieldable means between the movable means and the pawl



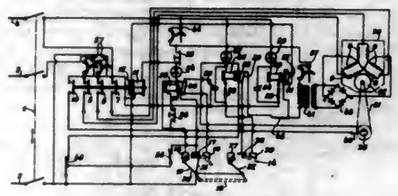
for allowing vertical movement of the operating rod without disturbing the pawl when the latter is in locking engagement with the catch, the parts being constructed and arranged so that upon rocking movement of the foot member in one direction to cause the operating rod and the rotatable means to move the pawl into engagement with the catch and upon movement of the foot member in an opposite direction to actuate the operating rod and the rotatable means to disengage the pawl from the catch.

2,560,287
PROTECTIVE COVERING TO PREVENT ICE ACCUMULATIONS
Thomas C. Harper, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 19, 1944, Serial No. 554,807
13 Claims. (Cl. 244—134)



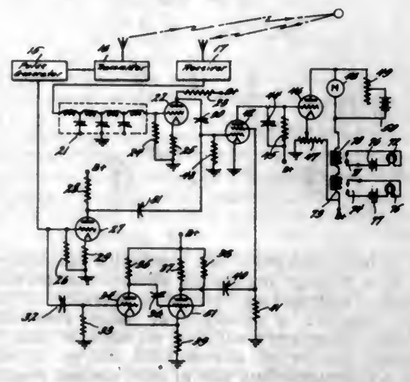
2. Apparatus for preventing ice accumulation on a surface, said apparatus comprising a covering of resilient rubber-like material for said surface having an inflatable tubular passage therein spirally arranged in a plurality of convolutions from an intermediate region of said covering radially outward for distension of the covering by inflation of said passage progressively and continuously along the spiral.

2,560,288
DYNAMIC BRAKING FOR ELECTRICALLY DRIVEN MACHINES
Valentine Pearce Harvey and Gordon Francis Wellington Powell, London, England, assignors to Molins Machine Company Limited, London, England, a British company
Application May 18, 1948, Serial No. 27,686
In Great Britain May 27, 1947
3 Claims. (Cl. 318—369)



1. In a motor control system, the combination with an alternating current motor for driving a machine, said motor having stator windings, of an alternating current supply source for energizing said motor, a dynamic braking circuit for said motor including a source of direct current for energizing said stator windings, a switch operating lever movable between a motor stopping position and a motor running position, a relay energized on movement of said lever to motor running position, said relay being operable when energized to connect said supply source and said motor and being operable when deenergized to connect said direct current source with said stator windings to effect dynamic braking, a holding circuit for said relay, and switching means driven by and operable in timed relation with said machine for periodically opening said holding circuit, whereby on return of said switch operating lever to stopping position and opening of said holding circuit by said switching means, said motor is disconnected from said supply source and dynamically braked.

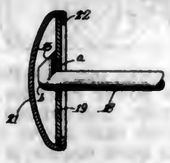
2,560,289
PULSED DISTANCE MEASURING INSTRUMENT
Arthur F. Hasbrook, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application December 31, 1948, Serial No. 68,593
5 Claims. (Cl. 343—13)



1. Apparatus for measuring the time displacement of two pulsed signals including, in combination, a thermionic tube having control and screen grids, means supplying in overlapping time

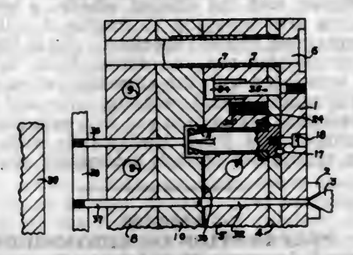
relation to the control grid of said tube a negative reference pulse and a negative pulse to be measured, biasing means applying a bias to said tube such that either of said pulses drives the tube to cut-off, means periodically applying an operating voltage to said screen grid for a period including the whole period of said reference pulse and appreciably longer than either of said pulses, said voltage being initiated concurrently with the leading edge of said reference pulse, devices for measuring the average output of said tube, and connections between said tube and said devices.

2,560,290
HEADED AXLE OR ROD AND METHOD FOR MAKING SAME
Vernon C. Helberg, Evergreen Park, Ill.
Application May 29, 1946, Serial No. 672,936
10 Claims. (Cl. 46—221)



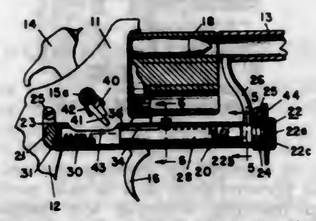
6. The method of producing a toy axle assembly which consists in forming a notch in an axle near an end thereof, the walls of said notch forming an angle of substantially 90°, bevelling the end of the axle adjacent said notch, inserting the notched and bevelled end through an apertured plate, and bending said end of the axle by a force applied to the bevelled end to close said notch.

2,560,291
APPARATUS FOR MOLDING THREADED ARTICLES
John L. Howie, Jr., Decatur, Ill., assignor to The Grigoleit Company, Decatur, Ill., a corporation of Illinois
Application October 24, 1946, Serial No. 705,304
2 Claims. (Cl. 18—35)



2. In a mold for forming interrupted internal threads in an article comprising: a collet comprising an annular base, arcuate sections projecting from said base and forming between them a hollow cylinder threaded at its free end, said sections being spaced apart circumferentially of the collet with the edges of the sections forming slots which have narrow portions coinciding with the threaded portion of the collet, a tapered shoulder on the inner surface of the collet in juxtaposition to said base and connecting a larger radius base surface with a smaller radius portion extending towards the free end of the collet, a second tapered shoulder on said inner surface adjacent the free end of the collet and connecting said smaller radius surface with a still smaller radius tip portion, said collet sections being tensioned to move inwardly so that they abut together at the free end of the collet; a spreader comprising a cylindrical body having sliding fit with the base internal surface of the collet and a tip cylindrical portion having sliding fit with the smallest radius tip portion of the collet, a tapered shoulder on the spreader connecting the body and tip portions and moved into engagement with said first collet shoulder as the spreader is moved longitudinally into the collet to spread the sections of the collet into cylindrical form, and projections on the tip of the spreader moved by further longitudinal movement into engagement with said edges of the narrow portions of the slots in the collet to complete the mold.

2,560,292
GAS PISTON OPERATED REVOLVER
Robert Kauch, Alexandria, Va.
Application August 13, 1948, Serial No. 44,091
7 Claims. (Cl. 89—192)

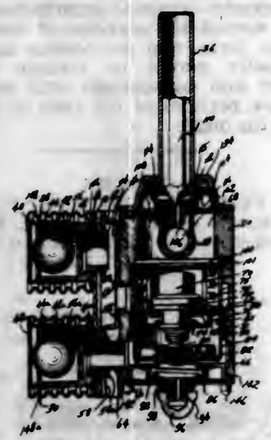


1. In combination, a revolver having a fixed barrel, a chambered cylinder and firing mechanism including a firing hammer mounted on a shaft operative when rotated in one direction to effect cocking of the hammer and rotation of the cylinder, and means for rotating said shaft in said one direction upon firing of a cartridge in the chambered cylinder including a gas cylinder, a piston mounted for reciprocation therein, a gas connection between the barrel and one end of the gas cylinder whereby the piston is actuated toward the other end of the cylinder in response to pressure of gas in the barrel, a coil spring contained in the gas cylinder and being interposed between the other end thereof and the piston so as to be compressed by the piston as the latter is moved against the spring by the gas pressure aforesaid and to actuate the piston in its return movement when the pressure in the barrel is spent, and one-way clutch means operative between said hammer shaft and said piston for translating return movement of the piston into rotation of the hammer shaft in said one direction.

2,560,293
THERMOSTATIC FLUID MIXING VALVE
Leslie A. Kempton, St. Petersburg, Fla., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application January 2, 1947, Serial No. 719,827
9 Claims. (Cl. 236—12)

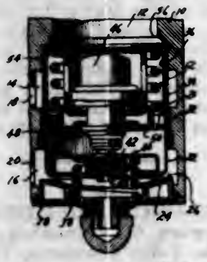
1. A fluid mixing valve of the type wherein controlled streams of fluid are mixed to obtain a resultant fluid stream, said valve having a body having an inner side wall defining a fluid mixing cavity extending therethrough, said caving being symmetrical about an axis through said body, said body also having two axially spaced openings in communication with said cavity to admit fluid streams thereto, an axially shiftable element contained within said cavity, an annular boot of flexible material passing over one end of said ele-

ment and in engagement with the wall of said cavity in the region between said openings, means providing a wall of decreased diameter between the end of said element covered by said boot and the corresponding end of said cavity so as to prevent fluid flow from one of said openings to said cavity when said boot engages said wall, a closure for the end of said cavity, said closure having a



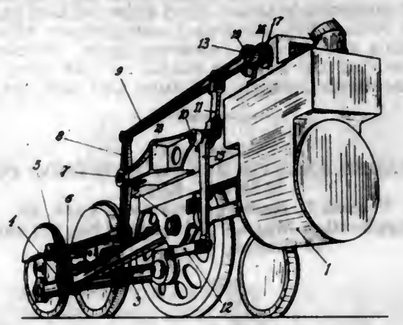
surface to be engaged by the opposite end of said element to prevent fluid flow to said cavity from said other opening, whereby the complete assembly may be made by inserting said element and said boot into said cavity and attaching said closure member to said body, said boot being constructed so as to remain in a stretched condition in all normal positions of said element so as to follow the movements thereof.

2,560,294
PISTON SEAL BOOT
Leslie A. Kempton, St. Petersburg, Fla., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application January 2, 1947, Serial No. 719,829
5 Claims. (Cl. 251—22)



1. A valve having in combination a body with a cavity, said cavity having an inwardly extending wall, a movable piston engageable with said wall to control fluid flow to said cavity, and an open-ended generally cylindrical boot of flexible material overlaying said piston about the surface engaged by said wall and attached to the inner surface of said cavity, said boot encircling said piston in all positions of travel thereof thus providing a fluid tight seal between said piston and said cavity, and the overlying end of said boot providing a valve face between said piston and said wall.

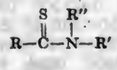
2,560,295
PRESSURE FLUID ENGINE
John J. Kupka, Gladstone, N. J., assignor to Jupiter Steam Appliances, Inc., New York, N. Y., a corporation of New York
Application April 19, 1946, Serial No. 663,301
2 Claims. (Cl. 105—48)



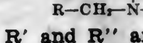
1. In a reciprocating pressure fluid driven locomotive engine, a power cylinder, a cross head associated therewith, mechanism for transmission of power from said power cylinder to the driving wheels of such engine, a crank pin associated with a driving wheel of such engine, pressure fluid distributing means associated with said power cylinder, a rotary shaft co-operating with the pressure fluid distributing means aforesaid, a driving member for actuating said rotary shaft which is free to move substantially in a radial direction with respect to the axis of rotation of the aforesaid rotary shaft, a connecting rod provided with three journal bearings or pins, one of which being in engagement with the radially moveable driving member aforesaid, a swinging lever connecting with another journal bearing or pin of the aforesaid connecting rod at one part and actuated at another part thereof by an eccentric arm set at an angle of 90 degrees or thereabouts with respect to its associated crank pin which co-operates with the power transmitting mechanism between the power cylinder and the driving wheels, a secondary swinging arm engaging by means of a link with the remaining journal bearing or pin of the aforesaid connecting rod and driven from the crosshead associated with the aforesaid power cylinder and fulcrums for said swinging lever and secondary swinging arm which are in a selectively predetermined and fixed relationship with respect to the engine bed of such locomotive engine.

2,560,296
PREPARATION OF THIOAMIDES
Charles L. Levesque, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 20, 1948, Serial No. 45,431
4 Claims. (Cl. 260—551)

1. A process for preparing thioamides having the general formula

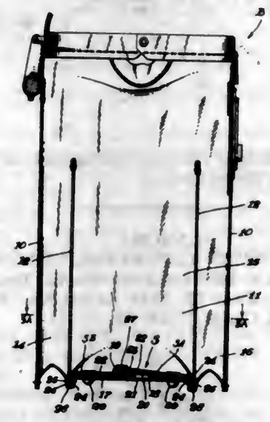


in which R and R'' represent alkyl groups of 1 to 18 carbon atoms and R'' represents a member of the class consisting of a hydrogen atom and alkyl groups of 1 to 18 carbon atoms, which process consists of chemically reacting under anhydrous conditions at a temperature of 100° C. to 200° C. and in the presence of an inert organic solvent (*a*) sulfur and (*b*) an amine having the general formula



in which R, R' and R'' are identical with the same characters described above.

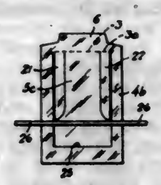
2,560,297
BRIEF CASE
Samuel H. Lifton, New York, N. Y.
Application July 10, 1947, Serial No. 760,081
2 Claims. (Cl. 150—1.6)



1. As a new article of manufacture for a brief case wherein a compartment is defined by spaced walls and an intervening gusset; comprising, an expandible and contractible spreader adapted to be interposed between said walls and including a pair of components of unequal heights to position the upper margin of one of said components above the upper margin of the other component of said pair in the collapsed relation of said spreader, said components having tapered sides contracting upwardly and inwardly in respect to said compartment in said collapsed relation, a covering secured to the upper surface of said components and in part straddling the upper margin of the higher component of said pair and constituting hinge means adjacent the top of the upper margin of the shorter component of said pair to permit swinging of one of said components relative to the other, complementary snap fastener means secured to said upper margins, said margins in the fully expanded relation of said spreader being arranged in closed superimposed and overlapping relation whereby said sides define tapered and inwardly converging relief openings, and said snap fastener means adapted to maintain said margins in said overlapped relation.

2,560,298
SHIRT HOLDER
Carl Otto Leonard Mannervik, Oskarshamn, Sweden
Application May 23, 1946, Serial No. 671,788
In Sweden December 6, 1945
4 Claims. (Cl. 223—71)

1. A shirt holder comprising, in combination a substantially rectangular frame member consisting of a piece of sheet material to be thrust into a shirt to keep it settled in stock or for display, a projection on the upper end of said frame member adapted to enter the neck-band or collar of the shirt to form a support for said neck-band or collar, an elongated central flap member hinged at one end on said frame member below the upper edge thereof, and sleeve holding strip

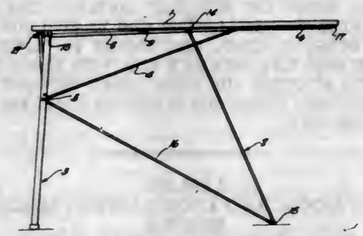


members located within the boundary of said frame member and laterally of said central flap member, said strip members being connected at one end to said frame member and adapted to support the sleeves of the shirt in the folding of the same on the shirt holder.

2,560,299
SYNTHETIC RESIN AND PROCESS OF MAKING SAME
Thomas Robert McElhinney, Lockport, La., assignor to Valite Corporation, New Orleans, La., a corporation of Louisiana
No Drawing. Application April 8, 1949, Serial No. 86,380
1 Claim. (Cl. 260—17.2)

A water-soluble, heat-hardening synthetic resin which is a mixed reaction product of a phenol with aldehydes and ketones made by the steps of liberating aldehydes and ketones from ligno-cellulosic material by acid-hydrolysis in the presence of live steam under pressure and simultaneously reacting a phenol with said liberated aldehydes and ketones to form a water-insoluble, non-heat-hardening resin, washing and drying the resin, heating the resin in an aqueous solution of sodium hydroxide and with agitation until the resin is melted and dissolved, adding formaldehyde to this solution and heating until the solution boils, and immediately adding an aqueous diluent to stop the reaction and form a solution of a water-soluble, heat-hardenable resin.

2,560,300
LEG LOCKING LATCH FOR IRONING TABLES
Guy O. Miller, Oak Park, Ill.
Application July 13, 1946, Serial No. 683,461
4 Claims. (Cl. 38—117)



1. An ironing table comprising a top, spaced front and rear leg units swingably mounted on said top, means connecting said leg units for movement in unison from a folded to an extended position, means for holding said leg units in extended position comprising a brace pivotally secured at one end to one of said leg units,

a guide mounted underneath said top extending parallel thereto and longitudinally thereof for slidably guiding the other end of said brace in the movement of the leg units from open to closed position, and vice versa, a lever latch extending underneath, adjacent and longitudinally of the table having an intermediate portion fulcrumed on said top at an intermediate portion of the top and having a hook-like latch end engageable by the guided end of said brace in its movement to force said hook-like end away from the top to enable the guided end to pass and to move to hooked latching position, the other end of said lever being adjacent an end edge of the top, means biasing said lever to move to latching position, and guide means straddling said lever latch adjacent the latching end for maintaining alignment, the guided end of said brace being a substantial distance forward of the mounting of that leg unit to which the brace is attached.

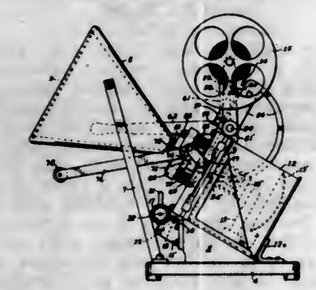
2,560,301

COVER SHEET STRIPPING MECHANISM

Nathan Harrison Morrison, Lowell, Mass., assignor, by mesne assignments, to Film 'n File, Inc., New York, N. Y., a corporation of Delaware

Original application March 31, 1947, Serial No. 738,384. Divided and this application July 22, 1949, Serial No. 106,277

9 Claims. (Cl. 154—1)



1. Apparatus for removing a temporary cover sheet from a marginal edge defining an opening in a card which comprises movable members having gripping portions normally spaced apart, means for holding a card against facewise displacement and with the opening therein between the gripping portions of said members, means for moving one of said members in one direction and the other of said members in the opposite direction to cause the gripping portions thereof to move towards one another and to grip the cover sheet between them, and means for thereafter moving said members as a unit with the gripping portions gripping the cover sheet between them in one of said directions to remove the cover sheet from the card.

2,560,302

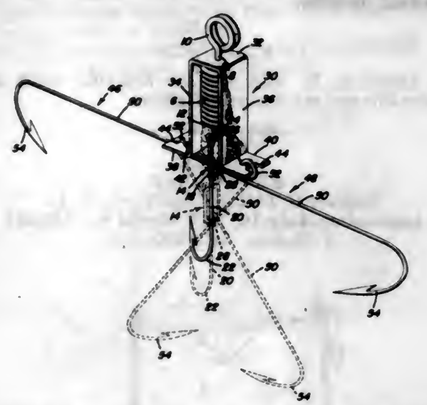
BAIT HOOK AND COMPLEMENTAL GAFF HOOKS

Luther S. Penninger, Raleigh, N. C.

Application December 30, 1949, Serial No. 135,934

4 Claims. (Cl. 43—34)

1. In a fishhook construction of the class shown and described, a coiled spring having a line attaching eye at one end, a trip link attached to the opposite end of said coiled spring, a bait hook attached to said trip link, a pair of gaff hooks, said gaff hooks having portions passing, in crossed relation, through said trip link, and means



pivotally mounting corresponding ends of the gaff hooks on said coiled spring.

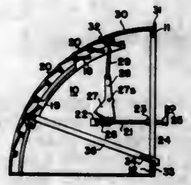
2,560,303

AWNING WITH ADJUSTABLE LOUVERS

Joseph S. Phillips, Fort Worth, Tex.

Application June 29, 1949, Serial No. 101,995

1 Claim. (Cl. 20—57.5)



An awning comprising a pair of spaced vertically disposed end plates each having downwardly and outwardly directed upper edges, a depending vertically disposed flange member supported by each of said end plates and inwardly positioned with respect to the latter, spaced parallel rods extending through and pivotally supported by said vertically disposed flanges, louvers secured to said rods between said flanges, cranks formed at corresponding ends of said rods, an actuating bar pivotally connected with said cranks, a segment gear linked with said actuating bar, and gear means supported and arranged for coaction with said segment gear.

2,560,304

INDICATING DEVICE

Ronald Anthony Pirie, Isle of Wight, England, assignor to Saunders-Roe Limited, Osborne, East Cowes, Isle of Wight, England

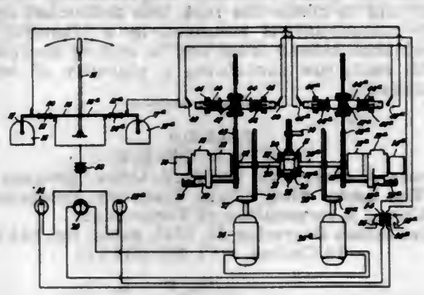
Application September 23, 1948, Serial No. 50,825

In Great Britain September 25, 1947

8 Claims. (Cl. 177—311)

1. In a power operated flying control system for aircraft, the combination with a pilot's operating member, a torque shaft for imparting movement to a control surface, a pair of power units each having an output shaft, a differential gear coupling said output shafts to said torque shaft, said power units being controlled by the pilot's operating member and being operative, in response to movement of said operating member and by rotating their output shafts in

the same direction, to move said torque shaft in a direction, and to an extent determined by the movement of said operating member, and a normally inoperative safety device, a pair of normally open switches which are arranged to close during movement of said operating member to



prepare one of a pair of electric circuits according to the direction of said movement, and to open again on cessation of movement of said operating member, and means rendered operative on actuation of said output shafts in opposite directions to complete the prepared circuit and thereby to render said safety device operative.

2,560,305

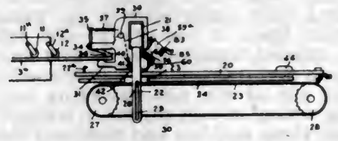
PROCESS AND APPARATUS FOR AUTOMATIC SEVERING OF SHEETS FROM A BAND OF GLASS

Michel Henry Marie Louis Ramain, St. Ingbert, Territory of the Saar, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France

Application October 26, 1948, Serial No. 56,617

In France October 29, 1947

19 Claims. (Cl. 49—48)



1. A method for automatically cutting rectangular glass sheets of trade sizes from an upwardly moving band which consists in effecting the successive operations of transverse severing of a sheet from the upwardly moving band, turning the sheet to a horizontal position, delivering it to a cutting table, shifting the sheet on the table before its final cutting so that its transverse edges will be placed square to the longitudinal axis of the table and cutting the long edges of the sheet parallelly to said longitudinal axis.

2. The combination with means for upwardly feeding a band of glass, of a cradle pivoted on a horizontal axis having a channel to receive the upper end of such band when the cradle is vertical, means for scoring the band transversely, means for turning the cradle from a vertical to a horizontal position, a cutting table adjacent to the free end of the cradle when horizontal, glass dragging tongs movable above the table, and means actuated by the movement of the cradle to horizontal position to move the tongs to engage the end of the glass in the cradle and to draw it therefrom and over the table.

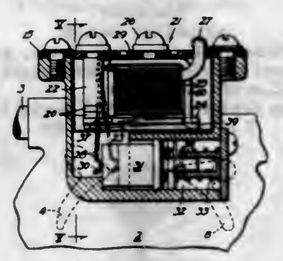
2,560,306

ACCESSORY SYSTEM OPERABLE BY EITHER OF TWO SUCTION SOURCES

Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application February 12, 1948, Serial No. 7,939

5 Claims. (Cl. 60—60)



2. An accessory system for motor vehicles, comprising, in combination with the intake manifold as a source of suction, an accessory operatively connected thereto, a control for the accessory, a suction-generating pump operable by an electric motor, a switch operable to close the motor circuit with a source of electrical energy, means operable by the control to close the switch, and lock means responsive to the manifold suction to preclude the closing of the motor switch when the manifold suction is ample.

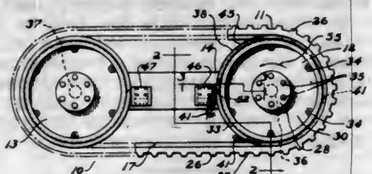
2,560,307

BAND AND PULLEY STRUCTURE

Charles O. Slemmons, South Bend, Ind., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application April 25, 1946, Serial No. 664,831

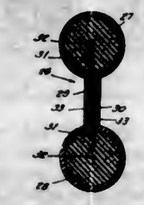
2 Claims. (Cl. 305—8)



1. A band and pulley assembly suited to use in the presence of flowable material, said assembly comprising, in combination, a band including a flexible body of rubber-like material having inner and outer faces and having a valley-like depression extending circumferentially in the inner face with side and bottom walls of said rubber-like material providing a working surface, and said band including laterally spaced-apart substantially inextensible tension-resisting elements extending circumferentially in said body each at a sidewall of said valley-like depression, and reinforcing means including relatively non-stretchable material in said body interconnecting said elements in a hammock-like arrangement resisting lateral spreading of said elements while permitting flexing of the latter elements in the direction radially inward of said inner face under circumferential flexure of said band, and a pulley having a peripheral face of a shape adapted for seating in said depression, and said peripheral face of the pulley having a material guiding and conducting groove therein extending circumferentially thereof, said groove being continuously unobstructed throughout its depth and length along the wrapped extent of the band on

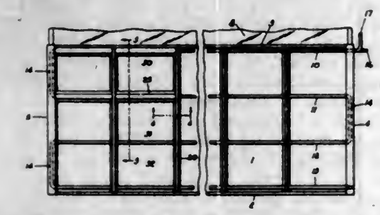
the pulley, and providing space for accommodating flowable material therein entering between said band and said pulley and for conducting the flowable material throughout the wrapped extent of said band on said pulley.

2,560,308
SEALING DOOR
Louis Spraragen, Bridgeport, Conn., assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn., a corporation of Connecticut
Application September 13, 1945, Serial No. 616,017
7 Claims. (Cl. 20—69)



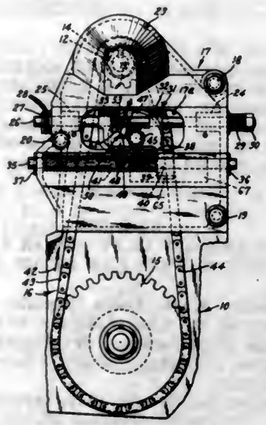
6. In a sealing means for closures, the combination of a closure member having an edge face; of a member having an edge face in opposed relation to the edge face of the closure member, the face of one member having a shallow longitudinal groove therein; and a sealing member mounted in the groove to extend longitudinally therealong, said member comprising a pair of substantially parallel beads of resilient compressible material, a substantially flat, thin, flexible web disposed broadside to the bottom of the groove and extending between and connecting together the beads, the opposite edge portions of the web being embedded and anchored in the heads, and a thick, continuous, abrasion-resistant cover of dense, tough, resilient material enclosing the said beads and web in their entirety, said beads being in engagement with the bottom of the groove, said groove having a depth less than the thickness of the beads whereby the bead projects beyond the face to be engaged by the opposed face of the other member, said bead being compressed between said face and bottom of the groove to form a seal between the two members.

2,560,309
REFRIGERATOR SYSTEM FOR PRODUCE STANDS
Harry Y. Stebbins, Los Angeles, Calif., assignor to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application October 8, 1949, Serial No. 120,325
6 Claims. (Cl. 62—89.5)



1. In a refrigerated display rack of the open type; a refrigerating coil extending back and forth from end to end of the rack and having a plurality of layers disposed with sections of the coil in each layer aligned vertically with corresponding sections in the other layers; lateral partition members extending from side to side of the rack and containing perforations through which said coil extends; and longitudinal partition members engaging the vertically aligned sections of said coil and abutting against adjacent ones of said lateral partition members to space the latter members longitudinally of the coil and to divide the rack into individual open top compartments arranged in a plurality of rows that extend from end to end of the rack, with each row containing a plurality of compartments.

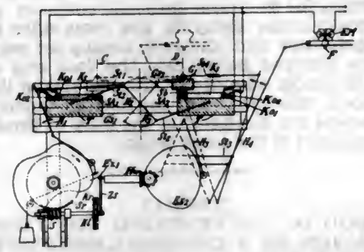
2,560,310
TAKE-UP DEVICE
Henry J. Stegeman, Fairfield, Conn., assignor to The Locke Steel Chain Company, Bridgeport, Conn., a corporation of Connecticut
Application December 21, 1949, Serial No. 134,173
14 Claims. (Cl. 74—242.11)



1. A slack take-up device for a chain comprising a roller adapted to engage the slack side of a chain, a fixed frame piece, a bar mounted by said frame piece at one side of said roller and having limited longitudinal sliding movement relative to said frame piece, a carrier slidable on said bar and at one side mounting said roller, a spring acting on said carrier to move it in one direction along said bar and maintain said roller in engagement with the slack side of said chain, means locking said carrier to said bar against movement therealong in the opposite direction, an auxiliary compression spring acting on said bar in the same direction as the first mentioned spring acts on said carrier and thereby also tending to hold said roller in engagement with the slack side of said chain, and a stop limiting expansion of said auxiliary spring.

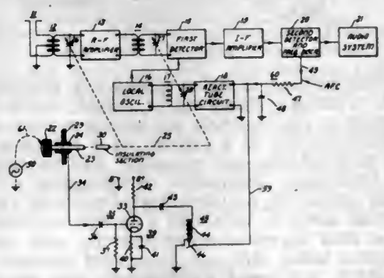
2,560,311
MECHANISM FOR THE MANUFACTURE OF ELASTIC SHAPE-KNITTED ARTICLES
Frantisek Stolle and Herman Stolle, Varnsdorf, Czechoslovakia, assignors of one-third to Antonin Pejsek, Prague, Czechoslovakia
Application August 7, 1947, Serial No. 767,143
In Germany June 7, 1944
7 Claims. (Cl. 66—84)

1. In a warp knitting machine having a driving shaft and two movable needle bars arranged for operation by said driving shaft, means for inserting an elastic weft thread under variable tension in the courses of a fabric during the knitting thereof on the machine, and comprising in combination, a thread guide arranged for reciprocation lengthwise of said needle bars and having driving means connected to said driving shaft for effecting said reciprocation, a gripping device arranged to co-operate with said thread guide for holding and arresting the weft thread, actuating means for said gripping device, and control means arranged for operation by said driving shaft of the knitting machine and



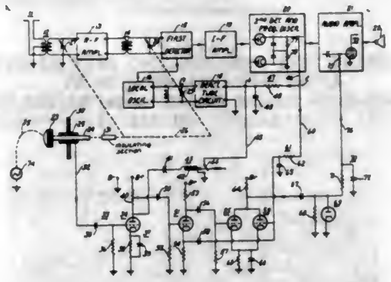
adapted to co-operate with said actuating means for actuating the gripping device to hold and arrest the elastic weft thread at an intermediate point in the travel of the thread guide and subsequently release the thread guide after it has been incorporated in the knitted fabric, said control means having adjusting means for varying the point in the travel of the thread guide at which the said actuating means operates the gripping device to arrest the weft thread.

2,560,312
TUNING AID FOR RADIO RECEIVERS
Joseph C. Tellier, Penn Wynne, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 3, 1947, Serial No. 777,826
10 Claims. (Cl. 250—20)



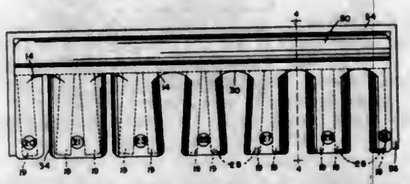
1. In a radio receiver having a chassis and having an automatic-frequency-control system for developing and utilizing an automatic-frequency-control bias, said receiver being adapted for use in the vicinity of electric power circuits and within the ambient electric fields which inherently surround said power circuits; manual control means, at least a portion of said control means being electrically conductive; means for insulating said conductive portion of said control means from said chassis; and means, responsive to potentials of said ambient electric fields inherently applied to said control means when said receiver is within said fields and said control means is contacted by the human hand, for reducing the utilized automatic-frequency-control bias substantially to zero during the time said control means is manually contacted.

2,560,313
MANUAL TUNING SYSTEM FOR RADIO RECEIVERS
Joseph C. Tellier, Penn Wynne, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 15, 1947, Serial No. 786,187
9 Claims. (Cl. 250—20)



1. In a radio receiver having a chassis and an automatic-frequency-control system for developing and utilizing a bias for automatic-frequency-control purposes, said receiver being adapted for use in the vicinity of electric power circuits and within the ambient electric fields which inherently surround said power circuits; a control element intended to be contacted manually by the operator during manual tuning of said receiver, at least a portion of said control element being conductive and insulated from said chassis; means responsive to potentials of said ambient electric fields inherently applied to said control element when said receiver is within said fields and said control element is manually contacted for developing a tuning-aid voltage within said receiver during said period of manual contact; means effective during manual contact of said control element for preventing utilization of said developed bias for frequency-control purposes during the period that said control element is manually contacted; and means responsive to said tuning-aid voltage for muting said receiver during the period of manual contact of said control element when, and so long as, said receiver is so tuned that the bias developed by said automatic-frequency-control system is different from a selected reference value.

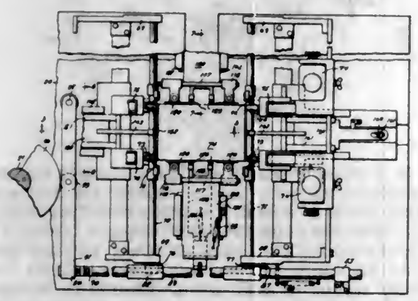
2,560,314
SHIELD FOR SHOE RACKS
Harry A. Tomarin, Cincinnati, Ohio, assignor to Loroco Industries Incorporated, Reading, Ohio, a corporation of Ohio
Application February 25, 1948, Serial No. 10,862
11 Claims. (Cl. 211—34)



1. A protective shield for a rack of the type comprising a rail section having projecting therefrom sets of shoe supporting members the upper surfaces of said members lying substantially in a single plane on one side of the rail, said shield fabricated from a sheet of fibrous material pro-

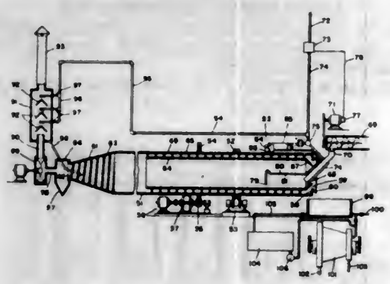
vided with a plurality of laterally spaced cuts extending inwardly from one edge thereof and terminating in an arcuate slit spaced from a second edge disposed in substantial parallelism with said first edge, for providing a plurality of tabs flexibly secured to a longitudinal member having an overall length substantially equal to the combined widths of said tabs.

2,560,315
MACHINE FOR ASSEMBLING BOX BLANKS
Louis Triolo, Brooklyn, N. Y.
Application August 4, 1949, Serial No. 108,455
10 Claims. (Cl. 154—1)



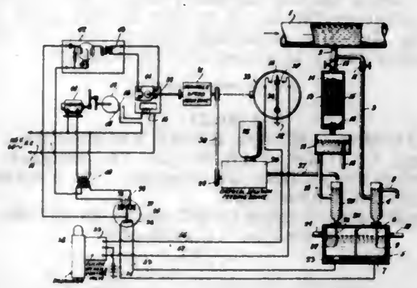
1. In a box machine, the combination of a reciprocable forming block for supporting the bottom and side walls of a creased box blank, slides movable towards the side walls of the blank and carrying heating members for engaging the corner sections of the box to permanently crease the edge of the corner tabs, members for applying adhesive to the walls of the box, and slides provided with tab-engaging pressure blocks which move towards such tabs after the creasing operation to press the tabs into engagement with the end walls.

2,560,316
APPARATUS FOR SLAKING LIME
Robert S. Walker, Allentown, Pa., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa., a corporation of Delaware
Original application February 20, 1946, Serial No. 649,056. Divided and this application June 4, 1948, Serial No. 31,120
4 Claims. (Cl. 23—287)



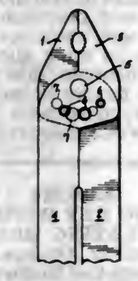
1. Apparatus for slaking lime and producing milk of lime comprising concentric inner and outer drums arranged for rotation in unison on a substantially horizontal axis, means for feeding unslaked lime at a predetermined constant rate to the head end of the inner drum, means for supplying slaking liquid at a predetermined, constant rate, proportional to the fed lime to produce a milk of lime of desired consistency, means for delivering a portion of the supplied liquid to the head end of the inner drum for admixture therein with the total of the fed lime to produce a slaked lime of viscous consistency, the foot end of the inner drum being open for the discharge of the material into the outer drum, a combined dust collector and steam condenser in communication with the foot end of the outer drum, means causing a draft of air, steam, and dust through the drums for discharge into said collector, means for continuously spraying the remainder of the fed liquid into said collector, means for conducting the sprayed liquid into the foot end of the outer drum for admxiture with the slaked lime, to produce a milk of lime of the desired consistency, and means for discharging the milk of lime from the head end of the outer drum.

2,560,317
METHOD OF DETERMINING THE CONCENTRATION OF A CHEMICAL CONSTITUENT OF A FLUID
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application February 27, 1946, Serial No. 650,611
8 Claims. (Cl. 23—230)



1. The method of determining the concentration of a halogen dissolved in a fluid, comprising the steps of continuously subjecting a portion of the fluid flowing as a stream at a constant velocity to treatment for removing said halogen as such therefrom, thereafter continuously adding to said stream at a determinable variable rate a chemical agent to establish a known concentration of said chemical agent therein, said chemical agent being different from said halogen but one which will react qualitatively the same as said halogen and quantitatively proportional therewith when subjected to a predetermined analytical test, said chemical agent further being one capable of being added continuously with greater precision and reliability than said halogen, said chemical agent further being a compound having a normal oxidation potential in the range between about that of iodine and about that of permanganate, and continuously comparing said stream to which said chemical agent is added with a similar stream of the untreated fluid by said predetermined analytical test to determine the relative equivalent concentrations of said halogen and said chemical agent, the results of such comparison, taking into account the determined rate of addition of said agent and the equivalent values of said agent and said halogen as they affect said analytical test, being indicative of the concentration of said halogen.

2,560,318
TOOL
Frank Joseph Wenger, Washington, D. C., assignor to Electronic Distributors Inc., Washington, D. C., a corporation of Delaware
Application July 6, 1948, Serial No. 37,112
5 Claims. (Cl. 30—226)



1. A bolt cutter comprising a pair of pivotally connected jaws each having an operating handle, a portion of one jaw overlapping a portion of the other, one of said jaws having a threaded opening through its said overlapping portion, spaced radially from the pivot, arranged and adapted to receive and hold a threaded portion of a bolt and the other of said jaws having, at like radial distance from the pivot, and in an overlapping portion of said jaw, a bolt-end-receiving opening which, in one operating position of said handles, comes opposite said bolt-holding opening in the first mentioned jaw.

2,560,319
HEAT-STABLE PLASTICIZED AMINO-TRIAZINE RESIN COMPOSITIONS
Herbert J. West, Pittsburgh, Pa., and Henry M. Enterline, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application January 4, 1945, Serial No. 571,368, now Patent No. 2,437,657, March 9, 1948. Divided and this application September 10, 1947, Serial No. 773,316
1 Claim. (Cl. 260—45.3)

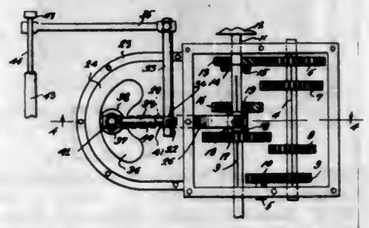
A resinous butylated melamine-formaldehyde condensation product which is a reaction product of melamine, formaldehyde and a butyl alcohol plasticized with a resinous reaction product of phthalic acid, glycerol and 2-ethyl hexoic acid.

2,560,320
RADIO TRANSMITTER-RECEIVER, INCLUDING SHIELDING CHASSIS AND PLUG-IN STAGES
Marion R. Winkler, La Grange Park, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application June 16, 1948, Serial No. 33,403
21 Claims. (Cl. 250—16)



1. A radio set including a chassis made up of individual cells arranged in a row, each of said cells being of substantially rectangular cross-sectional configuration and comprising a thin metallic wall having a seam on one side and being seamless on its other sides, all of the seams of the several cell walls being disposed on an outer side of the row, radio circuit elements arranged in a plurality of wave signal-handling stages, said stages being respectively disposed within said cells to be shielded thereby, and an electrically conductive plate joined to said cells on the seamed sides thereof.

2,560,321
TRANSMISSION CONTROL
Ottavio Zancan, New York, N. Y.
Application October 4, 1950, Serial No. 188,338
4 Claims. (Cl. 74—473)

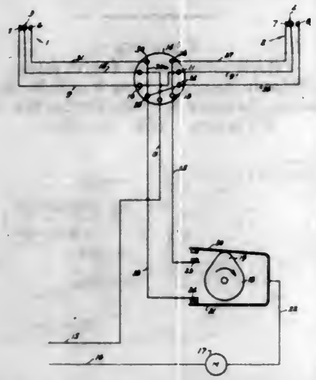


1. In a transmission including a box and gearing in the box including a main shaft and a gear shiftable along the said shaft to adjusted positions; a lever for moving the gear along the shaft to adjusted positions extending into the box through an opening in a side wall thereof and having its inner end in operative relation to the shiftable gear, plates carried by and extending laterally from said box and between which plates the lever passes, a rocker shaft rotatably mounted through said plates and passing through a slot formed in the lever longitudinally thereof and pivotally and slidably mounting the lever, one of said plates being formed above the lever with a transversely extending slot substantially arcuate longitudinally and having its end portion disposed at an incline towards opposite side edges of the said plate, a rod extending upwardly from said lever and passing through said arcuate slot and carrying a roller disposed in the said arcuate slot, a link having a section firmly mounted upon said rod and formed with a longitudinally extending socket and a second section rigidly carried by said rocker shaft and slidable longitudinally in the socket of the first section, a handle extending laterally from said rocker shaft and means connected with said handle for actuating the same and turning the shaft for moving said link transversely to impart movement to said lever and slide the gear to an adjusted position upon the main shaft.

2,560,322
MEANS FOR CONTROLLING TEMPERATURE FROM A PLURALITY OF REMOTE POINTS OR ZONES
Charles Eric Armstrong, Portland, Oreg., assignor to Electric Controls Inc., Portland, Oreg.
Application October 21, 1948, Serial No. 55,688
1 Claim. (Cl. 236—74)

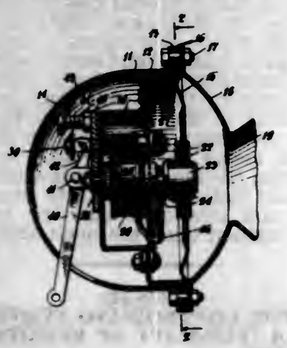
A heat regulating system comprising in combination a pair of thermostats disposed in locations remote from each other in a space to be heated, each of said thermostats having fixed contacts and one movable contact, the movable contact of one of said thermostats being directly connected with one side of a source of electrical energy, the movable contact of the other of said thermostats being directly connected with one of

the fixed contacts of the first mentioned thermostat, the other fixed contact of said first mentioned thermostat being electrically connected with a fixed contact of a switching mechanism for actuating heat releasing means, one of the fixed contacts of the other of said thermostats being connected with another fixed contact of said heat releasing means and the other fixed



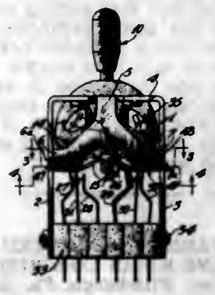
contact of said last mentioned thermostat being connected with said first mentioned fixed contact of said heat releasing means, whereby, upon actuation of the movable contact in the first mentioned thermostat into contact with either one of its said fixed contacts will direct current either directly to said switching mechanism or through said second thermostat to the switching mechanism.

2,560,323
ELECTRIC SOUND HORN
John M. Auñero, Plandome, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application July 9, 1949, Serial No. 103,930
5 Claims. (Cl. 177—7)



2. In a horn having an intermittently energizable solenoid attracting a diaphragm carrying armature and a spring flexed by said armature upon attraction by said solenoid, the combination of a first contact on said spring, a movable arm disposed adjacent and transverse to said spring and electrically connected to one terminal of said solenoid, one end of said arm immovable, one end of said arm movable in a direction toward and away from said spring, a reciprocable member cooperable and movable with the movable end of said movable arm, mechanical means cooperable with said reciprocable member to variably operate said member in the direction of the movement of said arm, a second contact on said arm out of contact with said first contact in the de-energized state of said solenoid and engageable with said first contact to energize said solenoid, said reciprocation of said movable arm being variable to vary the position of engagement between said first and second contacts along the direction of the movement of said movable arm whereby actuation of said mechanical means causes reciprocation of said reciprocable member and said movable arm to bring about a variation in the engagement between said first and second contacts and the flexure of said spring by said armature with a consequent variation in the sound produced by said diaphragm.

2,560,324
SWITCHING KEY WITH ROLLER ACTUATING MEANS
William S. Babcock, Jr., Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 9, 1948, Serial No. 53,670
12 Claims. (Cl. 179—176)

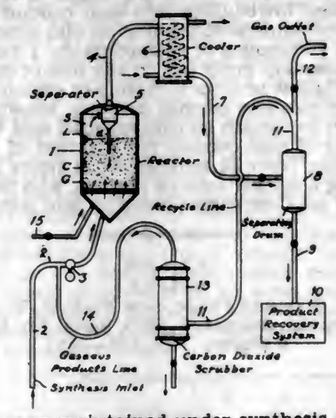


1. A switching key comprising a frame of substantially U-shape having a bight portion and two leg members projecting therefrom, said frame including two side parts formed integral with the sides of the bight portion of said frame, said parts being disposed at right angles to said bight portion and having aligned openings therein, a lever pivotally mounted on said frame, said lever having a cammed surface thereon, a roller, and means attached to said frame for supporting said roller independently of said lever and for resilient engagement with respect to said cammed surface to control the pivotal position of said lever.

2,560,325
HYDROCARBON SYNTHESIS
Harold T. Baker, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 16, 1948, Serial No. 60,303
2 Claims. (Cl. 260—449.6)

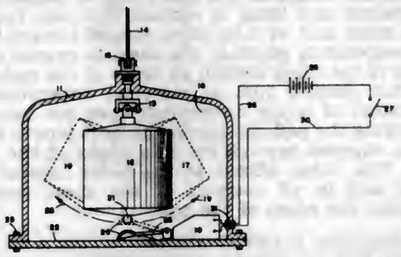
1. In the process of forming hydrocarbons and oxygenated hydrocarbons including normally liquid products in which a synthesis gas containing hydrogen and carbon monoxide in the ratio of about 1 to 2 mols hydrogen per mol of carbon monoxide is contacted with a fluidized bed of powdered alkali metal salt promoted iron catalyst in a reaction zone under synthesis conditions of temperature and pressure, the improvement which consists essentially in interrupting the flow of synthesis gas to the reaction zone about every 24 hours, treating the fluidized bed

of catalyst with a gas predominantly hydrogen under substantially the same conditions of temperature and pressure prevailing during the synthesis reaction, for a period of from about 15 minutes to about 2 hours and until the effluent gas from the reaction zone is at least 90% hydrogen, thereafter passing synthesis gas into said



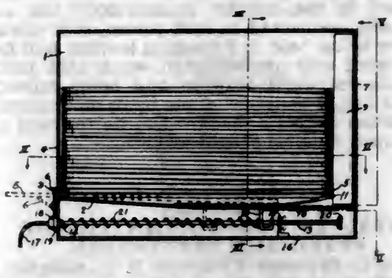
reaction zone maintained under synthesis conditions of temperature and pressure whereby during the transition from a state wherein the effluent gas is at least 90% hydrogen to where undiluted synthesis gas is passed to said reaction zone, over 20% of the catalyst is converted into the form of Fe_2C and the oxygen content thereof is below 15% by weight.

2,560,326
CLAMPING DEVICE FOR GRAVITY METERS
Adelbert Barry, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application March 7, 1947, Serial No. 733,257
6 Claims. (Cl. 73—382)



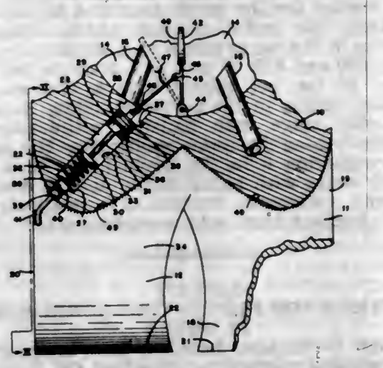
1. In a device for prospecting subsurface formations including a diving bell, a gimbal suspension, a meter suspended in the diving bell by the gimbal suspension, the lower portion of the meter defining a contact surface having its center on the same vertical line as the center point of the gimbal suspension when the diving bell is level, the combination with said diving bell of a clamping arm pivoted to the diving bell and defining a contact surface engaged with the contact surface of the meter when the vertical axes of the meter and the diving bell coincide and the arm is in a first position and wholly out of contact with the meter when the arm is in a second position, a spring means biasing the arm to its first position, a solenoid, releasable means actuated by the solenoid for retaining the arm in its second position and releasable to allow it to assume its first position and a switching means located remotely from and outside said diving bell for actuating said solenoid and connected electrically therewith.

2,560,327
DISPENSING MACHINE
Sam Bergman, New Orleans, La.
Application October 22, 1945, Serial No. 623,645
2 Claims. (Cl. 312—67)



1. A dispensing machine having a chamber to receive a stack of superposed elongated articles, said chamber being formed with a discharge opening in line with the front end of the lowermost of said articles, the chamber having an upwardly inclined bottom plate acting as a front support for engagement with the lower surface of said lowermost article at its front end only, a rear support for the lower surface of the rear end only of said article, the two supports acting to hold the central portion of the lower surface of the article free from contact with any other supporting member, and means including the rear support to cause forward movement of said article to project its front end outward at the discharge opening.

2,560,328
DULL BIT INDICATOR
Walter J. Bielstein, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application June 15, 1949, Serial No. 99,249
7 Claims. (Cl. 255—61)



1. A drill bit comprising, in combination, a hollow body releasably connectible with a drill stem to a source of drilling fluid under pressure and provided with cutter blades having a cutting face, the body having at least one first duct for each blade connecting the interior of said body with the exterior of said body above each cutter

blade and downwardly directed ahead of the cutting face of said blade, said body having at least one second duct fluidly connecting the interior of said body with the exterior of said body above a cutter blade and to the rear of said blade, a seal closing the outer terminus of said second duct adapted to be removed by cutter blade wear, a piston slidably mounted in said second duct for movement from a rearward position to a forward position, means normally maintaining said piston in its rearward position, and a closure member mounted in the interior of said body and mechanically connected to said piston, said closure member being held in a position leaving said first ducts open and unobstructed when said piston is in its rearward position and being movable to close one of said first ducts upon movement of said piston from its rearward to its forward position upon removal of said seal.

2,560,329
CATALYTIC DEHYDROGENATION OF PETROLEUM NAPHTHENES
Richard C. Brandon, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 15, 1946, Serial No. 677,091
9 Claims. (Cl. 260—668)

1. The method of dehydrogenating a petroleum mono-alkyl naphthene which comprises passing the naphthene in vaporized form over a catalytic material containing 0.1 to 10% by weight of a platinum group noble metal selected from the class consisting of platinum and palladium mixed with a hydrous oxide carrier having ultramicroscopic pores at an elevated temperature in the range 650° F. to 800° F., said catalytic material being resistant to poisoning by sulfur.

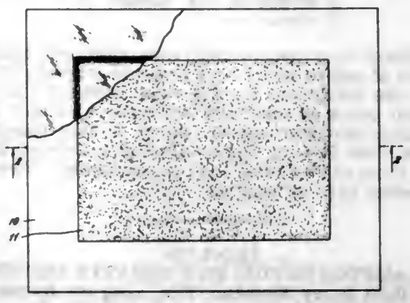
2,560,330
METHOD OF REFINING KEROSENE WITH BAUXITE AND SULFUR DIOXIDE
Richard C. Brandon, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 24, 1948, Serial No. 51,105
4 Claims. (Cl. 196—28)

1. Process for the production of a kerosene of relatively low sulfur content which comprises treating in the vapor phase at a temperature between 600 and 850° F. and at a pressure between 0 and 50 lbs. per square inch a hydrocarbon fraction boiling in the kerosene boiling range in an initial stage with bauxite, withdrawing a bauxite-treated fraction, condensing the same, and contacting it in the liquid phase in a secondary stage with liquid sulfur dioxide and recovering a kerosene fraction of a relatively low sulfur content from said secondary stage.

2,560,331
METHOD FOR PREVENTING CORROSION IN WELLS
Rudolph C. Buchan, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application July 30, 1948, Serial No. 41,705
5 Claims. (Cl. 166—21)

1. A method of preventing corrosion of exposed ferrous metallic surfaces in a well drilled in the earth in contact with corrosive liquids from subsurface formations pierced by said well, which comprises flowing a corrosive liquid in a ferrous metal conduit from a subsurface formation pierced by said well, shutting off the flow of said corrosive liquid in said ferrous metallic conduit to form a static head of said liquid in said conduit, then introducing into said conduit a concentrated aqueous solution of an alkali metal silicate in an amount of approximately 1 gallon for approximately every 167 to 500 feet of said well and sufficient to form a coating of silicate on the exposed surfaces of said conduit, allowing said solution to remain in contact with said exposed surfaces of said conduit for a period of time in the range from 30 minutes to 10 hours thereby forming a silicate coating thereon, and resuming flow of said corrosive liquids in said conduit.

2,560,332
DIAPER
Sigmund Crane, New York, N. Y.
Application August 17, 1950, Serial No. 179,938
6 Claims. (Cl. 128—287)

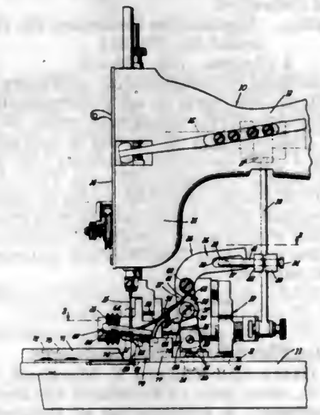


1. A disposable diaper, which comprises a sheet of thin, flexible, moisture-absorbent, abrasion-resistant fabric, a pad of moisture-absorbent fibrous material, the pad being of substantially the same shape as the sheet but of smaller dimensions and lying in contact with one face of the sheet and with its edges spaced inward from corresponding edges of the sheet to expose margins of the sheet beyond all edges of the pad, and a thin flexible film of material impervious to moisture of larger dimensions than the pad and covering the pad and having at least lateral margins exposed beyond the side edges of the pad, the film being affixed to the outer face of the pad and to all margins of the sheet exposed beyond the edges of the pad.

2,560,333
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application November 12, 1948, Serial No. 59,768
10 Claims. (Cl. 252—331)

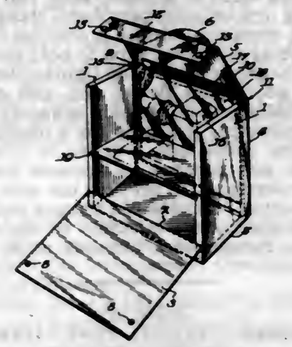
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, phenolic resin; said resin being derived at least in part by reaction with an acetylenic hydrocarbon so as to introduce an altered acetylenic radical as the linking structure between phenolic nuclei; the amount of acetylenic hydrocarbon reacted being at least sufficient to introduce one acetylenic hydrocarbon-derived bridge per resin molecule; said oxyalkylated resin being characterized by the introduction into the resin molecule of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus; and with the final proviso that the hydrophile properties of said oxyalkylated resin in an equal weight of xylene are sufficient to produce an emulsion when said xylene solution is shaken vigorously with one to three volumes of water.

2,560,334
PRESSER-FOOT MECHANISM FOR RUG SEWING
John P. Enos, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 26, 1949, Serial No. 89,737
14 Claims. (Cl. 112—239)



10. In a sewing machine having a bed-plate, a work support guide plate carried by said bed-plate, an overhanging bracket arm, a main shaft journaled in said bracket arm, a reciprocating needle supported from said bracket arm and actuated by said shaft, a roller feed wheel, and a reciprocating pitman for operating said feed wheel from said main shaft; a presser-foot mechanism, comprising, an L-shaped lever having a pair of arms, means for pivotally supporting a first of said arms from said bed-plate, the second of said arms being provided with an aperture, means carried by said reciprocating pitman and engaging said aperture and thereby rocking said lever, a presser-foot sole-plate, an arm secured to said sole-plate, means for pivotally mounting said presser-foot arm on said first arm, a pusher member depending below said sole-plate, and a spring supported from said L-shaped lever and arranged to bias said presser-foot and pusher arm toward said bed-plate, whereby when said pitman is reciprocated, said pusher member is caused to have a to-and-fro movement.

2,560,335
COMBINED CARRYING CASE AND SCREEN FOR PICTURE PROJECTORS
Elmer W. Ericson, Chicago, Ill.
Application October 4, 1949, Serial No. 119,474
3 Claims. (Cl. 88—24)



1. A carrying and exhibiting device for picture projectors, comprising a receptacle including end, front and rear side walls, a bottom and a top, one side wall being hingedly mounted in proximity to the lower portion thereof to adjacent portions of said end walls swingable outwardly and downwardly to expose the receptacle interior, the remaining side wall being of composite construction and opaque and consisting of a substantially rectangular frame and a false wall removably positioned adjacent and extending substantially entirely over the inner side of said frame, and a translucent sheet-like body vertically positioned in the receptacle in proximity to and disposed substantially over the inner side of said remaining composite side wall.

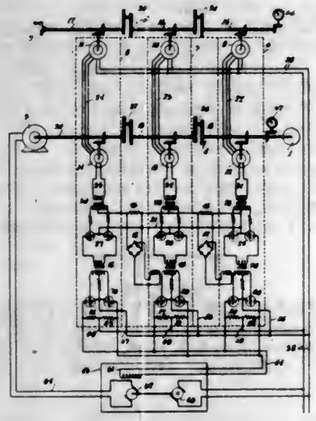
2,560,336
SHIELD FOR TELEVISION TUBES
Richard A. Fisch, Kew Gardens, N. Y.
Application March 9, 1950, Serial No. 148,635
3 Claims. (Cl. 177—318)



3. In an insulating device for insulating and mounting a cathode ray tube of the type having an electrode structure at one end, a lens at an opposite end, and an outer metal backing with dimensions which continuously increase from the part adjacent the electrode structure to the end containing the said lens which metal backing contains an outwardly extending peripheral flange adjacent the lens-containing end thereof, the improvement which comprises an insulating clamping member having the configuration of said peripheral flange but having a gap forming two abutting ends at one portion thereof, two inwardly-extending, continuous, peripheral flanges on said clamping member forming a channel adapted to straddle the flange of said tube, the

first of said inwardly-extending flanges diverging from the body of said clamping member toward the electrode end of the tube and the second of said inwardly extending flanges adapted to extend toward and overlap the outside edge of the said lens, said second flange diverging away from the body of the clamping member adjacent the said body but extending back towards the body at the innermost edge thereof so as to approach the surface of the lens and cut off any straight path between the metal backing of the said tube and the area in front of the said lens, two outwardly extending, continuous, peripheral flanges on said clamping member forming a channel adapted to hold a rubber retaining band to hold said abutting ends of the gap together and tighten the clamping member about said flange and also adapted to hold a retaining loop, the said inwardly extending flanges extending inwardly for a distance of ¼" to ¾" but containing a series of ribs of sufficient size and number to increase the shortest surface creepage path between the area where the metal backing contacts the flanges and the area adjacent the outside portions of the outwardly extending flanges to a distance of at least two inches.

2,560,337
THREE-CHANNEL FINE-COARSE CONTROL SYSTEM
Marcel Fouassin, Liege, Belgium
Application June 25, 1948, Serial No. 35,099
6 Claims. (Cl. 318—30)



1. A positional control system for controlling a driven mechanism by a presettable mechanism, comprising a plurality of electrical differential means, means for coupling said differential means to said presettable mechanism and said driven mechanism to provide in the output of each differential means an error signal having a rate of amplitude change different from the error signals in the other differential means, a plurality of amplifiers each coupled to a separate differential means to receive an error signal having a different rate of modulation, blocking means coupled to the input of the amplifiers passing higher rate of change signals, means for coupling the inputs of said amplifiers passing higher rate of change signals across smaller portions of the blocking means in inverse order of the rate of change ratio of the error signal in the higher rate amplifier, and separate means for coupling each of said portions of the blocking means to the output of a preceding lower rate amplifier to selectively block the higher rate of change amplifiers during the passage of an error signal through an amplifier having a lower rate of change ratio.

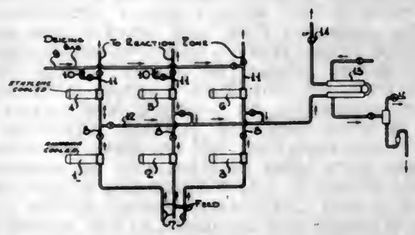
2,560,338
CHROMIC OXIDE PRODUCTION PARTICULARLY FOR PIGMENT PURPOSES
Clifford G. Frayne, Washington, N. J., assignor to C. K. Williams & Co., East St. Louis, Ill., a corporation of Delaware
No Drawing. Application May 16, 1950, Serial No. 162,399
6 Claims. (Cl. 23—145)

1. A process for producing chromic oxide for pigment purposes which comprises, reacting sodium chromate with sodium thiosulfate in aqueous solution in the presence of an amount of water which upon the completion of the exothermic reaction provides a solid, dry-to-moist reaction product, subjecting the reaction mass to agitation as the same thickens and solidifies, thereby producing the hydrated chromium oxide in the form of dry-to-moist particles instead of as a single solid mass, conveying said particles to a kiln and calcining the same, thereby producing the chromic oxide.

2,560,339
HYDROCARBON PLASTICIZERS FOR OIL-RESISTANT POLYMERS
Albert M. Gessler, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1947, Serial No. 794,811
8 Claims. (Cl. 260—5)

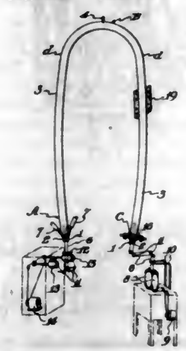
1. The method of plasticizing polymers comprising mixing 100 parts of an oil-resistant conjugated diolefin-nitrile copolymer with 15 to 30 parts of a hydrocarbon oil having a viscosity between 50 to 11,000 Saybolt seconds at 100° F. and an aniline point between 100 and 170° F. and with 40 to 100 parts (per 100 parts of said oil) of an oil-soluble solid hydrocarbon polymer, and mechanically working the resulting mixture until at least 5 parts of said hydrocarbon polymer are dissolved in said oil.

2,560,340
POLYMERIZATION PROCESS
Arthur D. Green and Edward T. Marshall, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 1, 1945, Serial No. 608,324
2 Claims. (Cl. 62—1)



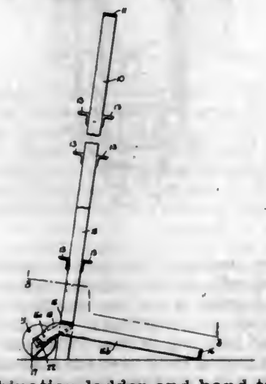
1. Process for melting ice from inside ethylene-refrigerated chillers used for refrigerating feed comprising isobutylene, isoprene and methyl chloride to a polymerization process for the manufacture of synthetic rubber comprising shutting off refrigeration, forcing out liquid from the chillers by means of a gas mixture of approximately 85% methyl chloride and 15% isobutene under a pressure such that the gas condenses above 0° C., continuously adding the gas to said chillers to force the liquid and melted water from the system into a heating zone until all the ice is melted and all the liquid and water is vaporized in said heating zone ,stopping the flow of gas and resuming refrigerat'on.

2,560,341
HOT TUBE DRYING
William Cogbill Ham, Chesterfield County Courthouse, and Otha Allen Hitt and Messoud Kiachif, Richmond, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 31, 1949, Serial No. 113,292
9 Claims. (Cl. 34—16)



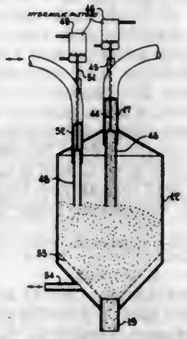
7. A process for drying filamentous material comprising passing said material through a curved tube having two tubular end sections curved on a long radius connected together by a tubular section curved on a short radius; inducing vapor to flow in a direction opposite the direction of travel of said material; heating said tube; and removing the vapor at a point near the entrance point of said material into said tube.

2,560,342
COMBINATION LADDER AND HAND TRUCK
Alfred H. Hanson, Garrison, N. Y.
Application August 4, 1948, Serial No. 42,401
12 Claims. (Cl. 228—16)



2. A combination ladder and hand truck comprising a pair of inclined side bars, a plurality of spaced horizontal rungs secured between said side bars, each of said side bars having a lateral horizontal extension at the bottom thereof, a lateral, rearwardly extending base support rigidly secured beneath each of said horizontal extensions, each of said base supports comprising a bifurcated member having a pair of rearwardly convergent branches, each of said branches having a free outer end which contacts the ground to support said ladder with its side bars in an upright position, one of said branches extending forwardly to define a downwardly turned projection and a pair of wheels mounted on said projections, said pair of wheels being disposed in inoperative position above ground level when the free outer ends of said base supports are in contact with the ground, said downwardly turned projection serving as a pivot point upon the ground about which said ladder may be pivoted to bring said wheels into contact with the ground and to enable said ladder to be used as a hand truck.

2,560,343
CATALYTIC CONVERSION PROCESS
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 8, 1944, Serial No. 539,306
4 Claims. (Cl. 196—52)

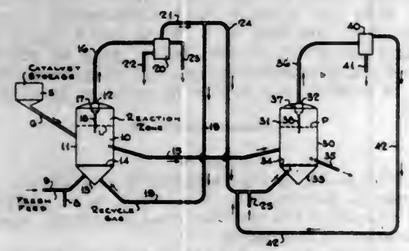


1. In a process of contacting hydrocarbons with solid catalytic material by continuously passing a stream of hydrocarbons through a moving bed of said catalyst, wherein active catalyst is continuously supplied to the top of said catalyst bed, spent catalyst is continuously withdrawn from the bottom of said catalyst bed, and the spent catalyst is regenerated and returned to the top of said catalyst bed, the improvements which comprise reducing the space velocity of the hydrocarbons through said catalyst bed by increasing the volume of the bed as the average activity of catalyst entering the catalyst bed diminishes, without interrupting the flow of hydrocarbons therethrough, while maintaining otherwise substantially uniform operation conditions throughout the process, thereby obtaining a substantially uniform rate of conversion and yield of products.

2,560,344
TWO STAGE HYDROCARBON SYNTHESIS OPERATION
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 29, 1947, Serial No. 776,752
3 Claims. (Cl. 260—449.6)

1. A process for preparing hydrocarbons and oxygenated hydrocarbons by the hydrogenation

of carbon monoxide which comprises contacting in an initial synthesis reaction zone a gaseous mixture containing hydrogen and carbon monoxide in molecular proportion from about 1 to 2:1 and extraneous water vapor in the amount of about 2 to 8% by volume of the combined volume of hydrogen and carbon monoxide with a fluidized iron-type catalyst promoted with about 1 to 8% by weight of an alkali metal compound promoter at a temperature of from about 350° to about 600° F., a pressure of from about 550 to 700 p. s. i., a space velocity from 2 to 30 cubic feet of gaseous mixture per hour per pound of catalyst, a ratio

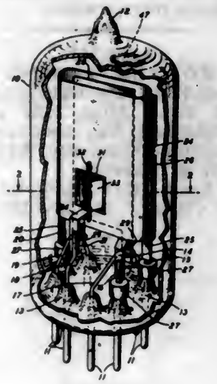


of recycle to fresh feed gas of 1 to 2 volumes recycle per volume of fresh feed, removing the reaction products, treating the vaporous reaction products to separate gaseous and liquid products including hydrocarbons and oxygenated hydrocarbons, contacting the unconverted gases in a second reaction zone with a portion of previously used catalyst, contacting said unconverted gases at a temperature of from 550° to 750° F., a pressure from 200 to 500 p. s. i. and a space velocity of 10 to 75 cubic feet of gas per hour per pound of catalyst, and recovering the hydrocarbons thus formed.

2,560,345
PRETREATMENT OF CATALYST FOR HYDROCARBON SYNTHESIS
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 23, 1947, Serial No. 793,368
4 Claims. (Cl. 260—449.6)

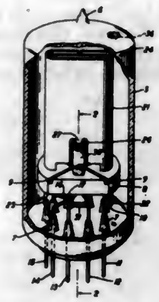
1. In the method of synthesizing hydrocarbons and oxygenated hydrocarbons by reacting together a carbon monoxide and hydrogen in contact with a fluidized mass of iron catalyst at a synthesis temperature in the range of from about 550°–750° F. and while under superatmospheric pressure, the improvement resulting in maintaining the catalyst at a high activity level and at the same time repressing the tendency of the catalyst to undergo fragmentation which comprises first reducing an oxygen-containing iron catalyst with hydrogen to an oxygen content of about 0–10% by weight of the iron, then treating said reduced catalyst with fresh feed synthesis gas containing carbon monoxide and hydrogen in which there are from 1–2 mols of hydrogen per mol of carbon monoxide at a temperature of the same order as said synthesis temperature and at a pressure substantially lower than said synthesis pressure for a time sufficient to carbide said catalyst and to convert about 20–50% by weight of its iron content into a mixture of iron carbides, in which the carbide Fe_2C predominates and then contacting said carbided catalyst with said synthesis gas at said synthesis temperature and pressure.

2,560,346
GLOW DISCHARGE VOLTAGE CONTROL DEVICE
Vivian L. Holdaway, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 30, 1949, Serial No. 130,160
14 Claims. (Cl. 313—217)



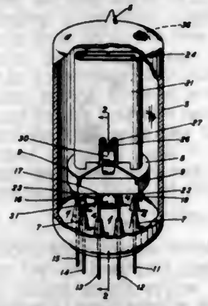
1. A gaseous discharge device comprising an anode, a cathode adjacent said anode and having a cut-out portion in one surface, an auxiliary cathode opposite said portion, and an auxiliary electrode partially encompassing said auxiliary cathode.

2,560,347
ELECTRODE STRUCTURE FOR GLOW DISCHARGE TUBES
Donald S. Peck, Allentown, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1950, Serial No. 137,940
7 Claims. (Cl. 313—198)



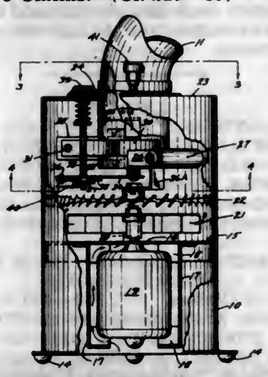
1. A glow discharge device comprising a main anode, a flat cylindrical cathode surrounding said anode and having a cut-out portion at one side thereof, and an auxiliary anode extending through said cut-out portion towards said main anode and turning back towards said cut-out portion, said auxiliary anode having one end adjacent the edge of said cathode in the cut-out portion.

2,560,348
GLOW DISCHARGE DEVICE
William G. Stieritz, Allentown, Pa., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1950, Serial No. 138,037
3 Claims. (Cl. 313—198)



1. A glow discharge device comprising a main anode, a hollow cathode surrounding said anode and having a cut-out portion at one side, an integral extension of said cathode depending into said cut-out portion, said extension having a substantially rounded end, and a substantially S-shaped auxiliary anode extending through said portion and having its upper end extending substantially perpendicular to the plane of said cathode and being curved adjacent said rounded end to follow the contour thereof.

2,560,349
AIR CONDITIONER
Norman R. Inglis, Youngstown, Ohio
Application April 23, 1949, Serial No. 89,250
5 Claims. (Cl. 219—39)

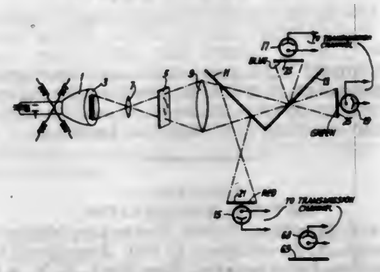


1. Air conditioning means comprising a housing having a partition midway between its upper and lower ends, brackets depending from said partition and a motor positioned on said brackets, a shaft on said motor extending upwardly through the said partition, a fan on the said shaft and radially positioned louvers located thereabove for converting spinning air currents to vertical air currents, a heating element above the said louvers and an outlet in the said casing, and a sleeve disposed in said outlet, thermostatic means located in said sleeve and controlling said heating element, and a secondary heating element located in said sleeve and above said thermostatic means and connected with said heating element and a flexible hose detachably positioned in said outlet for delivering air therefrom to a remote point of discharge.

2,560,350
2,2-BIS-(PARA-ALLYLOXYPHENYL) PROPANE MITICIDAL COMPOSITIONS
Arthur G. Jelinek, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 26, 1948, Serial No. 23,410
1 Claim. (Cl. 167—30)

A miticidal composition comprising 2,2-bis-(para-allyloxyphenyl) propane in amount sufficient to exert a miticidal action in admixture with an emulsifying agent.

2,560,351
SIMULTANEOUS COLOR TELEVISION
Ray D. Kell and George C. Sziklai, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 14, 1946, Serial No. 716,256
7 Claims. (Cl. 178—5.2)

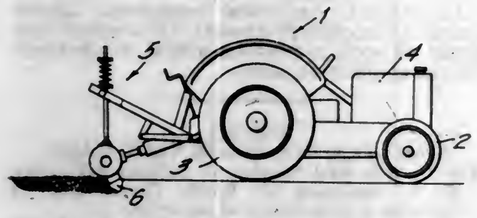


1. In a color television system, means for scanning a color transparency according to a selected scanning pattern with a uniform spot of light of elemental area size, means positioned on the side of said transparency opposite from said scanning means for deriving from said scanning operation rays of light whose instantaneous color is representative of the color of said predetermined elemental area being scanned, at least one dichroic reflector positioned in the path of said rays of light for breaking down said light rays into predetermined component colors, and means to receive said component color rays of light and for deriving from each electrical signal trains representative of the intensity of the several component colors.

2,560,352
SCARIFIER
Cadwallader W. Kelsey, Troy, N. Y.
Application January 4, 1946, Serial No. 638,963
3 Claims. (Cl. 262—19)

1. A scarifier adapted to break up the surface of a road and for attachment to a tractor having a power take-off at the rear thereof; said scarifier comprising a transversely-extending driven shaft; a driving shaft cooperating therewith and provided with means adapting it to be connected to said power take-off; a housing entirely enclosing said driven shaft comprising two, approximately semi-cylindrical sections extending lengthwise of said driven shaft and substantially from end-to-end thereof; means detachably securing said sections together; bearings for said driven shaft fixed in one of said sections; a plurality of scarifying elements; a plurality of bearings on said one section of said housing, positioned below said driven shaft bearings and having their axes disposed at right angles to the axes of said driven shaft bearings, in

which said scarifying elements are rotatably mounted; and gears in said housing drivingly connecting said scarifying elements with said



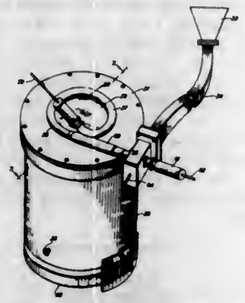
driven shaft; said gears and said bearings being accessible upon the separation of said housing sections by the removal of said means detachably securing said sections together.

2,560,353

CAVITY RESONATOR

Arthur E. Kerwien, Ocean Township, Monmouth County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 16, 1945, Serial No. 583,085
8 Claims. (Cl. 178—44)



1. An electrical resonator of high Q comprising a hollow cylindrical conductive-walled chamber dimensioned to support electromagnetic waves of predetermined frequency and TE_0 mode therein, said chamber having a circular end wall provided with slit-like, radially-directed apertures disposed symmetrically about the center of said end wall substantially in registry with a cylindrical zone of maximum field intensity of said TE_0 mode, and a coaxial conductor line extending across the exterior face of said end wall in lateral contact therewith and coupled to the electromagnetic field within said chamber at and through each of said apertures, the electrical length of said coaxial line between successive apertures being an integral multiple of a wavelength at said predetermined frequency, whereby said line is coupled in mode-selective energy transfer relation with the interior of said chamber.

2,560,354

CLOSE TALKING MICROPHONE

Alfred H. Kettler, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 27, 1948, Serial No. 11,511
6 Claims. (Cl. 179—105)



1. A microphone suitable for picking up sound from two closely disposed sound sources which project sound waves along paths transverse to each other, said microphone comprising an outer casing having openings for receiving and transmitting said sound waves from each of said sources, electro-acoustical transducer means carried by said casing for receiving and translating said sound waves into electrical energy, said transducer means comprising (1) an electromechanical converter, (2) an inner casing within said outer casing, (3) vibratile means mounted in said inner casing and dividing said inner casing into separate chambers, and (4) means operatively connecting said vibratile means to said converter, opposite sides of said inner casing having openings therein communicating with individual ones of said chambers, the openings communicating with one of said chambers being out of registry with the openings communicating with the other of said chambers so as to provide a difference in path distance for said sound waves from each of said sources to opposite sides of said vibratile means.

2,560,355

CONDENSATION PRODUCTS OF SILICON HALIDES WITH CHLORWAX-NAPHTHALENE AND CHLORWAX-PHENOL

Eugene Lieber, Chicago, Ill., and Edward P. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 8, 1946, Serial No. 653,179
15 Claims. (Cl. 260—448.2)

1. Process which comprises modifying a condensation product having a molecular weight in the range of 1000 to 5000 of a saturated long chain aliphatic halogenated hydrocarbon compound and an aromatic compound selected from the group consisting of aromatic hydrocarbons and mono hydroxy and mono amino derivatives thereof, by reacting said condensation product in the presence of a Friedel-Crafts catalyst with a silicon halogen compound selected from the class consisting of $SiCl_4$, Si_2Cl_6, $SiBr_4$ and Si_2BR_6.

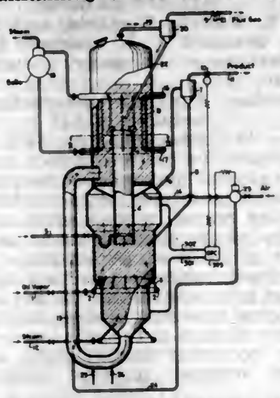
2,560,356

FLUIDIZED POWDER FLOW AND CONTROL

George E. Liedholm, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application July 1, 1947, Serial No. 758,446
9 Claims. (Cl. 23—1)

1. In a process for contacting two gaseous fluids A and B in separate contact zones 1 and 2 zone 1 being above zone 2 with a fluidized powder which is continuously recycled through said zones, the combination of steps comprising passing fluid B through lower zone 2 countercurrent to the flow of powder therethrough at a substantially constant rate sufficient to maintain the powder in said zone in a pseudo liquid state, maintaining a positive superatmospheric pressure of said fluid B above the pseudo liquid powder in said zone, allowing pseudo liquid powder from the lower zone 2 to pass unhindered and continuously by the force of gravity and said positive pressure into a transfer zone, said transfer zone communicating with the bottoms of the upper and lower zones 1 and 2 and being of restricted cross section compared to said lower zone 2, maintaining a bed of said powder in



pseudo liquid state in upper zone 1 above said lower zone 2, dividing the gaseous fluid A into two portions passing the first of said portions into the said powder in said transfer zone passing the second of said portions of gaseous fluid A directly into said bed of powder into upper zone 1 continuously, allowing powder in pseudo liquid state to pass unhindered and continuously by gravity from upper zone 1 to lower zone 2, and controlling the conditions and circulation rate of said powder by controlling the ratio of said two portions of said fluid A and the pressure differences between points above the pseudo-liquid powder in said two zones in response to variations in the differential pressure measured between a point in a fluidized bed in one of the zones and a point above a fluidized bed in one of the zones.

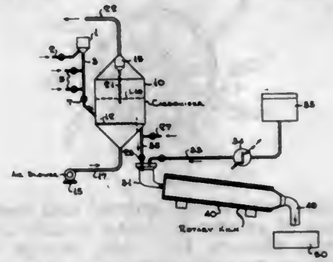
2,560,357

PRODUCTION OF SOLID FUEL AGGLOMERATES

Homer Z. Martin, Roselle, and Karl J. Nelson, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application August 15, 1946, Serial No. 690,817
3 Claims. (Cl. 202—6)

1. The process of producing a smokeless highly reactive solid fuel which comprises heating bituminous coal of fluidizable size in a vertical heating zone in the form of a dense turbulent bed of finely divided solids fluidized by an upwardly flowing gas containing free oxygen to resemble a boiling liquid having a defined upper interface within said zone, to a temperature of about 850° F., withdrawing finely divided highly heated carbonaceous solids from said bed, supplying said heated solids substantially at said temperature to a second heat-treating zone, supplying a minor proportion of liquid agglutinating carbonaceous substances selected from the group consisting of petroleum and coal pitch and heavy ends of coal tar to said second zone, subjecting the total charge of said second zone to a tumbling motion on a rotary supporting surface within said second zone at a temperature substantially lower than said first-named temperature, at conditions adapted and for a time sufficient to effect the



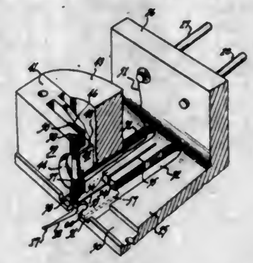
formation of spheroidal coke aggregates and substantial carbonization of said agglutinating substances, controlling the supply of said heated solids to said second zone in such a manner that at least a major portion of the heat required to maintain said second-named temperature is sensible heat of said supplied heated solids, and withdrawing carbonized carbonaceous solids from said second zone.

2,560,358

MAGNETIC PHONOGRAPH PICKUP

Earl E. Masterson, Palmyra, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 31, 1948, Serial No. 41,745
11 Claims. (Cl. 179—100.41)



1. In a phonograph pickup device, the combination of a casing base, a horizontal magnet structure extending rearwardly of and along the casing base, a vertically compliant stylus arm extending forwardly from and below said base and forwardly of said magnet structure, means providing a vertical pivot axis for said stylus arm in a forward central position with respect to said magnet structure and base, and flexible guy wire centering means connecting said stylus arm and said vertical pivot axis means to said casing base, the center of mass of said pickup being relatively low with respect to said stylus arm and rearwardly of said pivot axis.

2,560,359

ROTARY HOE WHEEL

Edmund A. McCardell, Newton, Iowa, assignor to Winpower Mfg. Company, Newton, Iowa, a corporation of Iowa

Application January 22, 1949, Serial No. 72,209
2 Claims. (Cl. 97—212)

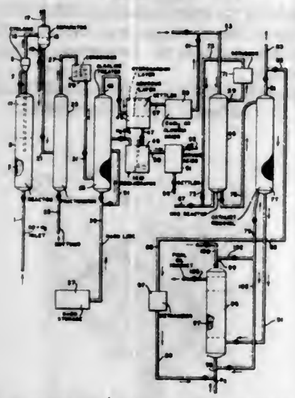
1. In a rotary hoe wheel of the character disclosed, a relatively small-diameter hub plate, a

plurality of radial teeth having their inner ends secured to said hub plate, and a ring-like spacer surrounding said hub plate, said teeth being disposed alternately on opposite sides of said spacer and secured to the spacer, said spacer being dis-



posed intermediate the ends of said teeth, said ring being of greater thickness axially than said hub plate, whereby the teeth diverge radially outwardly on opposite sides of a plane in which the secured inner ends of said radial teeth lie.

2,560,360
SYNTHESIS OF OXYGENATED ORGANIC COMPOUNDS
Joseph K. Mertzweiller and John J. Owen, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application June 11, 1947, Serial No. 753,978
15 Claims. (Cl. 260—632)



1. The process of producing oxygenated organic materials which comprises subjecting to a treatment with an alkaline treating agent olefins produced by the catalytic conversion of CO with H_2 in the presence of a hydrocarbon synthesis catalyst, said treatment being adapted to remove acidic materials from said olefins, and contacting said treated olefins with H_2 and CO in the presence of an oxygenation catalyst at oxygenation conditions to produce oxygenated organic materials.

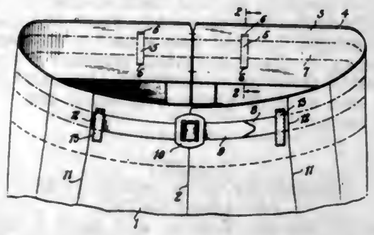
2,560,361
PRODUCTION OF 3,3,5-TRIMETHYL CYCLOHEXANONE
Charles E. Morrell, Westfield, Richard F. Robey, Cranford, and Lester M. Welch, Madison, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 1, 1946, Serial No. 673,898
1 Claim. (Cl. 260—586)

A process for hydrogenating isophorone to produce 3,3,5-trimethyl cyclohexanone therefrom, which comprises forming a mixture consisting essentially of isophorone and 3,3,5-trimethyl cyclohexanol in about equi-molar amounts, heating the resulting mixture substantially free of other reactive substances in the presence of a nickel contact hydrogenation catalyst at reaction temperatures of about 150° C. to 200° C., and recovering as a main resulting reaction product 3,3,5-trimethyl cyclohexanone formed by transfer of hydrogen to the isophorone and by the transfer of hydrogen from the 3,3,5-trimethyl cyclohexanol in said mixture.

2,560,362
ACID EXTRACTION OF MIXED OLEFIN HYDROCARBONS
Charles E. Morrell, Westfield, and Richard F. Robey, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 2, 1948, Serial No. 47,542
10 Claims. (Cl. 260—639)

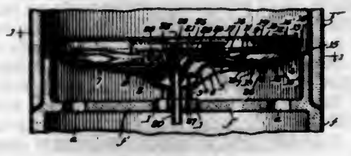
1. A process for the recovery of isomeric tertiary and normal mono-olefin components from acid extracts containing both dissolved isomeric tertiary and normal mono-olefins, which comprises diluting the acid extract to an acid concentration of 50–70 wt. per cent on a hydrocarbon free basis, recovering tertiary olefins from the extract by contacting the diluted acid extract in a stripping zone with a stripping agent without further dilution of the acid extract, and subsequently recovering normal olefin components from the stripped tertiary olefin-free acid extract.

2,560,363
WAISTBAND CONSTRUCTION
Bernard Navasky, Philipsburg, Pa., assignor to Charles Navasky & Co., Inc., Philipsburg, Pa., a corporation of Pennsylvania
Application December 7, 1948, Serial No. 63,970
3 Claims. (Cl. 2—236)



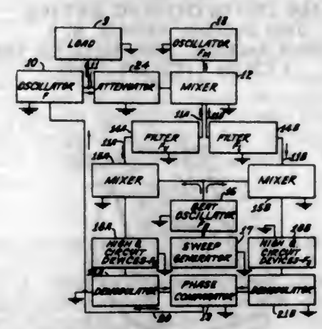
3. A garment comprising, a pair of trousers pleated at the front, an aperture located on the line of each pleat near the top edge of the garment, a belt located within the garment and having end portions passing through said apertures and disposed on the outside of the garment, said belt having its greater portion disposed within the garment, a curtain having its upper edge attached to the upper edge of the garment and having a free lower edge, said curtain depending within the garment around the waist-line thereof and extending in front of the portion of the belt that is located within the garment, and belt loops attached solely to said curtain on its outer face, the belt extending through said loops.

2,560,364
LIQUID FUEL BURNER
Steffen Paul Nemeth, Chicago, Ill.
Application February 11, 1949, Serial No. 75,820
9 Claims. (Cl. 158—4)



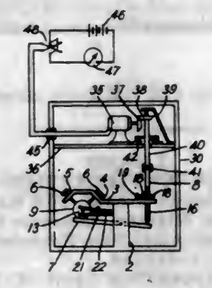
1. In a liquid fuel burner, a housing body having forced draft admitting means therein, a diffusing chamber supported by and communicating with said housing body, fuel atomizing means in the diffusing chamber, a combustion member supported by the body in said diffusing chamber, the inner end of the combustion member being closed and extending into the diffusing chamber, and the remaining and outer end thereof extended outwardly of and beyond the diffusing chamber, flame outletting and directing means on and communicating with said outer end of the combustion member, portions of the combustion member walls having ways therein, said portions of the combustion member having an area restricted compression chamber about and along the same communicating with the diffusing chamber, deflector means on the inner end of the combustion member and in the diffusing chamber, and ignition means in the combustion member.

2,560,365
FREQUENCY-STABILIZATION OF OSCILLATORS
Lowell E. Norton, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 22, 1949, Serial No. 122,988
21 Claims. (Cl. 250—36)



1. The method of stabilizing the operating frequency of an oscillator with respect to a standard frequency which comprises modulating oscillations generated by said oscillator to produce cyclically varying sidebands respectively having mean frequencies higher and lower than said standard frequency which in a sweep cycle of said sidebands pass through said standard frequency in opposite sense, producing control signals as said sweeping sidebands pass through said standard frequency, and controlling the frequency of said oscillator in response to said control signals to maintain a fixed time relation between successive control signals in predetermined sweep cycles of said varying beat frequency.

2,560,366
CLAMPING DEVICE FOR FORCE RESPONSIVE ELEMENTS
Herbert E. Owen, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1947, Serial No. 794,617
1 Claim. (Cl. 73—382)

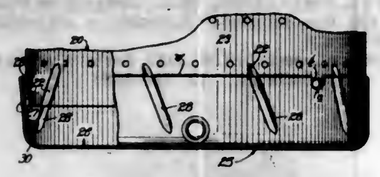


A remotely controlled clamping device for a force measuring instrument including a force-responsive element capable of suspension for response to said force, which comprises a first clamping member carrying a plurality of clamping points, and a second clamping member carrying at least one clamping point arranged symmetrically in respect to said plurality of clamping points, said plurality of clamping points and said single point being arranged on opposite sides of a portion of said force responsive element, at least one of said clamping members being movable with respect to the other clamping member so as to place said force-responsive element in a clamped position and in a non-clamped or normal operative position, a pin-like projection on said force-responsive element, a pair of resilient wires held by said instrument on either side of said projection, one of said resilient wires engaging said projection when said force-responsive element is in a clamped position, the other of said resilient wires engaging said projection when said force-responsive element travels beyond its normal operative position in a direction away from said first named resilient wire, both of said wires being free of said projection when said force-responsive element is in its normal operative position, rotatable means for adjusting the relative positions of said clamping members so as to place them in clamping and non-clamping positions as desired, an electric motor having a rotatable shaft, friction clutch means coupling said rotatable shaft to said rotatable adjusting means, and an electrical circuit feeding said motor and provided with an ammeter positioned in said circuit, whereby slippage of said clutch will be indicated by increased current readings of said ammeter.

2,560,367
VAPORIZING TYPE LIQUID FUEL BURNER
Gustave C. Peter, Wauwatosa, Wis.
Application March 22, 1949, Serial No. 82,885
7 Claims. (Cl. 158—91)

1. In a device of the class described, a pot-like container for the burning of liquid fuel, the container comprising a continuous side wall and a cup-shaped bottom having its upstanding wall lapping the side wall and joined thereto, and complementary pairs of opposed crimps in the two walls defining between each pair thereof an air

port leading downwardly and inwardly from an upper point exteriorly of the container to a lower



point therewithin and relatively close to the bottom thereof.

2,560,368

INHIBITION OF ICE FORMATION IN FUELS

Leonard J. Richards, Wirral, and Keith R. Williams, London, England, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 12, 1949, Serial No. 87,136. In Great Britain September 30, 1948

2 Claims. (Cl. 44—67)

1. A method of reducing the tendency of water present as a dissolved impurity in a liquid hydrocarbon internal combustion engine fuel to precipitate as ice crystals at reduced temperatures which comprises intimately contacting said fuel, prior to the introduction thereof into the combustion chamber of an internal combustion engine, with solid chromium trioxide by flowing said fuel in a liquid state through a confined mass of said solid chromium trioxide.

2,560,369

METHOD OF MAKING FLEXIBLE TUBES

Robert Eldon Roberts, Ridgefield, Conn.

Application March 18, 1946, Serial No. 655,268

3 Claims. (Cl. 154—8)



1. The method of making a reinforced flexible tube comprising partially stretching a helical spring in radial spaced relation on a mandrel, radially expanding an elastic rubber tube, inserting the mandrel and spring within the expanded rubber tube, allowing the expanded tube to contract and elastically embrace the spring, pressing the outer rubber tube inwardly against the mandrel between the coils of the spring, and thereafter providing a protective covering on the inner surface of the spring of a different character from the outer tube.

2,560,370

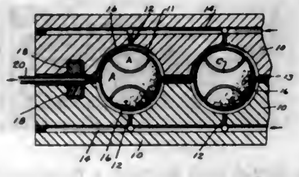
APPARATUS FOR APPLYING COVERS TO BALLS

Fred Thomas Roberts, Ridgefield, Conn.

Original application May 3, 1945, Serial No. 591,787. Divided and this application June 7, 1946, Serial No. 675,053

7 Claims. (Cl. 154—16)

1. An apparatus having a pair of cavitary mold members adapted when in conjunction to enclose a ball with an incompletely attached cover, means for exhausting air between the ball and cover, and means for conducting pressure fluid to the cavity outside of the cover to press the cover



against the exterior of the ball while such air is exhausted.

2,560,371

SULFUR-HALOGEN COMPOUND

Harry W. Rudel, Roselle Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Original application December 29, 1945, Serial No. 638,433. Divided and this application October 20, 1948, Serial No. 55,641

3 Claims. (Cl. 260—293.4)

2. As a composition of matter, a product having the general formula $XCSSR''Hal_x$, in which X is selected from the group consisting of piperidine and radicals RR'N, R being a hydrocarbon radical selected from the group consisting of alkyl, cycloalkyl, aryl, alkaryl, and aralkyl substituents and R' being selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl, alkaryl and aralkyl substituents; R'' is a hydrocarbon radical selected from the group consisting of kerosene and wax, x is a positive number of sufficient magnitude to make the halogen equal to from 5 to 40 weight per cent of the molecule.

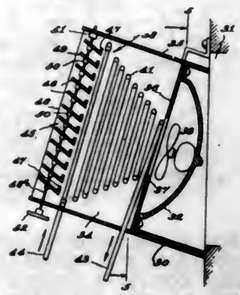
2,560,372

AIR CONDITIONING DEVICE

Jose Sanchis, Newark, N. J.

Application August 3, 1945, Serial No. 608,670

1 Claim. (Cl. 257—137)



An unrefrigerated air cooling device comprising in combination a box-like structure enclosing an air chamber and having an open side in communication with the outer atmosphere, a blind covering said open side and located in front of said air chamber, a radiator comprising a tubular frame substantially enclosing said open side and located adjacent to said blind, a series of parallel spaced apart tubes interconnected with said frame and extending across said open side, a

helical frusto conical coil connected at its greatest diameter to the radiator frame and terminating at its smallest diameter in an outlet pipe at an inner wall of said air chamber, said coil being located within said air chamber, a water inlet tube on the radiator adapted to be secured to a source of water supply to provide continuous water circulation through the radiator, a support enclosing a chamber communicating with said air chamber, and a fan carried by said support in the last mentioned chamber to drive air through said chambers and expel same through the spaces between the water tubes in the radiator.

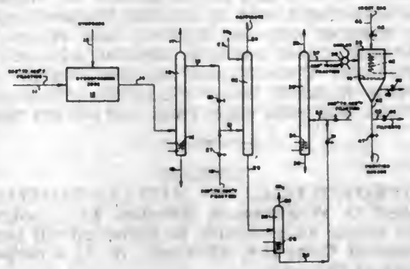
2,560,373

RECOVERY AND PURIFICATION OF DURENE

Albert J. Shmidl, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application March 29, 1948, Serial No. 17,727

2 Claims. (Cl. 260—674)



1. A method for recovering durene from a hydrocarbon fraction containing at least 18% durene and boiling in the range between 380° and 390° F. which comprises chilling the durene-containing fraction to a temperature in the range between 0 and 32° F. to form a crystalline mass containing durene, separating the durene containing crystals from said chilled fraction, warming said separated crystals to a temperature of the order of 85° F. to cause liquefaction of a portion of said crystals, drying said durene crystals by removing said liquefied portion, and recovering substantially pure durene from said crystals.

2,560,374

TREATMENT OF SOUR PETROLEUM DISTILLATES

Albert J. Shmidl, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Application February 19, 1949, Serial No. 77,443

9 Claims. (Cl. 196—29)

1. A method for sweetening a sour petroleum distillate containing mercaptans and having a final boiling point no greater than 750° F. which comprises adding to said distillate a small but effective catalytic amount no greater than 1% by volume of an alkanol amine and, then agitating the distillate containing the alkanol amine with a small amount no more than 5% by volume of a solution of an alkali metal hydroxide while adding a sufficient amount of a mild oxidizing agent to convert the mercaptans to disulfides and to obtain a sweetened distillate.

2,560,375

CORELESS MOVING COIL SYSTEM FOR MEASURING INSTRUMENTS

Arend Thomas van Urk, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application July 20, 1946, Serial No. 685,166

In the Netherlands December 1, 1943

Section 1, Public Law 690, August 8, 1946

Patent expires December 1, 1963

3 Claims. (Cl. 171—95)



1. A coreless moving coil system for non-linear measuring instruments comprising a pair of spaced apart opposed pole members of opposite polarity defining an air-gap therebetween having a given dimension in a given direction, said pole members having a thickness dimension which is less than one-eighth of said given dimension, a coil member pivoted to rotate within said air-gap, and a member of magnetic material having a relatively low retentivity magnetically separated from said pole members and positioned in close proximity to the path of rotation of said coil member for absorbing magnetic lines of force and to locally weaken the magnetic field in said air-gap.

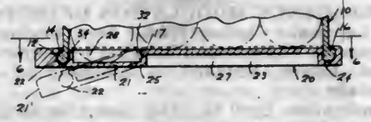
2,560,376

MOISTUREPROOF CONTAINER WITH FLEXIBLE SEAL COVER

Neil S. Waterman, Tarrytown, N. Y.

Application July 23, 1949, Serial No. 106,441

5 Claims. (Cl. 220—24)



1. In a moisture-proof container with a flexible seal cover, a rigid-type container having an open side provided with an outwardly projecting flange having a corner portion formed with rounded edges and the remaining portion of said flange having square edges, and a flexible seal cover for said container extending across said open side and having a fairly rigid section formed with a square edge groove engaging upon said square edges of said flange for tightly mounting said cover on said container, said cover also having a fairly rigid corner section formed with a rounded edge groove engaging upon said rounded edges of said flange for releasably connecting said corner section with said flange, the inner faces of said grooves of said cover extending slightly into said open side of said container in plug fit fashion for positive moisture sealing of said cover upon said container, and a thin flexible wall integral with said sections of said cover for flexibly connecting said sections of said cover together in order that said corner section of said cover may be bent and forced open.

2,560,377

LIQUID DISPENSER

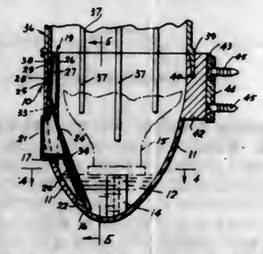
Neil S. Waterman, Tarrytown, N. Y.

Application September 29, 1949, Serial No. 118,486

6 Claims. (Cl. 222—517)

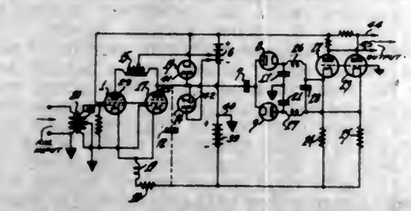
1. In a liquid dispenser, an open top container having downwardly and inwardly sloping sides

forming a small well portion for liquid at the bottom, means for supporting an inverted bottle of liquid in said container with the neck of said bottle positioned a short distance above said well portion, one of said sloping sides having a small aperture in said well portion for the discharge of said liquid and also having an opening above said well portion, tracks on said last mentioned sloping side positioned above said opening and extending upwards, an arm hanging a top trunnion pivotally mounted upon the bottom ends of



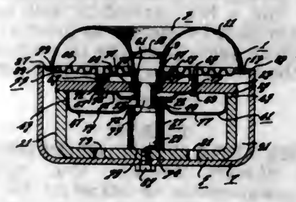
said tracks, said arm extending downwards and having a "press" projection engaging through said opening and also having a valve engaging into said aperture for closing said aperture to the passage of said liquid, and a leaf spring extending downwards against said arm for holding said valve closed, said leaf spring having an enlarged top portion firmly mounted in said tracks by which said leaf spring is supported and said enlarged top portion of the leaf spring engaging above said top trunnion for holding said arm from moving upwards.

2,560,378
FREQUENCY MODULATION DETECTOR
Eric Lawrence Casling White, Iver, England, assignor to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain
Application April 30, 1946, Serial No. 666,033
In Great Britain June 29, 1945
5 Claims. (Cl. 250—27)



4. The combination of a pair of electron discharge devices connected in push-pull and each having a cathode and an anode and a grid for controlling the current between said cathode and anode, means for applying a frequency modulated signal between the grids of said devices, a pair of diodes oppositely connected to the anode of one of said devices, means for applying a potential to the cathode of one of said diodes and to the anode of the other of said diodes which is respectively above and below the mean potential of the anode of the one of said devices to which said pair of diodes is connected, high impedance means common to the cathode leads of said devices, a filter network, a second pair of diodes oppositely connected to said filter network, and amplifying means coupled through said filter network and said second pair of diodes to the anode of said one device.

2,560,379
LOUD-SPEAKER WITH FLEXIBLE DIAPHRAGM MOUNTING
Albert L. Witchey, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 25, 1948, Serial No. 17,039
10 Claims. (Cl. 179—115.5)



1. In an acoustic device, a piston type diaphragm having a frustro-conical center portion and an outwardly flared portion extending from said center portion, driving means operatively associated with said center portion for vibrating said diaphragm, and an annular flexible supporting member disposed between said center and outwardly flared portions attached adjacent the peripheries thereof, said annular flexible supporting member being supported intermediate its inner and outer edges from said driving means.

2,560,380
IMPROVED DRILLING MUD COMPOSITION
Gilbert G. Wrightsman, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application August 25, 1948, Serial No. 46,171
4 Claims. (Cl. 252—8.5)

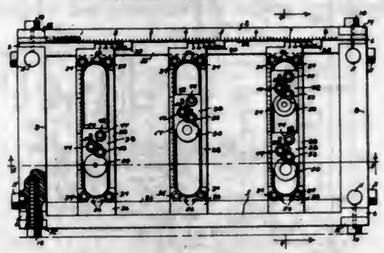
1. An aqueous drilling mud comprising clay and a viscosity reducing amount of an alkaline condensation product derived from substitution of an aldehyde on a non-esterified hydroxy benzene carboxylic acid having at least two substitutable hydrogen atoms in the aromatic nucleus thereof.

2,560,381
BAIT DISPENSER
Henry M. Babington, Lilliwaup, Wash.
Application April 5, 1949, Serial No. 85,587
4 Claims. (Cl. 224—5)



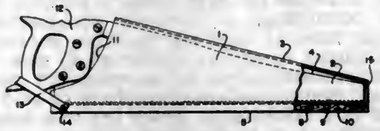
1. A bait dispenser comprising a base member, means for detachably securing the base member to a belt, a support carried by the base member, a container, a closure for the container having a dispensing opening, an elongated anchor member secured to said closure, and a sleeve rising from the anchor member and receiving said support.

2,560,382
DRILL JIG
Francis A. Barr, Laureiton, N. Y.
Application January 17, 1947, Serial No. 722,489
4 Claims. (Cl. 77—62)



1. In a drill jig, the combination which comprises a box-like frame having parallel longitudinally disposed upper and lower front and rear side bars connected at the ends with transversely disposed end bars, vertically disposed posts at the corners of the frame connecting the said side and end bars, a gate pivotally mounted in one end of the frame, means locking the gate in a closed position, drill guide mounting slides having elongated slotted openings therein slidably mounted in the side and end bars of the frame, drill guide scale plates slidably mounted in the elongated openings of the drill guide mounting slides whereby with the drill guide mounting slides horizontally movable and the scale plates movable vertically the guides are positioned to register with work pieces positioned in the frame so that a plurality of work pieces may be drilled with one setting of the parts, and means removably mounting drill guides in the said scale plates, said bars and drill guide slides having graduations and scales thereon.

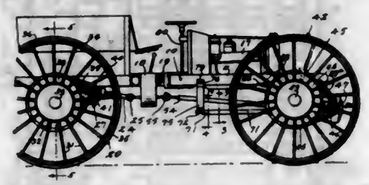
2,560,383
SAW PACKAGE
Thomas E. Carr, Garden City, Tex.
Application August 28, 1946, Serial No. 693,489
1 Claim. (Cl. 206—46)



A package comprising a saw case and a saw therein, said saw case comprising a body having flat, parallel slightly spaced, forwardly tapered side walls forming a flat saw-receiving slot, closed at both lateral edges and open at both ends, the closure of one of said lateral edges comprising a longitudinally disposed strip of a rigid, fibrous material engaging the teeth of the saw sheathed in said case, and an elastic loop secured by both ends to said case at its larger end, said loop being of such a length as to engage the handle of the saw under tension for constantly urging the teeth of said saw into fixed engagement with said fibrous strip.

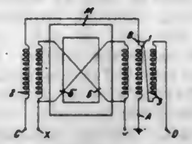
2,560,384
MARSH BUGGY
John P. Crain, Grand Chenier, La., assignor of one-half to Albert H. Crain, Grand Chenier, La.
Application June 11, 1947, Serial No. 753,920
1 Claim. (Cl. 180—49)

In a tractor as described for use on marshy ground comprising a chassis having a frame with power driving means, the combination of pairs of front and rear wheels rotatably mounted on transversely extended front and rear axles, each of said wheels including a centered hub, a drive sprocket fixed to said hub for rotation thereof, a barrel-like wheel structure attached to the hub outwardly of said sprocket, swivel means securing one of said axles to the chassis for rotation about a vertical and longitudinal axis including a pair of horizontally disposed plates, one of which is secured to the chassis with the other secured to the axle with means securing the plates for relative rotation to each other, a pair of longitudinally extending members carried by the



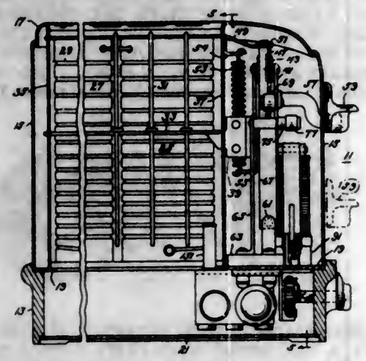
axle having spaced ends forwardly of said swivel means, a transverse drive shaft carried by said members having spaced ends drivingly connected to the hub sprockets, said transverse drive shaft being drivingly connected to the engine by a longitudinal drive shaft having a swivelled joint vertically aligned with said swivel means carried by the front axle, a brace means having a hanger dependently fixed to said front axle below said drive shaft swiveled joint and having a bearing block, a rearwardly extending bracing bar having one end fixedly secured to the chassis, and a ball joint carried by the opposite end of said bar connecting said bearing block to said bracing bar.

2,560,385
AUTOTRANSFORMER
Raymond Dessarzin, Le Havre, France, assignor to Compagnie Electro-Mecanique, Paris, France, a body corporate of France
Application February 25, 1948, Serial No. 10,741
In France March 14, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires March 14, 1960
10 Claims. (Cl. 323—45)



1. An autotransformer for coupling a source circuit to a load circuit, said autotransformer comprising a magnetic core, a pair of windings on said magnetic core conductively connected in series-additive relation and spaced apart to develop a reactance of a high order in the event of a short circuit, the outer terminals of said windings constituting terminals across which the source circuit may be connected, and a third winding on said core and having one end conductively connected to the junction of said serially connected windings, the outer terminal of said third winding and an outer terminal of one of said pair of windings constituting terminals across which the load circuit may be connected; said third winding being in series-additive relation as regards voltage to that winding of said pair which is in series with the third winding.

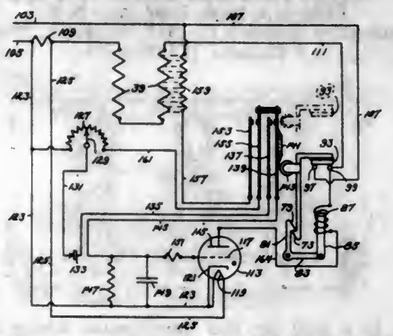
2,560,386
AUTOMATIC ELECTRIC TOASTER
John R. Gomersall, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application September 2, 1944, Serial No. 552,524
21 Claims. (Cl. 99—328)



1. In an automatic electric toaster, the combination with electric toast heating means, a control switch for said toast heating means normally yieldingly biased to open position and including a movable contact arm, a bread carrier movable into toasting and non-toasting positions relatively to said toast heating means and normally yieldingly biased into non-toasting position, means for moving said control switch into circuit-closing position and said carrier into toasting position to start a toasting operation and an electromagnetically releasable latch for holding said switch in closed position and said carrier in toasting position, of means for effecting release of said latch and termination of a toasting operation comprising a normally non-conducting non-light-sensitive electron tube, an electrostatic timing condenser connected in parallel circuit with said tube, a timing resistor connected in series circuit with said condenser, means for charging said condenser through said resistor until the potential is that at which the tube becomes conducting, electric connections between the tube and the coil of said electromagnetic latch release to cause the current traversing said tube to energize the coil of said latch release and cause release thereof and termination of a toasting operation, said contact arm being adapted to short-circuit said timing condenser when in heater deenergizing position.

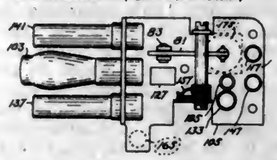
2,560,387
AUTOMATIC ELECTRIC TOASTER
Bror G. Olving, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application November 22, 1944, Serial No. 564,621
18 Claims. (Cl. 219—19)

3. In an automatic toaster the combination with electric toast heaters, a control switch for said heaters biased to open position and means movable from an upper to a lower position to cause closing of said switch to start a toasting operation, of means to terminate a toasting operation comprising an electron timing circuit, a source of direct current voltage and means actuable by said movable means for connecting said timing circuit to said voltage source and



then disconnecting it from said source during the downward movement of said movable means.

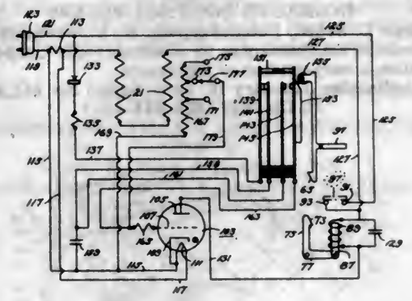
2,560,388
AUTOMATIC ELECTRIC TOASTER
Bror G. Olving, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application January 6, 1945, Serial No. 571,629
4 Claims. (Cl. 99—328)



3. In an automatic electric toaster the combination with a toasting chamber, electric toast heating means, a control switch for said heating means biased to open position and including a contact bridging member means to move said bridging member into circuit closing position to start a toasting operation and a latch for holding said bridging member in circuit closing position, of means for terminating a toasting operation comprising a normally non-conducting electron tube, at least one rectifier, an electrostatic timing condenser connected to said tube, a timing resistor connected between said rectifier and said timing condenser for charging said condenser to a potential at which the tube becomes conducting, said timing resistor having a negative temperature coefficient of resistance and being subject to toaster chamber temperature to vary the duration of a toasting operation in accordance with toaster temperature, and being manually adjustable to preset the degree of toasting of a slice of bread during a toasting operation, means energized by the current traversing said tube for causing release of said latch and termination of a toasting operation and means controlled by said contact bridging member, and including the toast heating means for discharging said condenser upon termination of a toasting operation.

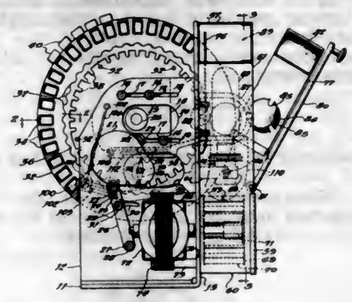
2,560,389
AUTOMATIC ELECTRIC TOASTER
Bror G. Olving, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application March 2, 1945, Serial No. 580,675
7 Claims. (Cl. 219—19)

1. In an automatic electric toaster the combination with electric toast heating elements, a connecting plug electrically connected to said heating elements and means for starting a toasting operation, of means for timing a toasting operation comprising a normally non-conducting electron tube which becomes conducting at a predetermined low potential, a timing condenser, a



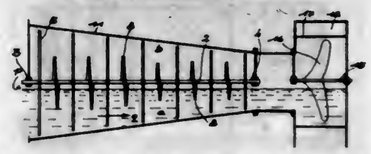
timing resistor connected in parallel electric circuit with said condenser and said tube and means comprising a normally closed switch for causing said condenser to be fully charged as soon as the connecting plug is connected to a supply circuit, and until said toast heating elements are energized by said starting means.

2,560,390
LIGHT PROJECTOR FOR DISPLAYING IMAGES CARRIED BY AN INTERMITTENTLY ROTATABLE WHEEL
Alfred Gruenhut, Chicago, Ill., assignor to Mills Industries, Incorporated, Chicago, Ill., a corporation of Illinois
Application April 4, 1947, Serial No. 739,435
8 Claims. (Cl. 88—27)



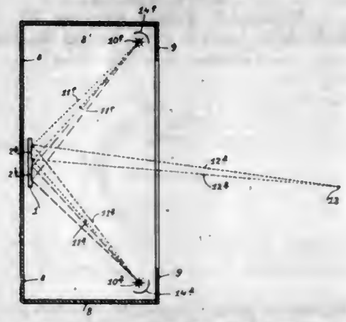
1. A light projector for displaying a plurality of images comprising: a supporting frame; an intermittently rotatable wheel having a plurality of peripheral apertures adapted to receive interchangeable images; a source of light; a lens providing an optical axis; a laterally adjustable hub plate adapted to support said wheel whereby said images may be caused to intersect said optical axis irrespective of the diameter of said wheel; securing means for attaching said plate in selected adjusted positions on said frame, the latter being formed to receive said securing means in different adjusted positions; a driving means; a member driven by said means and adapted to momentarily and repeatedly engage said wheel whereby the latter will be intermittently rotated through an angle to move said images into said optical axis; means including a pivoted arm for supporting said driving means and said member and for adjusting the same both laterally and vertically on said frame; and means for securing said driving means to the frame in different positions to accommodate the same to the size and position of the wheel to be rotated thereby.

2,560,391
PROCESS FOR TREATING OF CELLULOSE MATERIAL
Theodor Kleinert, Vienna, Austria, assignor to Lenzinger Zellwolle- und Papierfabrik Aktiengesellschaft, Lenzing-Agerzell, Upper-Austria
Application November 14, 1947, Serial No. 786,115
In Austria March 24, 1947
8 Claims. (Cl. 260—212)



1. A process for breaking down cellulose material comprising preparing a suspension of alkali cellulose in caustic soda solution of at least 8 percent by weight of sodium hydroxide and not more than 10 percent by weight of alkali cellulose fibers, continuously projecting particles of said suspension into a gaseous oxidizing medium and simultaneously therewith driving a portion of the said oxidizing medium into the said suspension.

2,560,392
VARIABLY ILLUMINED PLATE
Pierre Michel Louis Latrobe, Paris, France
Application June 5, 1945, Serial No. 597,652
In France June 5, 1944
2 Claims. (Cl. 40—137)

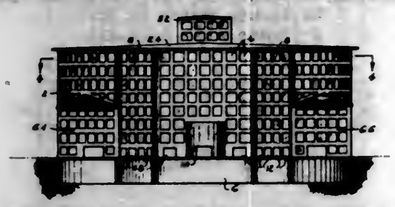


1. A device including a fixed reception stand, a plate thereon provided with various sets of relatively inclined systems of minute parallel alternate reliefs and depressions, each set of these relatively inclined systems of reliefs and depressions representing a preselected object, a series of fixed light sources arranged laterally in front of said plate and around it, and means for lighting and extinguishing successively each of the said light sources, with the object of showing successively to an observer all the objects represented on the plate.

2,560,393
AERAUTO PARKING SYSTEM
Ralph Mauriell, Sr., Little Silver, N. J.
Application July 28, 1947, Serial No. 764,189
1 Claim. (Cl. 20—1.13)

In a motor vehicle parking building, the combination which comprises a basement, a plural-

ity of superimposed floors, and a substantially circular building structure positioned over the basement, supporting and enclosing said floors and having a vertically disposed outer wall with an indented section having substantially radially disposed side walls at the ends thereof, said radially disposed side walls of the building structure having spaced juxta-positioned motor vehicle receiving openings in the lower ends thereof, an independent ramp extended from each of the openings in the radially disposed side wall at one end of the indented section of the building wall



with each of said ramps leading to a different floor of the building and with one of said ramps leading to the basement thereof, independent ramps leading from the floors and basement through corresponding openings in the lower part of the radially disposed wall at the other end of the said indented section of the building wall, ventilating means extended from each floor upwardly through the building structure, and an elevator positioned in the section of the building wall between the radially disposed side walls and extended to the different floors of the structure.

2,560,394

DISPENSING DEVICE FOR ADHESIVE TAPE ROLLS

Vincent F. Siezak, Berwyn, Ill.

Application April 3, 1950, Serial No. 153,548
1 Claim. (Cl. 164—84.5)



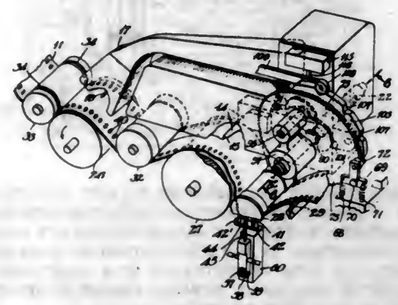
An adhesive tape dispensing device comprising a body plate having a width equal to at least the width of the tape roll and side members formed integral with the body plate and projecting inwardly toward the center of the tape roll, said side members being shaped so as to frictionally grip the sides of the tape roll for holding the device in engagement with the roll while permitting the same to be freely shifted peripherally of the tape roll, the central portion of said body plate being substantially flat and the forward end portion being bent downwardly toward the tape roll at an obtuse angle to said central portion and terminating in a serrated tearing edge across which the tape may be drawn for severing, the rear end portion of said body plate being curved upwardly substantially tangentially to said central portion to provide a shifting fulcrum for the plate, said device for tearing purposes being placed no the roll in advance of the folded back edge of the tape formed during stripping the tape from the roll and adapted to engage the adhesive face of the folded back portion at a point spaced from the fold so as to provide a released end portion adapted to be gripped for the next stripping operation.

2,560,395

INDEXING CONTROL MEANS

Edgar L. Steed, Poughkeepsie, N. Y., assignor, by mesne assignments, to Recordgraph Corporation, a corporation of Delaware

Application January 16, 1946, Serial No. 641,558
16 Claims. (Cl. 274—11)



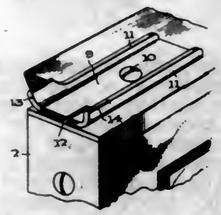
1. In sound recording and reproducing apparatus a longitudinally movable record strip having a series of uniformly spaced notches in an edge thereof, cooperative means pivoted about two axes adapted for oscillation about one of said axes and for sustained unidirectional displacement about the other of said axes responsive to passage of said notches thereby and sound head indexing means actuated by sustained displacement of said pivoted means about said other axis, said indexing means including slow acting means requiring an actuating displacement of said pivoted means persisting for a period appreciably greater than the transit time of one of said notches past said pivoted means to initiate an indexing operation.

2,560,396

ANCHOR FOR TAPES, BANDS, CABLES, AND THE LIKE

George Steingruber, Atlanta, Ga.

Application January 13, 1949, Serial No. 70,701
4 Claims. (Cl. 16—202)



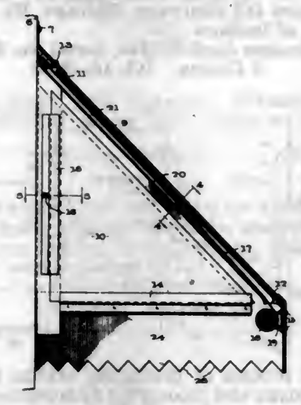
4. An anchor for flat members such as cables, tapes, bands and the like, comprising a laterally extended anchor plate member having a laterally extended slot in one end thereof, said slot being located between and disposed substantially parallel to the laterally extended marginal edges of the plate member, the flat member-engaging portion of one of said laterally extended marginal edges of the plate member being transversely offset beyond the remainder of said edge, the slotted end of said plate member being arranged to receive one end of the flat member beneath the same, with the flat member extended from one lateral marginal edge to the other and then reversely folded about the latter edge and across the upper face of said plate member to said slot, then downwardly through the slot and across the lower face of said plate member between the plate member and the first-mentioned underlying portion of said flat member, to the first-mentioned lateral marginal edge of the plate member.

2,560,397

COMBINATION TRANSPARENT AWNING AND SHADE

Tony C. Tims, Hyattsville, Md.

Application March 13, 1946, Serial No. 654,031
3 Claims. (Cl. 160—98)



1. A combination transparent awning and shade for use on a window frame having supporting screws attached thereto, comprising an awning frame with top and end openings, a glass panel mounted over each of said openings, a shade roller carried by the frame adjacent the lower end of the top opening, pulley and cord means for drawing the shade across the glass in the top opening, and an angle plate having a flange secured to the top of the awning frame, and a second flange having openings adapted for engagement over the screws on the window frame for detachably securing the awning frame to the window frame.

2,560,398

PAINTBRUSH WIPER

Tony C. Tims, Hyattsville, Md.

Application April 29, 1947, Serial No. 744,557
1 Claim. (Cl. 220—90)



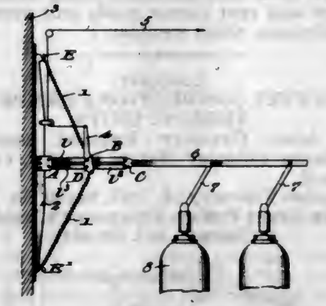
As a new article of manufacture, a brush wiper formed from a single blank of material cut, shaped and dimensioned to provide a blade having a straight working edge and a rear convex edge provided with a notch, and an attaching member struck up from the blade intermediate the opposite ends of the notch.

2,560,399

MECHANICAL DEVICE FOR PRODUCING A PROGRESSIVELY DECREASING FORCE THE INITIAL VALUE OF WHICH IS CONSIDERABLE

Gustaaf Albrecht Vanmalcot, Schaerbeek-Brussels, Belgium, assignor to Société Anonyme Minimax, Brussels, Belgium, a Belgian company

Application August 4, 1947, Serial No. 765,912
In Belgium December 10, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 10, 1963
3 Claims. (Cl. 74—2)



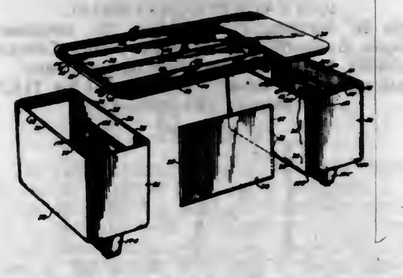
1. A mechanism for overcoming a progressively decreasing resistance the initial value of which is considerable comprising four levers pivoted together in the shape of a parallelogram by pivots, a fixed element upon which one of said pivots is mounted, the pivot situated opposite said first pivot having the resistance to be overcome applied thereto, springs each fixed to a fixed point applying forces of the same magnitude to each of the third and fourth pivots of said parallelogram, a latching lever mounted on one of said last named pivots having a notch to grip the other of said last named pivots, said latching lever maintaining said parallelogram normally closed, retaining means maintaining said lever in its latching position and controlling means to suspend this retaining action and to cause said parallelogram to open and to overcome said resistance.

2,560,400

DESK

Charles M. Abrahamson, Aurora, Ill., assignor to All-Steel Equipment Inc., a corporation of Illinois

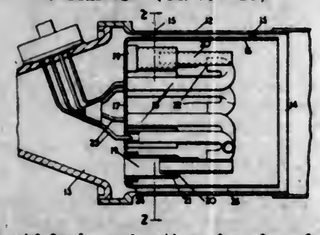
Application September 18, 1946, Serial No. 697,760
3 Claims. (Cl. 312—194)



1. In a desk, a pedestal construction comprising substantially vertical Z-bar front and rear corner posts, a first substantially horizontal Z-bar connected to the front corner posts adjacent the bottom ends thereof, said horizontal Z-

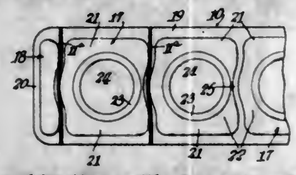
bar extending transversely between said front corner posts, a second horizontal Z-bar connected to the rear corner posts adjacent the bottom ends thereof, said second horizontal Z-bar extending transversely between said rear corner posts, a box channel connected to said front corner posts adjacent the top ends thereof, said box channel extending transversely between said front corner posts, a continuous sheet member overlying the first horizontal Z-bar to form the lower front surface of said pedestal, said continuous sheet member also forming the bottom and back surfaces of the pedestal, and side sheet members, said side members being attached to the front and rear corner posts and overlapping the continuous sheet member.

2,560,401
LIQUID FUEL COMBUSTION CHAMBER FOR TURBINE UNITS
Sidney Allen, Coventry, England, assignor to Armstrong Siddeley Motors Limited, Coventry, England
Application February 10, 1947, Serial No. 727,509
In Great Britain February 23, 1946
7 Claims. (Cl. 60—44)



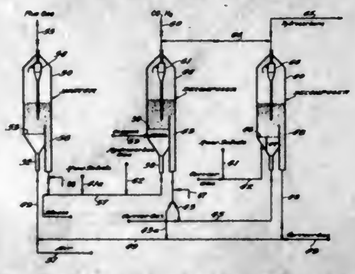
1. A liquid fuel combustion chamber, for an internal-combustion turbine unit having an air compressor, comprising an outer casing within and along which air is supplied, an inner casing spaced from the outer casing and within which combustion is substantially completed, said inner casing having a baffle at its inlet end for preventing free ingress of air at that end, a circle of J-shaped pipes in said inner casing with their main portions substantially parallel to one another and supported with their inlet ends in holes in said baffle so as to admit air from behind the baffle into the inner casing, and with their other ends forming outlets offset laterally and screened from the incoming air by said baffle, means for delivering liquid fuel to the inlet ends of said pipes, and other means for adding air to the interior of said inner casing as secondary air.

2,560,402
EGG PACKING MATERIAL
Torris H. Alfreds, Park Ridge, Ill., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind., a corporation of Delaware
Application December 7, 1946, Serial No. 714,717
5 Claims. (Cl. 217—34)



5. In combination with an egg case having pairs of opposite walls defining a compartment therein, a cellular filler in said compartment and composed of sets of right angularly extending interengaged strips, the ends of said strips forming tips, the extremities of which terminate adjacent said walls, a packing material disposed between the tips of the filler and the walls of an opposite pair of walls, each packing material including a body of a length and width approximating that of a filler strip and formed on one side for flat engagement with an associated wall of the case and formed at the other side with outwardly projecting parts substantially engaging the adjacent strip of the filler, the sides of adjacent parts coacting to define sinuous passages transversely of the body and terminating short of the longitudinal edges thereof and each passage receiving a filler strip tip therein.

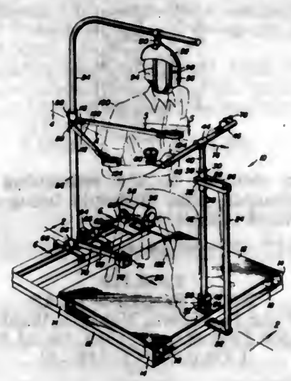
2,560,403
METHOD FOR PROCESSING CARBONACEOUS SOLIDS
Maurice H. Arveson, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application April 3, 1944, Serial No. 529,240
9 Claims. (Cl. 48—202)



1. The process of producing carbon monoxide and hydrogen and recovering hydrocarbons which comprises maintaining a body of finely divided carbonaceous solids within a first zone in a dense turbulent solids phase, maintaining said body at a high temperature by introducing hot solids into said first zone, reacting water vapor with the carbonaceous solids whereby carbon monoxide and hydrogen are produced, continuously separating gaseous products and solids, separately withdrawing incandescent solids from the dense turbulent solids phase, introducing the withdrawn incandescent solids into a second contacting zone in an amount sufficient to all heat required therein, introducing raw finely divided carbonaceous solids into said second contacting zone, maintaining the finely divided solids within said second zone in a dense turbulent solids phase continuously separating gases and solids within said contacting zone, separately withdrawing solids from said second zone, transferring the withdrawn solids to a third contacting zone, supplying an oxygen-containing gas to said third zone and passing it through the zone at a rate sufficient to maintain a dense turbulent solids phase therein, maintaining the temperature of the solids within said zone at a high level by burning a portion of the carbonaceous solids with said oxygen-containing gas, withdrawing a portion of the hot carbonaceous solids from the dense turbulent suspended phase, and supplying at least a part of said withdrawn solids to the first zone.

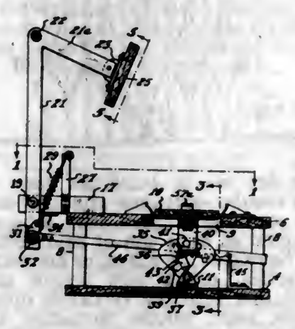
2,560,404
HICCUP TREATING APPARATUS
Thomas D. Assmar, Jewett City, Conn.
Application January 31, 1949, Serial No. 73,733
6 Claims. (128—33)

1. Hiccough treating apparatus comprising, in combination, a stationary base, a vibratile platform mounted on said base, a vibratile hand bar mounted on said base above said platform, means for reciprocatively vibrating said platform and



said hand bar, and vibration restraining arm straps provided above said platform adjacent said bar.

2,560,405
APPARATUS FOR SETTING UP CARTONS
Leonard Back, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio, a corporation of Ohio
Application March 30, 1949, Serial No. 84,445
18 Claims. (Cl. 93—51)



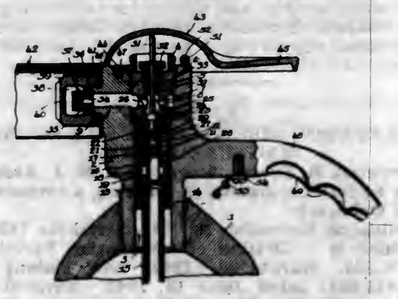
1. In a machine for setting up cartons of a type having a main panel, side and end walls articulated thereto, and diagonally scored corner connecting webs between the ends of the side and end walls respectively, a platform having an opening responding in size and shape to said main panel, whereby folding of the side and end walls with respect to said main panel will occur as said main panel is depressed into said opening, and means on said platform for engaging and locating a carton blank with its main panel above said opening, said means comprising elements having shoulders and downwardly extending edges and disposed on said platform so that the downwardly extending edges substantially coincide with the diagonal score lines in the corner connecting webs of said carton blank, said shoulders comprising horizontally extending portions for supporting the blank in a position above the upper surface of the platform and vertically extending portions for locating the main panel of the blank over the opening in said platform, said downwardly extending edges serving as score-breakers for the diagonal score lines in said corner connecting webs.

2,560,406
CARRYING FRAME FOR RUCKSACKS
Einar Bergsland, Oslo, Norway
Application August 7, 1947, Serial No. 767,212
In Norway January 15, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 15, 1965
3 Claims. (Cl. 224—25)



1. A rigid carrying frame for use with a rucksack and comprising symmetrical side members; a top member and a bottom member connecting the ends of the side members; a transverse member spaced below the top member and also connecting the side members; and carrying straps connected to the outlying ends of the bottom member and each comprising, a rear stand passing upwardly from the said outlying ends on the wearer's side of the frame, rearwardly below the transverse member and forwardly between the transverse member and the top member to pass over the wearer's shoulders, and a front strand passing downwardly from the shoulders to the sides and rearwardly back to the outlying ends; the extreme top portion of the frame above the transverse member being curved forwardly to a point closely adjacent the wearer's neck.

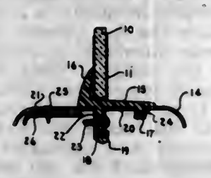
2,560,407
FIRE EXTINGUISHER
Stewart Boal, Winnetka, Ill., assignor to Randolph Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application May 14, 1949, Serial No. 93,325
4 Claims. (Cl. 169—31)



1. In a fire extinguisher of the type having a cylinder for holding fluid under pressure, a valve housing attached to said cylinder and provided with a vertical bore of uniform cross section through the greater portion of its length and enlarged at its upper end, and a valve assembly insertable in the bore as a completely assembled unit and having threaded engagement with said valve housing for ready attachment and removal as a unit without removal or disconnection of the valve housing, said assembly comprising a

threaded valve body having an enlarged threaded part, a depending tubular extension and a valve seat all integral, lateral openings in said body for the passage of fluid therethrough, a passageway in said assembly adjacent said openings, a second passageway above the valve seat, lateral ports connected to said last mentioned passageway and connected with a transverse bore in the housing, a discharge horn connected to said last mentioned bore, a spring-biased valve in the tubular extension of the valve body, a threaded plug in the lower end of the tubular extension, a siphon tube removably attached to and carried by said threaded plug, a plunger for actuating the valve, and a hood member pivotally attached to said housing and bearing on the top of said plunger and provided with a thumb-actuated trigger for actuating the valve.

2,560,408
WEATHERSTRIP
Stephen D. Bradley, Detroit, Mich., assignor to Detroit Macoid Corporation, Detroit, Mich., a corporation of Michigan
Application December 10, 1948, Serial No. 64,640
9 Claims. (Cl. 296—44)



1. A weatherstrip to seal the space provided between a fixed element and a pivotally movable element and comprising a body of resilient material formed to provide a base, a downwardly extending resilient flange member near one side of said base, a downwardly extending bead near the other side of said base, and a sealing lip extending upwardly from one side of said base for contacting the movable element in the closed position and for overlying the space between the movable element and the fixed element, a metal support having one end extended against said bead and the other end extended against said resilient flange member to support and reinforce said weatherstrip, and means for connecting said downwardly extending resilient flange member and metal support to a portion of the fixed element.

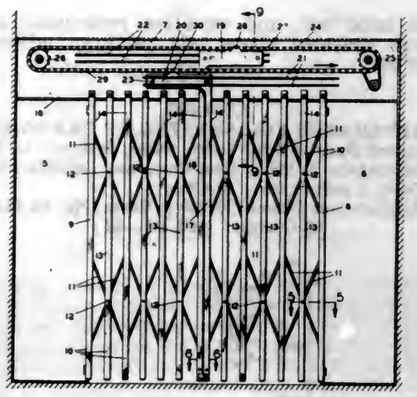
2,560,409
ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE
Barremore B. Brown, Morristown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 10, 1947, Serial No. 785,062, which is a division of application Serial No. 528,538, March 29, 1944, now Patent No. 2,443,445, dated June 15, 1948. Divided and this application May 16, 1951, Serial No. 226,670
3 Claims. (Cl. 315—40)

3. An electron discharge device including an anode block having a central space and a plurality of radially directed slots extending from said space and forming anode segments therebetween, said anode block having a recess adjacent one end of and surrounding said central space, and a pair of coaxial elements of conducting material mounted within said recess, at least one of said elements comprising a ring having radially directed legs extending therefrom and contacting alternate anode segments, and means connecting



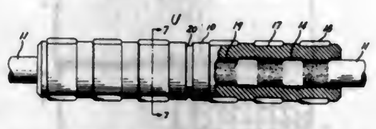
the other element to the remaining alternate anode segments, said elements being supported out of contact with each other.

2,560,410
BANK ROBBER TRAP
John H. Brown, Yakima, Wash.
Application February 17, 1949, Serial No. 76,980
1 Claim. (Cl. 109—6)



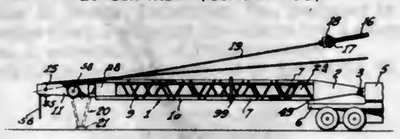
A trap for use in buildings such as banks having a regular entrance and exit door, comprising a vestibule for said door, a barrier movably mounted at each end of said vestibule, the vestibule having at the entrance and exit opposed hollow vertical panels and hollow top panels communicating with the vertically opposed hollow panels, each barrier including a pair of collapsible gates operating between and in the vertically opposed and top hollow panels across the vestibule, each gate having an extension at its inner end projecting into the top hollow panel, one of said extensions being longer than the companion extension and provided with a bent portion to bypass the companion extension, the terminals of the extensions having right angularly projecting portions, the projecting portion on each gate extending over the top of the adjacent gate, a pair of rails adjacent each projecting portion, spaced-apart rollers on the projecting portions to ride on the pairs of rails, sprockets mounted at opposite ends of the top hollow portion, an endless chain trained around the sprockets, means for connecting the right angle projecting portion of the extension of one of the gates to one stretch of the chain between the sprockets, means for connecting the right angle projecting portion of the extension of the companion gate with the companion stretch of the chain between the sprockets, and means for operating the chain to move the gates across the vestibule or into the vertical hollow panels.

2,560,411
METHOD FOR MAKING WIRE CONNECTING DEVICES
Leroy H. Burns, Cleveland, Ohio, assignor to The National Telephone Supply Company, a corporation of Ohio
Original application September 7, 1942, Serial No. 457,607, now Patent No. 2,347,540, April 25, 1944. Divided and this application November 22, 1943, Serial No. 511,254
5 Claims. (Cl. 29—148)



4. The method of making a wire union with the inner wall of a sleeve, said method comprising the steps of spraying said inner wall of the sleeve with metal and glass, the step of spraying the metal and glass including the melting of a wire having glass on the outside thereof and then blowing the melted wire and glass on the inner wall of the tubular body, inserting a wire into the sleeve, and compressing the sleeve upon the wire, whereby the said glass and metal coating is shattered with the shattered particles of the glass embedding into both the sleeve and the wire to form a gripping action therebetween, and whereby the metal particles form an electrical path between the sleeve and the wire.

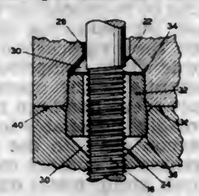
2,560,412
BOOM FOR EXCAVATORS OR THE LIKE
Bert S. Calvert, Los Angeles, Calif.
Application November 16, 1946, Serial No. 710,383
19 Claims. (Cl. 212—55)



1. In an extensible boom structure for excavator apparatus or the like, the combination of a main boom member with means for supporting the same to enable its outer end to be raised and lowered, an outer boom member with pendant-sheaves carried thereon at its outer end, and telescoping with the main boom member, said main boom member having a frame structure including longitudinally extending stringer bars, said outer boom member having a frame structure including longitudinally extending stringer bars juxtaposed to the first-named stringer bars, said first named stringer bars having projections thereon; and movable means having projections thereon carried on the second named stringer bars for effecting an interlocking engagement with the first named projections to lock the outer boom member in its extended position.

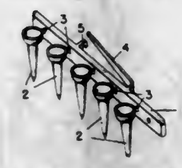
2,560,413
DOWEL
Gustav W. Carlson, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 26, 1949, Serial No. 78,571
8 Claims. (Cl. 308—74)

4. A bearing assembly comprising a base member having a semi-circular bearing opening and a pair of stepped bores, one on each side of the opening, the smaller diametered portion of each bore being threaded, a cap member having a semi-circular bearing opening and a pair of stepped bores, one on each side of the opening, assembled in abutting relation upon the base member with the openings of each in communication and the large diametered portions of each bore of the



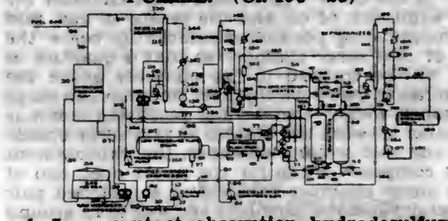
respective members in adjacent associated but imperfect alignment relation, a pair of ductile dowel bushings, one for each set of adjacent bores, press fitted and distorted from their normal shape therein, and a pair of screws, one for each set of bores extending with clearance through the bores in the cap member and bushing into threaded engagement with the threaded portion of the bore in the base member.

2,560,414
GOLF TEE CARRIER
Ralph G. Cheney, Seattle, Wash., assignor of one-half to John Marcy Detwyler, Seattle, Wash.
Application July 9, 1947, Serial No. 759,734
2 Claims. (Cl. 224—5)



1. A device of the class described formed in a single casting and including a bar, a plurality of golf tees each including a pointed shank and a terminal cup, and an integral frangible connection between each cup and one side of the bar.

2,560,415
HYDRODESULFURIZATION PROCESS
Paul W. Cornell, Mount Lebanon, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 14, 1948, Serial No. 65,153
4 Claims. (Cl. 196—28)



1. In a contact absorption hydrodesulfurization process in which a vaporous high boiling petroleum hydrocarbon containing sulfur, and hydrogen-containing gas under pressure are passed together through a chamber containing a contact agent comprising substantially an iron group metal oxide on a carrier, which contact agent absorbs the sulfur content of the petroleum hydrocarbon with a concomitant conversion of

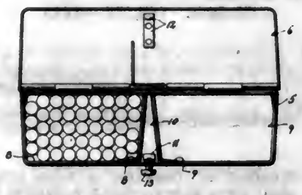
the iron group metal oxide into iron group metal sulfide, following which the contact agent is regenerated to substantially its original form and the contact absorption hydrodesulfurization process renewed, the improvement for avoiding pressure drops and surges when the contact absorption hydrodesulfurization process is renewed due to absorption of hydrogen by the iron group metal oxide and for obtaining more prolonged contact between the hydrocarbon and the iron group metal oxide which comprises bringing the system to substantially the operating pressure after the contact agent has been regenerated by introducing a readily liquefiable low boiling saturated hydrocarbon gas into the chamber containing the regenerated contact comprising substantially the iron group metal oxide, and when substantially the desired pressure has been attained, again contacting the petroleum hydrocarbon and hydrogen-containing gas with the iron group metal oxide in the pressured-up chamber.

2,560,416
GAS ANCHOR
John M. Courtney, Atlanta, Tex.
Application June 2, 1947, Serial No. 751,901
2 Claims. (Cl. 103—220)



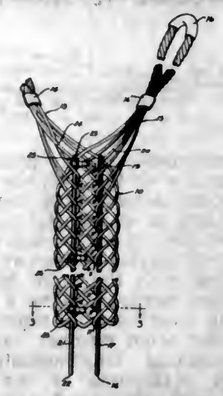
1. In a gas separator assembly, a pump tube, a reciprocating pump disposed substantially at the lower end thereof, a settling chamber disposed below said pump tube and in unrestricted communication therewith, a cylindrical surge chamber having a threaded upper end surrounding said pump tube, a series of vertically elongated openings in the outer wall of said surge chamber for the admission of oil and the escape of gas, said openings being positioned sufficiently below the top of said surge chamber so that a quantity of gas will be trapped in the chamber above the openings to make the chamber function as a surge chamber, means establishing restricted communication between the bottom of said surge chamber and said settling chamber, the improvement that comprises a cap for the upper open end of said surge chamber comprising a matched pair of hemicylindrical members adapted to fit around the pump tubing, each of said hemicyclindrical members being threaded at one end, matched openings in each of said hemicyclindrical members for the reception of pins to hold the threads of the hemicyclindrical members in alignment so that the cap may be fitted about the pump tubing and threaded to the threaded end of the surge chamber, whereby the upper end of the surge chamber is held in longitudinal alignment with the pump tubing, and at least one passageway through said cap for the escape of gas from the annular space between the tubing and the barrel.

2,560,417
CARTRIDGE HOLDING BOX
Wiley V. Davis, Azusa, Calif.
Application October 29, 1949, Serial No. 124,383
1 Claim. (Cl. 206—3)



A special box for holding two boxes of cartridges, including a box structure, a V-partition in said box having its open end at the front of said box and its closed end at the rear side thereof, said partition forming two compartments in said box to receive boxes of cartridges, two boxes of cartridges pressed into said compartments, said boxes of cartridges being canted as wedged into place, a cover for said special box, and a latch in the open end of said V-partition for holding said cover closed.

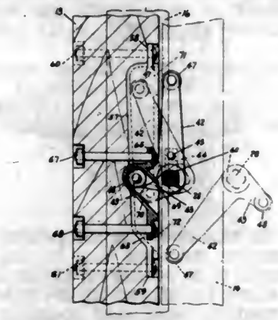
2,560,418
SPLIT CABLE GRIP
Joseph Di Palma, Westport, Fairfield County, Conn., assignor to Dominick Di Palma, Brooklyn, N. Y.
Application December 10, 1949, Serial No. 132,277
12 Claims. (Cl. 24—123)



1. In a split cable grip having a series of loops bordering one edge of the split and a second series of loops bordering the other edge of the split, elongated means traversing the loops in one series, a second elongated means traversing the loops in said second series, and securing means carried by one of said elongated means and adapted to engage the other.

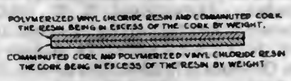
2,560,419
LATERALLY MOVABLE CAR DOOR
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application August 11, 1945, Serial No. 610,315
10 Claims. (Cl. 20—23)

1. In a railway house car having a wall provided with a door opening, a door mounted on said car for movement along a track and toward and away from said door opening, a horizontally extending rotatable shaft on said door, a vertically swingable handle operatively engaging said shaft to impart rotation thereto, angularly related arms of unequal length mounted on each end of said shaft for rotation therewith, and



means fastened to said wall, said arms having sequential engagement with said means to force said door into and away from said door opening upon rotation of said shaft, the shorter of said arms initially engaging said means to impart outward movement to said door and also finally engaging said means to impart inward movement to said door.

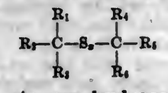
2,560,420
LAMINAR PRODUCT OF POLYMERIZED VINYL CHLORIDE RESIN AND COMMINUTED CORK AND PROCESS OF MANUFACTURING THE SAME
Arthur B. Dodge, Lancaster, Pa., assignor to The Dodge Cork Company, Incorporated, Lancaster, Pa., a corporation of Pennsylvania
Application September 20, 1948, Serial No. 50,196
7 Claims. (Cl. 154—102)



1. A new article of manufacture comprising a base sheet of cork particles adhered to a polymerized vinyl chloride resin, and a wear resistant surface sheet comprising a polymerized vinyl chloride resin the particles of which are insulated by comminuted cork and which surface sheet is adhered to said base sheet by the bonding of the polymerized vinyl chloride resins in the base and wear sheets under heat and pressure.

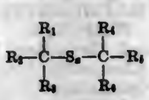
2,560,421
HALOGENATED TERTIARY ALKYL SULFIDES AND POLYSULFIDES
Lawrence T. Eby, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 28, 1947, Serial No. 757,921
16 Claims. (Cl. 260—608)

1. The process of preparing halogenated tertiary alkyl polysulfides of the general formula



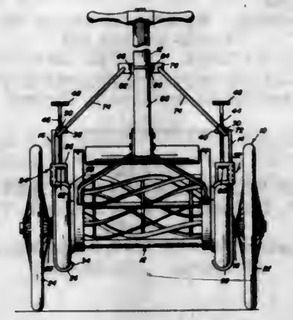
wherein R_1, R_2, etc. are hydrocarbon radicals at least one of which is halogenated, said formula comprising a total of about 8 to about 24 carbon atoms and x is an integer of at least 2, which comprises combining two tertiary mercaptans by oxidizing them to remove hydrogen, halogenating at least one of said tertiary groups, by attaching halogen to a carbon atom immediately adjacent a carbon atom which has no hydrogen attached and treating the product with a sweetening agent to reduce its corrosivity to metals.

11. A halogenated di-tertiary polysulfide composition of the general formula



wherein R_1, R_2, etc., are hydrocarbon radicals at least one of which is halogenated on a carbon atom adjacent a carbon atom which bears no hydrogen and x is an integer having a value of at least 2, said composition containing a total of about 8 to about 24 carbon atoms and having been treated with a sweetening agent to reduce its corrosivity toward metals.

2,560,422
TRANSPORT DEVICE FOR LAWN MOWERS
Joseph B. Elliott, Longview, Tex.
Application February 16, 1948, Serial No. 8,594
3 Claims. (Cl. 280—61)



1. A truck for transporting a lawn mower comprising a pair of wheels, an axle for each of said wheels, a bar vertically mounted on each of said axles, each of said bars having an upper and lower end, a cradle support formed on the lower end of each of said bars for supporting a wheel of the lawn mower, a lateral apertured ear on the upper end of each of said bars, a clamp slidably mounted on each of said bars for locking a wheel of said mower in each of the cradle supports, an actuating screw carried by each of the ears and connected to said clamp, a link carried by each of the ears and complementary clamping means on each of said links for attaching the links to the frame of the lawn mower.

2,560,423
PURIFICATION OF TITANIUM TETRACHLORIDE
Helmut Espenschied, Metuchen, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 12, 1949, Serial No. 87,112
7 Claims. (Cl. 202—57)

1. A method for the purification of titanium tetrachloride which comprises contacting, at a

temperature at least as high as the boiling point of titanium tetrachloride, crude titanium tetrachloride simultaneously with an alkaline earth hydroxide excluding magnesium and at least one compound selected from the group consisting of the hydroxides of the alkali metals and magnesium, and subsequently recovering the purified titanium tetrachloride as a condensate.

2,560,424

TITANIUM TETRACHLORIDE TREATMENT PROCESS

Helmut Espenschied, Metuchen, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application June 2, 1949, Serial No. 96,825
3 Claims. (Cl. 202—57)

1. Method for the purification of a vanadium-containing crude titanium tetrachloride which comprises contacting at elevated temperature said titanium tetrachloride simultaneously with aluminum metal and anhydrous aluminum chloride and separating by distillation the purified product.

2,560,425

BETA-TETRAHYDROFLUORANTHOYL PROPIONIC ACID AND SALTS THEREOF

Otis E. Fancher, Elkhart, Ind., assignor to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana

No Drawing. Application March 20, 1951, Serial No. 216,661
7 Claims. (Cl. 260—515)

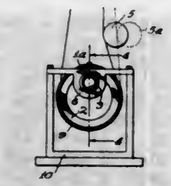
1. β-(1,2,3,10*b*-tetrahydrofluoranthoyl) propionic acid and alkali metal salts thereof.

2,560,426

MACHINE FOR FORMING CONCRETE PIPES

Frank L. Fitzpatrick, East Malvern, Victoria, Australia

Application July 20, 1948, Serial No. 39,605
14 Claims. (Cl. 25—30)



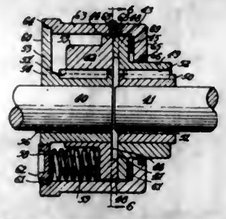
1. A mold for forming pipes of concrete or other moldable material consisting of solid particles and a cementing agent comprising in combination, a hollow rotary receptacle for the material, a roller support for supporting the receptacle, said support being eccentrically spaced from the hollow rotary receptacle to define a minimum space between the receptacle and the support through which space the material is carried and compressed between the receptacle and its support, the weight of the receptacle and concrete or other moldable material being carried solely by the roller support and the weight thereof in addition to centrifugal action tending to compress the other moldable material, and means engaging the receptacle for rotating the same.

2,560,427

SLIP CUSHION COUPLING

Ferdinand H. H. Foss, Chicago, Ill., assignor, by mesne assignments, to Kerns Industrial Corporation, Chicago, Ill., a corporation of Illinois

Application September 19, 1945, Serial No. 617,300
12 Claims. (Cl. 64—29)



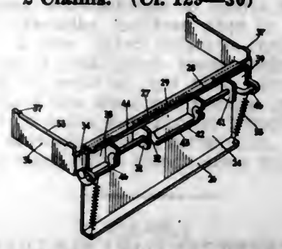
1. A slip cushion coupling comprising complementary coupling members each having a sleeve portion adapted to be connected to the end of one of a pair of aligned shafts which are to be coupled in driving relation, each said coupling member having a radially extending web portion and teeth thereon interengaging with each other to provide a driving connection between the same, a tubular housing member enclosing the coupling members, an inturned flange on one end of said housing member in relatively rotatable frictional engagement with one of said coupling members, an inwardly directed member on the other end of said housing member, spring means arranged between said inwardly directed member and the other one of said coupling members yieldingly holding said coupling members with their teeth in interengaged driving relation, and said inwardly directed member and said other one of said coupling members having interengaging slidably related portions permitting axial but non-rotatable movement therebetween.

2,560,428

FOLLOWER FOR FILING DRAWERS

Henry C. Fosberg, Jamestown, N. Y., assignor to The Watson Manufacturing Company, Inc., Jamestown, N. Y., a corporation of New York

Application October 17, 1946, Serial No. 703,741
2 Claims. (Cl. 129—30)



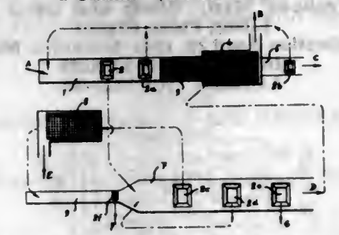
1. The combination with a drawer having side wall channels; of a follower, forwardly extending guide shoes on said follower projecting into said channels, cams mounted at the rear of said follower aligned with said shoes, said cams being rotatable in one direction to engage and have a wedging action with said channels, a rotatable shaft bracket mounted at the rear of said follower and including a central hand lever and end cranks, said cranks having operative engagement with said cams, and spring means normally urging said shaft to rotate in a direction to engage said cams with one wall of said channels and tilt said shoes into wedging engagement with both walls of said channels.

2,560,429

APPARATUS FOR THE WASHING IN BULK OF PARTICLES OF COAL AND ORES BY ALLUVIATION IN WASHING CHUTES

Antoine France, deceased, late of Liege, Belgium, by Adolphe Detienne, executor, Liege, Belgium, assignor to Rheo-France Compagnie Internationale des Rheolaveurs A. France, Societe Anonyme, Liege, Belgium, a company of Belgium

Application June 26, 1946, Serial No. 679,416
In Belgium August 18, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 18, 1964
1 Claim. (Cl. 209—44)



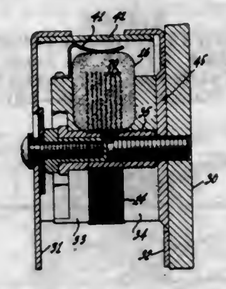
A launder washer for the washing in bulk of particles of coal and ores by alluviation in washing chutes equipped with evacuators for the discharge of dense particles which comprises, in combination: four chutes associated in two series of two successive chutes in horizontal arrangement, each chute having a width in accordance with the greatest size and with the horary tonnage of particles to be treated therein, the first chute of the first series being equipped with two evacuators while the second one of the same is equipped only with one evacuator, the first chute of the second series being equipped with one evacuator while the second one of the same is equipped with three evacuators, said second chute of the second series being adapted to receive ahead the material delivered at the lower end of the first chute of the same, means to supply with material to be treated and with washing liquid the first chute of the first series ahead thereof, a strainer arranged at the lower end of said first chute of the first series to receive the material delivered at said end and to separate the particles from the washing liquid, a sieve adapted to receive the particles retained by said strainer and to supply with the small graded particles the second chute of the first series ahead of the same, means to collect the washing liquid passing through said strainer, means to feed with said received liquid the second chute of the first series ahead of the same, means to regulate said feeding of liquid, means to convey the particles delivered at the lower end of the second chute of the second series to said sieve, in the first series means to convey particles from the second evacuator of the first chute and from the evacuator of the second chute to the head of the first chute, means to convey particles from the first evacuator of the first chute of the first series to the head of the second chute of the second series, means to convey particles from the second evacuator of the second chute of the second series to the head of the same chute, a screen adapted to receive the particles delivered by the first evacuator of the second chute of the second series and to supply with the fine graded particles the first chute of the second series ahead of the same and means to convey particles from the first evacuator of the second chute of the second series to said screen.

2,560,430

MAGNETO-OPTICAL TRANSDUCER SYSTEM

Albert W. Friend, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 27, 1949, Serial No. 112,785
9 Claims. (Cl. 179—100.2)



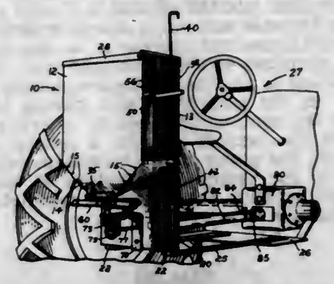
1. A translating system, comprising a light-to-current translator, a signal source, means for translating said signal source into electromagnetic variations, a source of light of constant intensity, means for varying said light of constant intensity in accordance with the variations in magnetism, said means including a unit having a plurality of thin laminations separated from one another in parallel planes, certain of said laminations being separated by air spaces to permit light from said source to pass between said certain laminations, and a magneto-optical element positioned between one end of each of said certain laminations between which said light is passed.

2,560,431

SEEDER ATTACHMENT FOR TRACTORS

Clark A. Garber, St. Paris, Ohio

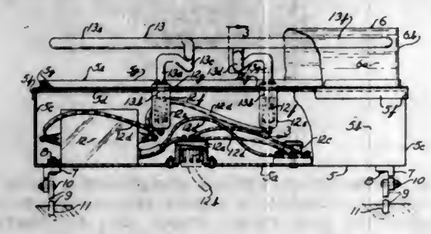
Application March 23, 1946, Serial No. 656,583
5 Claims. (Cl. 275—8)



1. A seeder of the character described comprising, in combination, a hopper for seed, a panel of sheet metal forming one side of said hopper and extending below the bottom thereof, means secured to said panel for mounting said hopper upon a tractor, the bottom of said hopper having therein a discharge outlet for seed, a valve controlling said discharge outlet, a handle pivotally mounted upon said hopper for manipulating said valve, a right angled bracket having one arm secured to said panel and the other arm extended below said discharge outlet, a seed-broadcasting disk mounted in said extending bracket arm for rotation about a substantially vertical axis below said outlet, an arm member extending downwardly from said extending bracket arm in substantially parallel spaced relation with the arm of said bracket secured to said panel, a shaft rotatably supported in said parallel arms and extending

through said panel, a geared connection between one end of said shaft and said disk, and a flexible driving connection between the other end of said shaft and the power take-off of said tractor to rotate said disk for broadcasting seed from said hopper.

2,560,432
RUNWAY MARKER LIGHT
Kenneth F. Gausch, St. Louis, Mo.
Application October 23, 1947, Serial No. 781,701
4 Claims. (Cl. 240—1.2)

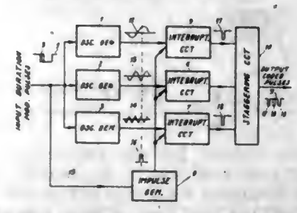


1. A lighting assembly unit for use in run-way lighting assemblies of airplane landing fields, such assembly unit comprising a casing of oblong contour in plan view, said casing containing a lighting element system of elongated type adapted to provide a lighting zone of approximately oblong contour form, said casing also containing a transformer for rendering the elements active, said casing including a cover overlying the lighting element system, said cover being arcuately curved in cross section and positioned to locate the element system below and extending within the concave face of the cover, said cover having its curved portion and a zone of at least one end thereof formed of material permitting light emission therethrough, said casing being mounted on feet to permit the unit to be positioned as materially spaced from the ground surface with the feet extending into the ground to fixedly position the unit, the said unit being characterized in that the lighting element system is in the form of tubular elements of the neon type with the elements shape to provide the approximately oblong contour in the plan view and having the end zones of the contour provided by whorls extending from the central zone in a general planar formation, the plane of the formation extending normal to the radius of curvature of the cover to thereby position the system as symmetrical to and within the cover.

2,560,433
DESULFURIZATION OF HYDROCARBON OILS
William I. Gilbert and William A. Horne, Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application July 16, 1948, Serial No. 39,175
7 Claims. (Cl. 196—28)

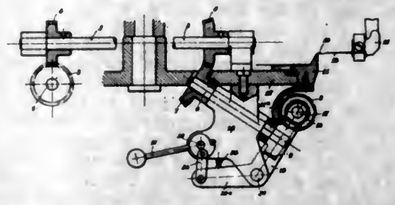
1. The process for desulfurizing a sulfur-containing hydrocarbon oil which comprises treating vapors of said oil with a contact agent comprising a member of the class consisting of metals of the iron group and their oxides composited with a silica-alumina refractory catalytic material capable of promoting, to a substantial extent, the conversion of higher boiling hydrocarbons into lower boiling hydrocarbons and having a conversion index of above about 15, in the presence of hydrogen, at a temperature between about 600° and 950° F., terminating this treatment when a substantial amount of hydrogen sulfide appears in the treated vapors, regenerating the contact agent at a temperature above about 1000° F. to remove substantially all of the sulfur therefrom and employing the regenerated contact agent to treat vapors of a sulfur-containing hydrocarbon oil in the presence of hydrogen under the conditions specified above.

2,560,434
DEVICE FOR TRANSLATING DURATION OR TIME MODULATED PULSES INTO CODED PULSES
Paul François Marie Gloess and Louis Joseph Libois, Paris, France
Application April 28, 1949, Serial No. 90,251
In France July 27, 1948
3 Claims. (Cl. 332—1)



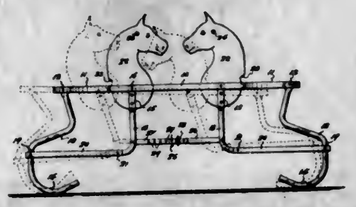
1. An electronic translating device for converting modulated recurrent electric impulse energy, the modulation of which is constituted by a continuous variation of their duration or of their position in time with respect to predetermined recurrent instants, the maximum extent of said variation being equal to a predetermined time interval T, into a multi-unit code, comprising means responsive to the arrival of a modulated impulse for producing a plurality of series of periodic pulsations, the series being equal in number to the number N of coded elements, the pulsation periods of the respective series being related to the maximum value T in proportion with consecutive integer powers of ½, means responsive to an impulse occurring at a predetermined instant in the recurrence period of the original impulses to analyze said pulsations, and means for producing a code impulse in response to each of said pulsations which present at the instant of analysis a predetermined polarity.

2,560,435
CIRCULAR LOOPING MACHINE
René Grandnom, Troyes, France, assignor to Mrs. Raymonde Lebocey, born Belleuvre, Bernard Jules Ernest Lebocey, Jacqueline Henriette Juliette Lebocey, and Annick Louise Suzanne Lebocey, all of Troyes, France
Application March 12, 1946, Serial No. 653,767
In France March 27, 1945
1 Claim. (Cl. 112—25)



In a circular looping machine adapted for stitching adjacent loops of a pair of knitted fabric pieces impaled on impaling pins, comprising a stationary plate, a rotary ring supported on said plate and carrying the impaling pins arranged radially thereof, a needle set in front of the edge of the rotary ring and arranged in a radial plane of this ring and means for reciprocating synchronously said needle in said radial plane so that impaling pins be engaged one after another by said needle and that a pair of loops be linked whenever an impaling pin is engaged by the needle, an improvement consisting in that the ring is moved in rotation by a wormgear driver including teeth rigid with said ring and a worm-spindle meshing directly with said teeth at a point situated in the radial plane of the ring passing through the needle, on the same side as the needle with respect to the axis of the ring.

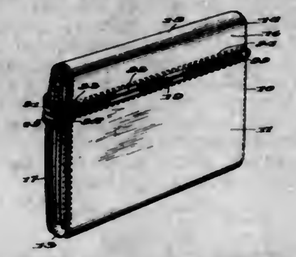
2,560,436
RIDABLE AMUSEMENT AND EXERCISING DEVICE
Martin Green, Mahwah, N. J.
Application March 25, 1950, Serial No. 151,853
11 Claims. (Cl. 155—56)



8. A ridable amusement and exercising device comprising an elongated seating member the free end portions of which provide seats for the riders, leg structures having rocker feet, means for pivotally connecting the upper ends of the leg structures to respective end portions of the seating member, a pair of substantially upright lever members medially pivoted to the mid-portion of the seating member in spaced apart tandem relation, said lever members having manipulatable upper arms provided with hand grip means and lower arms disposed in substantially parallel relation to the leg structures, foot boards laterally offset in substantially parallel plane relation to the opposite sides of the seating portions of the seating member, means for pivotally connecting outer ends of the foot boards to the adjacent leg structures, and means to pivotally connect inner ends of said foot boards to adjacent lower arms of said lever members, whereby oscillation of the lever members will be transmitted by the foot boards to the leg structures so as to produce rocking oscillation of the latter on their rocker feet with accompanying reciprocation of the seating member.

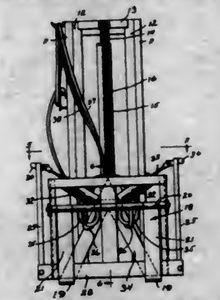
2,560,437
SLIDE FASTENER BRIEF CASE
Henry J. Guenther and George G. Guenther, New York, N. Y.
Application June 16, 1949, Serial No. 99,382
3 Claims. (Cl. 150—42)

1. A portable receptacle having opposite side members and end members and having a top opening defined by upper edges of one of the side members and the end members, a flexible closure flap secured to the second side member adjacent the top opening and adapted, when closed, to overlie the top opening and lie in overlapping relation with the upper portion of the first side member, said closure flap having a free longitudinal edge and free end edges, a flexible elongated bifurcated member having a free closed outer end and opposite leg portions secured at their open inner ends, one to one end of the closure flap adjacent the longitudinal edge thereof and the other to the corresponding end of the second side member at a point spaced downwardly from the top opening, said leg portions of the bifurcated member being free of connection with the adjacent end member and being of sufficient length that with spreading apart of said leg portions the



closure flap can swing upwardly to open position, opposite coacting lines of slide fasteners, one of said lines being secured to the longitudinal edge of the closure flap and one leg portion of said bifurcated member and the other said line of fasteners being secured lengthwise of the second side member in downwardly spaced relation to the top opening and to the second leg portion of the bifurcated member, and a slide coactive with the lines of fasteners having fastener opening movement in the direction of the bifurcated member and to the closed outer end of said bifurcated member.

2,560,438
LOAD GRIPPER FOR VEHICLES SUCH AS LIFT TRUCKS
Radfird B. Gunn, Jr., Meridian, Miss.
Application January 2, 1948, Serial No. 159
2 Claims. (Cl. 214—66)



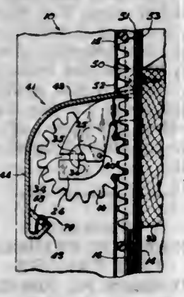
1. In combination with a lift having a vertically-disposed portion, a gripper apparatus for gripping a load, including a substantially horizontal support; means mounting said support upon said lift portion at the lower end of said lift portion; a pair of spaced-apart arms; means pivotally mounting said arms, adjacent a like end of each, upon said support to extend above said support for movements toward and away from each other, including a pair of pivots; an elongated, horizontal finger carried by each arm and spaced from said end thereof, with said fingers in substantial parallelism and a side of one facing a side of the other; and means to move said

arms upon their pivots to cause said fingers to grip the load when said load is disposed within the paths of travel of said fingers toward each other.

2,560,439
LIQUID EXPLOSIVE CONSISTING OF A NITROPARAFFIN AND N-DODECANE
John A. Hannum, Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 14, 1947, Serial No. 728,712
1 Claim. (Cl. 52—11)

An explosive liquid mixture detonatable by means of a blasting cap consisting of between 13 and 10 percent by weight of n-dodecane and between 87 and 90 percent by weight of a compound selected from the group consisting of tetranitromethane and hexanitroethane, the mixture being sensitive to explosive shock, resistant to mechanical shock, and adapted for use as a high explosive for military purposes.

2,560,440
WINDOW ROLLER SCREEN
Luitjen H. Heeren, Westmount, Quebec, Canada
Application November 6, 1946, Serial No. 708,083
6 Claims. (Cl. 160—30)



5. A window roller screen, comprising a screen roller, means for pivotally mounting said roller, screen cloth secured at one horizontal edge to said roller, said roller being rotatably mounted upon the window sash, a casing carried by said sash for enclosing said roller and the cloth engaged therewith, a screen flange permanently secured to the lower horizontal edge of said cloth, an inturned flange formed at the free edge of said casing for selective connection of said screen flange therewith, means carried by the window sill for detachably securing said screen flange thereto, and clips carried by said casing and coacting with said casing flange for engaging said screen flange when disengaged from said sill.

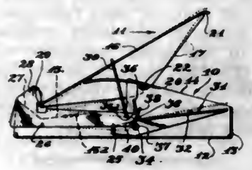
2,560,441
HYDRAULIC PUMPING SYSTEM
James W. F. Holl, Long Beach, Calif.
Application October 2, 1944, Serial No. 556,877
24 Claims. (Cl. 60—52)

1. In a counterbalanced hydraulic pumping unit for reciprocating a string of sucker rods connected to a well pump, the combination of: a hydraulic pump jack including means for mounting same directly above said well, said pump jack including a cylinder and an operating piston movable therein, said piston and cylinder defining a variable-volume operating chamber filled with actuating liquid and said piston being adapted for operative connection to said string of sucker rods; a counterbalance means remote from said pump jack and comprising a counterbalance chamber providing one portion containing a body of actuating liquid and another portion containing a compressible means in pressure-transferring relationship with said body of actuating liquid; hydraulic means forming the exclusive operative connection between said pump jack and said counterbalance means and including pipe means for surging the actu-



ating liquid from the counterbalance means to said operating chamber and later from said operating chamber to said counterbalance means to reciprocate said piston, said hydraulic means including a hydraulic control line extending from said pump jack; valve means controlling said pipe means; and hydraulic pressure impulse means included in said pump jack at the bottom thereof and connected by said hydraulic line to said valve means to actuate said valve means as said piston approaches the end of its stroke in one direction.

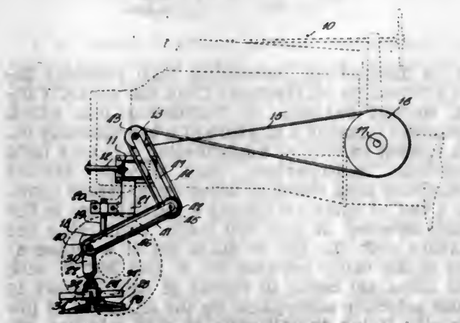
2,560,442
ANIMAL TRAP
William R. Horne, Los Angeles, Calif.
Application December 27, 1949, Serial No. 135,265
7 Claims. (Cl. 43—83.5)



1. In an animal trap of the kind described, an elongated base member carrying at one end a stationary animal gripping jaw, an elongated upper member carrying at one end a movable animal gripping jaw positioned to cooperate with said stationary jaw, means pivotally connecting to each other the midlength portions of said members in a vertically spaced apart manner thus providing clearance for the swing of said movable jaw in relation to said stationary jaw, a detent consisting of an arm swingable in a vertical plane and having an end portion pivoted to

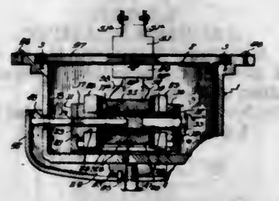
that end portion of the jaw-carrying lower member which is opposite to said stationary jaw, said detent having a downwardly facing locking shoulder superjacent to its pivotal mounting positioned to lock down that end portion of the upper member which is opposite to its movable jaw to hold the movable jaw in a "set" condition, an upwardly facing shoulder carried by the free end of said detent, a trigger having an end portion pivoted to the midlength portion of said base member below the pivotal connection of the latter with the upper member, said trigger having superjacent to its pivotal mounting a downwardly facing latching shoulder positioned to engage the aforesaid upwardly facing shoulder of the detent when said trigger is upswung from the horizontal and to disengage said shoulder when downswung, a spring operatively connecting said jaw-carrying members and tending to swing the upper member to the jaw-closing position, and a link connecting the upper jaw-carrying member with the free end portion of said detent and arranged to raise the upwardly facing shoulder of the latter to a superjacent relation to the shoulder of the trigger during the closing movement of the trap's jaws, when the jaws of the trap are swung to the limit of their opening movement, that end of the upper member which is opposite to its jaw engaging and depressing said detent to a position wherein the latter is locked down by said trigger and in turn, by its downwardly facing shoulder locks down the adjacent end of the upper member, thus maintaining the trap in a trigger-releasable "set" condition.

2,560,443
WEEDING AND CULTIVATING ATTACHMENT FOR TRACTORS
Clarence X. Hosford, Red Oak, Tex.
Application March 17, 1949, Serial No. 81,918
4 Claims. (Cl. 97—43)



3. A weeder and plant cultivator comprising a disc plow and a shaft therefor arranged to dispose said disc in a plane inclined to the horizontal, means for rotating said shaft, a hollow shaft rotatably embracing said first shaft, a stationary tubular member substantially coextensive with said hollow shaft and arranged between the latter and said first shaft, a rotary element carried by said hollow shaft having radially disposed blades operable above said disc plow, means for operating said rotary element in a direction counter to that of said disc plow to divert from the plants excess soil displaced by said disc plow, and a scraper blade stationarily mounted on the lower end of said tubular element and disposed between the rotary bladed element and disc plow to prevent accumulation of soil on the latter.

2,560,444
ALARM BELL AND VIBRATOR ELEMENT THEREFOR
Frank W. Jackson and Harry M. Nacey, Chicago, Ill.
Application January 24, 1949, Serial No. 72,402
9 Claims. (Cl. 177—7)



7. In a vibrator structure, the combination of a base member, a pair of spaced sleeve elements carried by said base member, said sleeves each having a bore therein axially aligned with one another, permanent magnet means related to the respective sleeves whereby the latter are of opposite polarity, an armature slidably carried in the bore of one of said sleeves, said armature having an extension of non-magnetic material at one end thereof positioned in the bore of the other sleeve, a winding inductively related to said armature, said winding being adapted to be connected to a source of alternating current, and spring means related to said armature for restricting axial movement of the latter.

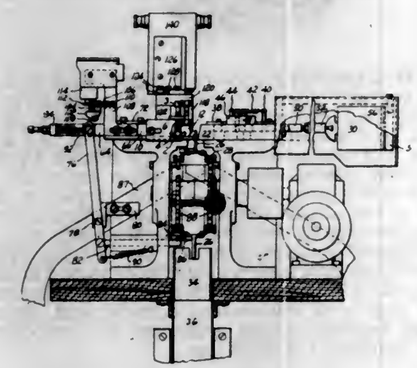
2,560,445
SAFETY LOWERING DEVICE, INCLUDING ROCKET DECELERATOR
John Maxwell Jackson, East Finchley, London, England, assignor to Irving Air Chute Co., Inc., Buffalo, N. Y., a corporation
Application July 22, 1947, Serial No. 762,756
In Great Britain August 1, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 1, 1961
10 Claims. (Cl. 244—138)



1. Apparatus for landing an object from the air comprising in combination a parachute of a size small in relation to the load supported thereby so that the descent of the falling load as supported thereby would normally be such as not to prevent injury to the load upon impact with the earth, normally inactive means for generating a stream of fluid, said generating means being attached to the falling load so as to direct the stream downwardly and thereby produce a force

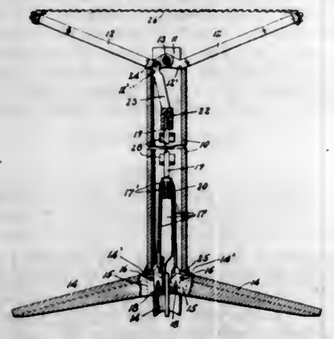
tending to lift said load, and means for bringing said generating means in operation when the load reaches a predetermined height above the landing place, whereby the landing speed of the load will be reduced to a safe value.

2,560,446
GAUGING MACHINE
Theodore A. Jagen, Harrison, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 15, 1944, Serial No. 565,040
4 Claims. (Cl. 209—88)



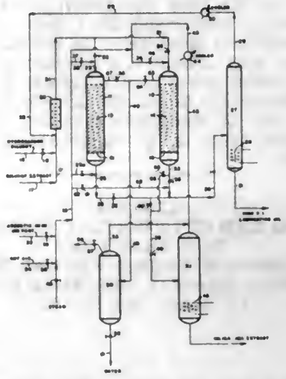
1. In a gauging machine, a runway, a pair of relatively movable gauging members, a pusher for pushing articles between the gauging members to the runway, a movable contact member actuated by one of the gauging members to complete a circuit if the article is of unacceptable size, means controlled by the completed circuit to interrupt the continuity of the runway and thereby discharge such article, an endless conveyor for advancing acceptable articles along the runway, and cams mounted on the conveyor for repeatedly actuating the pusher.

2,560,447
FOLDING SEAT WHICH CAN BE CARRIED AS A CANE
Victor Jansen, Los Angeles, Calif.
Application November 15, 1948, Serial No. 60,115
4 Claims. (Cl. 155—135)



4. In a folding seat, a tubular body having two extensions from the opposite sides of the upper end, two Y-shaped seat-supporting arms pivotally connected together at their lower ends between said extensions in the upper open end of said body, a pair of links connected at their upper ends to the pivoted ends of said arms, at opposite sides of their pivot, and extended down into said tubular body, a plurality of short legs each having its upper end pivotally connected at one side thereof to the side of the lower end of said tubular body, an adjustable connection from the lower ends of said links above, including two hair-pin like spring members, to the pivoted ends of said legs, to one side of their pivot supports, whereby the raising of said seat-supporting arms to folded positions simultaneously moves said short legs into folded condition.

2,560,448
RECOVERY OF LUBRICATING OIL FROM SOLVENT EXTRACTS
William C. Jones, Jr., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application May 15, 1948, Serial No. 27,265
10 Claims. (Cl. 196—147)

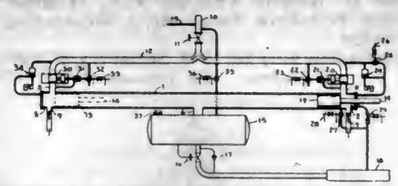


1. A method for recovering high viscosity index lubricating oil fractions from low viscosity index solvent extracts of lubricating oils which comprises forming a mixture of a low viscosity index solvent extract of a lubricating oil and a light paraffinic hydrocarbon, said solvent extract containing high viscosity index components forming a bed of silica gel having a particle size in the range between 28 and 350 mesh, contacting the mixture with the bed of silica gel at a temperature in the range between 60° F. and 200° F. with said silica gel being in excess of said extract to cause selective adsorption by the silica gel of low viscosity index constituents in said mixture, removing unadsorbed mixture from contact with said bed, and recovering from said unadsorbed mixture by distillation high viscosity index lubricating oil fractions.

2,560,449
FREE PISTON ENGINE
Martin Kahr and Vincent R. Noll, Milwaukee, Wis., assignors to The Filer & Stowell Co., Milwaukee, Wis., a corporation of Wisconsin
Application January 2, 1947, Serial No. 719,756
18 Claims. (Cl. 121—126)

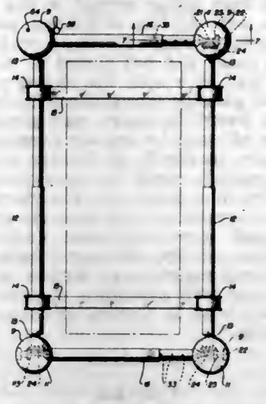
1. A steam engine comprising a cylinder, a piston mounted for reciprocation in said cylinder, steam inlet ports at each end of said cylinder, an exhaust port for said cylinder intermediate said inlet ports, steam feed valves for controlling the admission of steam to said inlet ports, and

means for closing one of said valves when the pressure in the end of said cylinder with which



said one of said valves is connected exceeds the pressure of the source of supply.

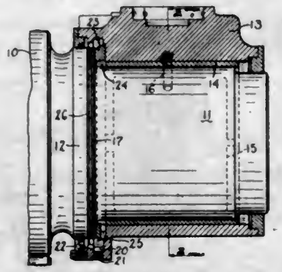
2,560,450
CASKET LOWERING DEVICE
Ernest H. Kaiser, Chicago, Ill., assignor to Frigid Fluid Company, a corporation of Illinois
Application May 6, 1947, Serial No. 746,334
4 Claims. (Cl. 254—136)



1. A casket lowering device, comprising, four supporting corner posts, a pair of telescopically adjustable longitudinally disposed winding shafts antifrictionally journaled in said posts, a pair of telescopically adjustable tubular housing connecting the end posts, a pair of telescopically adjustable end shafts within said tubular housings antifrictionally journaled in said end posts, bevel gears in each of said posts making a positive driving connection between said winding shafts and end shafts, sad end shafts having a flexible universal-jointed portion to provide accommodation to small variations in the level of the corner posts, said universal-jointed portion including a stub shaft in a corner post, said stub shaft having an end extending loosely into one of said end shafts, and a pair of laterally spaced apart pin members fixed at right angles to each other in the adjacent end of the end shaft, said shaft extending end having a pair of apertures loosely receiving said pin members.

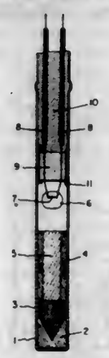
2,560,451
LUBRICANT CONTROL FOR JOURNAL BOXES OR THE LIKE
Arthur W. Kemp, Woodbridge, Conn., assignor to Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut
Application April 15, 1949, Serial No. 87,605
3 Claims. (Cl. 308—121)

1. A bearing structure for a mill roll or the like having a bearing neck and a shoulder adjacent the neck, a journal box in which the neck is rotatably mounted, a bearing liner in said box, said liner terminating in a plane spaced from that of the face of said shoulder, oil-inlet means in the box and extending through said liner, a ring positioned between the face of the shoulder and the inner face of said box to engage both



said faces, said liner terminating at the outer face of said ring to provide a space between said ring and the roll neck, and means providing a drain opening for said space to drain off the oil trapped by said ring before it reaches the roll shoulder.

2,560,452
DELAY COMPOSITIONS FOR ELECTRIC BLASTING CAPS
Hugh Mowat Kerr, Brownsburg, Quebec, Canada, and Cecil R. L. Hall, Saltcoats, Scotland, assignors to Canadian Industries Limited, Montreal, Quebec, Canada, and Imperial Chemical Industries Limited, London, England
Application May 6, 1948, Serial No. 25,366
In Canada June 4, 1947
8 Claims. (Cl. 52—2)

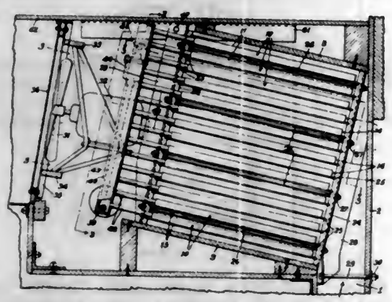


1. A delay composition for delay electric blasting caps which comprises between 24% and 47% of silicon, between 32% and 63% of an oxidizing agent and mischmetal alloyed with a metallic element consisting of aluminium, magnesium, nickel, zinc, cobalt, silicon, tellurium, copper, selenium, antimony, iron, lead, manganese and tin.

2,560,453
HEAT EXCHANGE UNIT FOR REFRIGERATION
Herman W. Kleist, Chicago, Ill., assignor to Dole Refrigerating Company, Chicago, Ill., a corporation of Illinois
Application February 9, 1946, Serial No. 646,558
3 Claims. (Cl. 62—129)

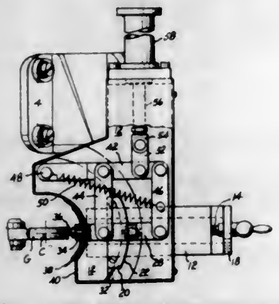
1. In a heat exchange unit, an air directing housing having an inlet at one end and an out-

let at the other, a plurality of plates in said housing, each said plate having a smooth, plane unrestricted face at each side thereof, said plates being parallel and being separated by relatively restricted spaces defining air passages of uniform thickness substantially from edge to edge of the



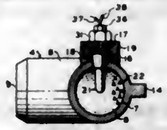
plates, a source of refrigerant supply, a connection therefrom to said plates, a return connection from the plates to the refrigerant supply, the connection to said plates including a pressure reducing device and parallel connections therefrom to said plates.

2,560,454
APPARATUS FOR DRESSING CONVEX SURFACES ON GRINDING WHEELS
Joseph Klopak, Newark, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 8, 1949, Serial No. 86,254
5 Claims. (Cl. 125—11)



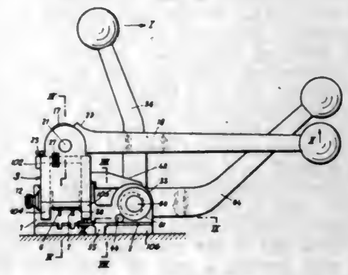
1. In apparatus for forming a convex curve across the periphery of a grinding wheel, a long arm pivoted at one side of the grinding wheel, the pivot lying in a plane intersecting the wheel at right angles, a second and shorter arm normally in the central plane of the grinding wheel, links pivotally connecting the arms in parallelism, a cutting tool at one end of the shorter arm, a follower on the shorter arm, a convex profile blade extending across the plane of the grinding wheel and having its center of curvature within the body of the wheel and in the aforementioned intersecting plane, a spring urging the follower against the blade, and means operatively connected to the longer arm for oscillating the longer arm around its pivot to traverse the follower along the blade.

2,560,455
THERMOCOUPLE RETURN BEND AND WELL
Thomas H. Knight, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 26, 1949, Serial No. 95,458
5 Claims. (Cl. 136—4)



1. A return bend and well for a thermo-sensitive instrument comprising in combination a piece of pipe having a U-shaped passage therein disposed to direct a fluid through a turn, said pipe having a bore connecting said passage to the exterior at a point in the central portion of said pipe, said bore having an outer screw threaded portion and an inner conical seat portion, the axis of said bore being normal to the plane containing the axis of the U-shaped passage, and a well comprising a pipe having a central passage open at its outer end but closed at its inner end secured in said bore with the closed end extending into the passage along the axis of said bore and spaced from the inner wall along the outside radius of said U-shaped passage whereby solid particles in the fluid flowing through said U-shaped passage tend to be carried by centrifugal force in a path out of contact with said well, screw threads on the exterior of said well engaging said screw threaded portion, and a conical surface on the exterior of said well sealing against said conical seat portion, at least that portion of said well extending into said passage being coated with a welded on layer of hard metal "Stellite."

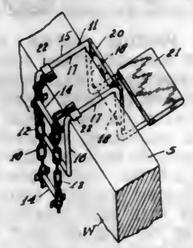
2,560,456
STRAP TENSIONING AND SEALING DEVICE
Xaver Kuoni, Zurich, Switzerland
Application February 27, 1946, Serial No. 650,650
In Switzerland September 19, 1945
6 Claims. (Cl. 81—9.1)



1. In a device for tensioning and closing band iron hoops, the combination of a base plate having a front parallel to the band when inserted in the device, the front portion of the bottom face of the base plate being curved upward, the remainder of said face being plane, a housing erected on said base plate substantially above said curved portion, a gap between the base plate and a portion of the housing wall for the insertion of said band, a cutter head movable interiorly of and guided by said housing, a cutter mounted in said head, means for tensioning said band, and a foot-like means movably connected

to said base plate, said foot-like means having one position in which it projects from the curved bottom portion of said base plate to prevent undesired tilting of said device on said curved bottom portion and one position in which said device is free to tilt.

2,560,457
SAFETY ESCAPE LADDER
Edwin W. Litten, Pittsburgh, Pa.
Application January 31, 1948, Serial No. 5,582
1 Claim. (Cl. 228—2)



A portable fire escape comprising in combination a chair having a tubular frame including a base, two front legs extending upwardly therefrom, seat rails extending horizontally from said legs, said base, legs and seat rails forming a substantially U-shaped structure, a back extending upwardly substantially normal to the ends of the seat rails remote from the legs, said seat rails and base being adapted to engage opposite sides of a wall beneath a window sill with the legs extending across the sill, fastening means on the legs adjacent the base for holding a ladder spaced from the window sill, a flexible ladder attached to said means and adapted to be suspended alongside the wall of a building in spaced apart relation thereto, and storage facilities for said ladder between said rails and base.

2,560,458
AUXILIARY SEAT FOR BABY BUGGIES AND FASTENING MEANS THEREFOR
Walter H. Long and Betty Ruth Long, San Luis Obispo, Calif.
Application October 12, 1948, Serial No. 54,054
2 Claims. (Cl. 155—10)



1. An auxiliary seat for baby buggies of the type having substantially vertical spaced parallel side walls and horizontal side rails respectively provided at the outer sides of said side walls and having upper surfaces substantially flush with the upper edges of said side walls and lower surfaces disposed outwardly of said side walls, comprising a seat structure including substantially vertically disposed spaced parallel sides, horizontal cleats secured to and projected from said sides and adapted to slideably engage the upper surfaces of said rails for forward and rearward adjustment, strip members secured to the underside of said cleats in contact with the outer surface of said sides and the inner surface of said side walls to position said seat structure against lateral displacement between said rails, and clamping means carried by said cleats and cooperatively engageable with the lower surfaces of said rails to secure the adjusted position of said seat structure.

2,560,459
LOCKING MECHANISM FOR CONVERTIBLE TOPS
Everett E. Lundberg and Trygve Vigmostad, Detroit, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application September 10, 1947, Serial No. 773,276
16 Claims. (Cl. 296—120)



9. In a vehicle body having a windshield structure, a foldable top including a header, locking means carried by the header and including a locking device at the central portion of the header and two locking devices at opposite ends of the header, the central locking device being shiftable forwardly of the body and the end locking devices being shiftable in opposite directions outwardly of the body and each locking device engageable with a fixed member on the windshield structure, a pair of bell crank levers pivotally mounted on the header to swing about generally vertical axes and each connecting the central locking device with one of said end locking devices, a longitudinally slidable member rotatably connected to said central locking device for shifting the same fore and aft thereby to transmit motion to said end locking devices through said levers, means for shifting said slidable member longitudinally in a rectilinear direction and also for rotating the same, and means controlled by the rotation of said member for restraining the same against longitudinal motion.

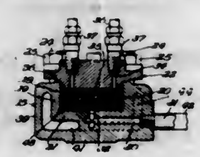
2,560,460
REINFORCED CLIP AND LINGUAL OR PALATAL BARS FOR DENTURES
Augustus R. Mackey, Newark, N. J.
Application June 20, 1950, Serial No. 169,150
3 Claims. (Cl. 32—7)



1. In a partial denture comprising spaced plate sections joined by a connecting bar the end portions of which are imbedded and anchored in the respective plate sections and said plate sections having clips projecting from their inner ends the shanks of which are likewise imbedded and anchored therein, the combination with the foregoing elements of an external reenforcing body affixed to and embracing an edge portion of each plate section, and said body having an

upwardly directed end portion extending across and affixed to the connecting bar and extending therefrom to the adjacent clip with its extremity affixed to said clip.

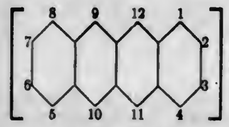
2,560,461
LUBRICATING SYSTEM
Erwin G. Mangels, Davenport, Iowa
Application October 6, 1949, Serial No. 119,940
7 Claims. (Cl. 184—7)



1. A lubricating system comprising: a casing including a body provided with an annular vertical wall and a flat bottom wall defining a chamber with an open top and a cover detachably secured on the body, forming a top closure and provided with a flat bottom face; a preformed pad of fibrous material having its fibers extending substantially transversely of and substantially filling said chamber and uniformly compressed between the flat faces of the cover and the bottom wall; means including a duct in the body terminating in the central portion of the upper face of the bottom wall for delivering oil under pressure to the pad; the cover being provided with a series of symmetrically disposed individual flow restricting ports communicating with the top face of the pad, for separately delivery oil from the pad to different elements to be lubricated; and means forming an offset in the chamber for angularly deflecting the ends of fibers in the pad for preventing direct flow of oil between the contiguous surfaces of the pad and walls of the chamber from the inlet duct to the outlet ports.

2,560,462
WATER-SOLUBLE TETRACENE DYESTUFFS AND METHOD OF DYEING EMPLOYING THEM
Charles Marschalk and Jean Paul Niederhauser, Creil, France, assignors to Societe Anonyme de Matieres Colorantes et Produits Chimiques Francolor, Paris, France, a corporation of France
No Drawing. Application May 29, 1947, Serial No. 751,460. In France June 12, 1946
9 Claims. (Cl. 8—1)

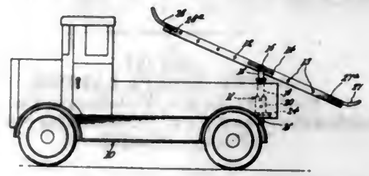
9. The method for coloring textile fibers selected from the group consisting of cellulose and regenerated cellulose, which consists in applying on said fibers, in a non-alkaline medium, a basic dyestuff of the general formula:



(An).

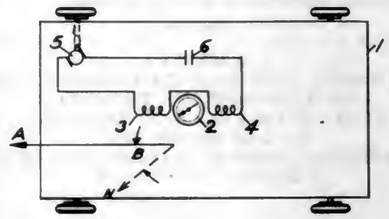
wherein a sulfur atom is fixed to each of the carbon atoms of the tetracenic nucleus numbered 9–10–11 and 12, and An stands for an anion, *n* being one of the integers 1 and 2, and then converting said soluble dyestuff into an insoluble pigment on said fibers by subjecting the latter to a treatment with a reducing agent.

2,560,463
TRUCK LOADER
Finis F. Matson, Butte, Mont.
Application May 16, 1947, Serial No. 748,520
3 Claims. (Cl. 212—60)



1. A truck loading device comprising, an elongated lever arm provided with a plurality of spaced-apart apertures extending substantially throughout the major portion of its length and having a centrally disposed slot, said lever arm having a load engaging element at each end thereof, a collapsible base including a plurality of vertically adjustable telescoping segments, a rotatable U-shaped swivel element associated with said lever arm and adapted to engage in the top portion of one of said segments, said U-shaped swivel element being apertured to receive a removable pin adapted selectively to engage in said central slot and said apertures in said lever arm for varying the effective leverage of said lever arm, and a depending rod secured to the bottom of said base in vertical alignment with said telescoping segments and said swivel element.

2,560,464
MAGNETIC COMPASS COMPENSATION DEVICE
Eugene M. McNatt, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 26, 1949, Serial No. 123,713
1 Claim. (Cl. 33—225)

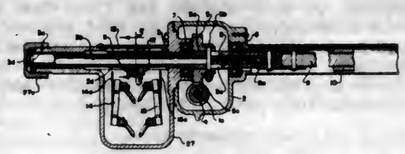


A compensation device for a compass carried by a moving vehicle consisting of at least one coil mounted adjacent to the compass having the axis of the coil parallel to the longitudinal axis of the vehicle, a direct current generator driven at a speed proportional to the speed of the vehicle, and a capacitance, said coil, generator and capacitance being connected in series whereby a current is set up in the coil proportional to changes in speed of the vehicle operative to minimize errors of the compass.

2,560,465
HAND OR POWER-OPERATED MECHANISM
Graham D. McVicker and Eugene L. Holston, San Diego, Calif.
Application March 26, 1948, Serial No. 17,304
1 Claim. (Cl. 74—625)

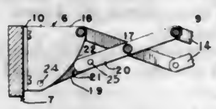
In a power-operated adjustable bed, a rotatable hollow shaft, a worm operatively supported

axially transverse to said shaft, power means for driving said worm, a worm wheel mounted on said shaft for movement longitudinally thereof and adapted to engage with and disengage from said worm, means for holding said worm wheel against rotative displacement relative to said shaft, said means comprising a bolt in connection with said worm wheel, said hollow shaft having slotted side walls through which said bolt extends, spring means supported within said hollow shaft exerting its bias upon said bolt for positioning said worm wheel on said shaft for engagement with said worm, a pair of limit switches in spaced relationship to one another for controlling the operation of said power means,



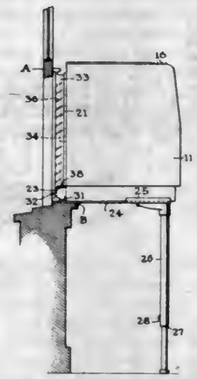
limit switch stop members externally screw-threaded on said main rotatable shaft for movement longitudinally thereof, guide means arranged to prevent rotation of said limit switch stop members on said shaft, said limit switch stop members adapted to engage said limit switches individually on rotation of said shaft a certain number of revolutions, the particular limit switch engaged dependent on the direction of rotation of the shaft, and a manual operating handle insertable in said hollow shaft and engageable with said bolt for moving said worm wheel laterally of the axis of said worm against the bias of said spring means to disengage said worm wheel from said worm.

2,560,466
COLLAPSIBLE RACK
Victor E. Meinke, Norfolk, Va.
Application March 16, 1950, Serial No. 149,908
2 Claims. (Cl. 211—105)



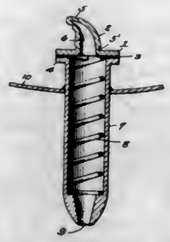
1. In the combination with a vertical supporting member, of an extensible rack assembly comprising a pair of brackets extending outwardly from said member in spaced parallel relation, a pair of lazy tongs each extending outwardly from one of said brackets and arranged with their links disposed in parallel vertical planes, one of the inner links of each of said lazy tongs being pivotally attached to the bracket adjacent thereto, a pair of locking arms each pivotally attached at its one end to one of said brackets and pivotally attached at its other end to the other inner link of the lazy tong adjacent thereto, the locking arms each being of a length whereby, when said lazy tongs are in an extended position, the connecting pivotal connection of said locking arms and the respective other inner links will lie in a position slightly above a dead center position with respect to each other with the inner end of said other inner link abutting the outer edge of the corresponding bracket as a stop to thereby lock said lazy tongs in said extended position, and a plurality of spaced transverse bars positioned intermediate said lazy tongs and connected at their respective ends to the latter.

2,560,467
MOUNTING ASSEMBLY FOR REFRIGERATIVE AIR CONDITIONERS
Paul B. Moore, York, Pa., assignor to York Corporation, York, Pa., a corporation of Delaware
Application June 23, 1949, Serial No. 100,947
3 Claims. (Cl. 62—129)



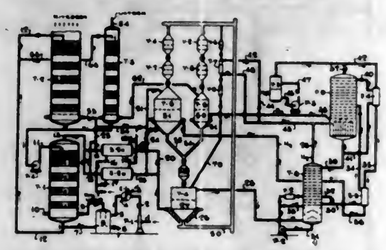
1. The combination of a mount comprising as a structural entity a ported unit for connecting with out of doors through the interval between a window sill and a raised sash, and a machine base including adjustable floor-engaging supporting means for said base; and a conditioner of the refrigerative type engaging said mount and having a room air circuit and related fan, and a condenser air circuit and related fan, with both ends of the latter circuit terminating in portions of the conditioner structure which engage the mount, the parts being so arranged that the act of positioning the conditioner on the mount connects the ends of the condenser air circuit with out of doors through said ported unit.

2,560,468
FIRE EXTINGUISHER
Charles R. Morton, Summit, N. J.
Application June 1, 1950, Serial No. 165,487
2 Claims. (Cl. 169—26)



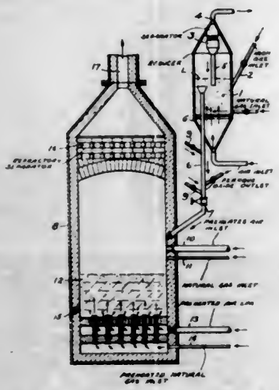
1. In a fire extinguisher comprising a container of fire extinguishing fluid such as carbon tetrachloride under pressure, said container having a cover with an aperture, a tube passing through the aperture in the cover and sealed to the cover, said tube having a flange at one end outside of the container and an aperture at its other end inside the container, a cap mounted on the flange and having an opening communicating with the tube, a nipple integral with the cap and having a hollow portion covering said opening, fusible means securing the cap to the flange, and a compression spring in the tube bearing against the cap to force the cap from the flange when the metal fuses.

2,560,469
OXYGEN PROCESS
Henry J. Ogorzaly, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 12, 1946, Serial No. 703,000
8 Claims. (Cl. 62—175.5)



8. The method of producing oxygen by the liquefaction and rectification of air, which comprises passing downwardly through one zone a mass of pellets, flowing upwardly through said zone in contact with said pellets and substantially uniformly distributed therethroughout a stream of rectification product, withdrawing said pellets from the base of said zone at a temperature close to that of the incoming rectification product stream, passing the withdrawn chilled pellets downwardly through a second zone countercurrent to a rising stream of air substantially uniformly distributed throughout the pellets flowing through said second zone, withdrawing the air from said second zone at a temperature close to that of the incoming pellets and withdrawing the pellets from said second zone and reintroducing them into the top of said first mentioned zone.

2,560,470
REDUCTION AND MELTING OF ORES WITH GASEOUS FUEL
Henry J. Ogorzaly, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 12, 1948, Serial No. 7,910
2 Claims. (Cl. 75—40)

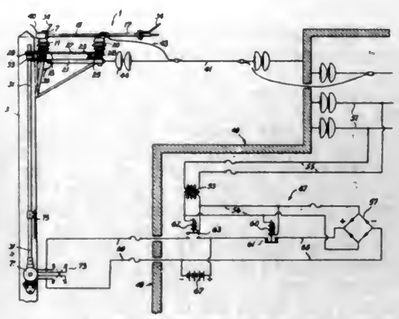


1. A continuous process for producing from iron ore a molten iron substantially free of carbon which comprises first partially reducing an oxidic iron ore in subdivided form in a primary stage by contacting the said ore in the form of a fluidized mass with a reducing gas containing hydrogen and carbon monoxide at temperatures of from about 1300°–1700° F. for a period of from about 5 minutes to one hour whereby the iron content of the said ore is reduced to the ferrous state, withdrawing the partially reduced ore from the primary stage, charging the substantially uncooled ore in the form of a fluidized column by gravity flow into a melting zone, contacting the said partially reduced ore with a hot neutral gas to form a suspension of said partially reduced ore in said gas and melting the partially reduced ore without effecting a change in the state of oxidation of said ore by maintaining the hot neutral gas at temperatures up to 2700° F., thereafter forming a pool of the molten partially reduced ore below the said melting zone by gravity separation of said molten ore from the said gaseous suspension, contacting said molten ore in said pool with a reducing gas containing hydrogen and carbon monoxide at elevated temperatures and recovering a substantially carbon-free metallic iron product in liquid state.

2,560,471
MANUFACTURE OF CAST IRON
Jean Georges Platon, Paris, France
No Drawing. Application March 10, 1947, Serial No. 733,721. In France March 21, 1946
5 Claims. (Cl. 75—41)

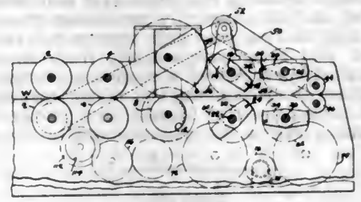
1. A process for the manufacture of cast iron in a blast furnace from a mixed charge of coke, ore and fluxes, which comprises continuously blowing air, at least as rich in oxygen as normal air, into said furnace through nozzles disposed at at least two different levels in the smelting zone of said furnace, the air blown through at least one level of nozzles being overoxygenated, and controlling the temperature in the furnace by controlling the temperature of the air blown through nozzles at one level.

2,560,472
LINE SWITCHING DEVICE
John A. Pollock, Bainbridge, Ga., and John L. Turner, East St. Louis, Ill., assignors to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application December 27, 1949, Serial No. 135,144
15 Claims. (Cl. 171—97)



14. Automatic line transfer switching mechanism for an electrical power distribution system having a pair of input feeder circuits and an output feeder circuit, said mechanism comprising a power-operated transfer switch, electrically controlled means for mechanically operating said transfer switch, a power source for the switch-operating means, said power source being independent of the output feeder, and a control circuit including a relay connected in the output feeder circuit operative to energize said switch-operating means in response to an abnormal decrease in the energization of the output feeder circuit and to deenergize said switch-operating means when the energization of the output feeder circuit is normal, said switch control circuit including a normally-closed relay the field coil of which is energized by means of the output feeder circuit, and a second circuit connecting said power source to the switch-operating means, said relay switch being connected to interrupt said second circuit.

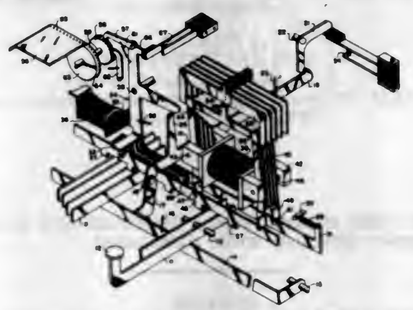
2,560,473
MECHANISM FOR SUCCESSIVELY PRODUCING BAG LENGTHS FROM CONTINUOUSLY ADVANCING TUBULAR WEBS
Adolph Potdevin, Garden City, and Rudolph Paul Bechle, Yonkers, N. Y., assignors to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application August 18, 1948, Serial No. 44,858
8 Claims. (Cl. 164—68)



1. Web cutting mechanism comprising in combination a pair of rotary cutting elements adapted to receive the leading end of a continuously advancing web between them and to impart a predetermined shape to the web end, a second pair of rotary cutting elements to the rear of the first pair and adapted to receive the continuously advancing web between them and arranged completely to sever the web to the rear of the shaped leading end after the completion of the shaping of the leading end, means for rotating said cutting elements at a fixed number of revolutions per minute, rotatable means for effecting continuous advance of the web through said cutting devices, means for varying the linear speed of the web without varying the peripheral speed of the cutting elements and means for varying the peripheral speed of the cutting elements without varying the revolutions per minute of said cutting elements, whereby the severed sections of the web may be varied in length, the cutting elements when contacting the web traveling at a predetermined peripheral speed relationship to the linear speed of the web.

2,560,474
KEYBOARD OPERATED MAGNETIC RECORDER
Louis M. Potts, deceased, late of Evanston, Ill., by Martha W. C. Potts, executrix, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 18, 1947, Serial No. 755,446
1 Claim. (Cl. 346—74)

In a magnetic recorder for impressing marking and spacing conditions on a magnetically conductive record strip, a plurality of magnetic circuits including means for producing a magnetic flux comprising an electro-magnet having a metallic core, a plurality of pairs of magnetically conductive instrumentalities, corresponding members of each pair pivotally supported on respective ends of said core, a first set of magnetic conductors interposed between the upper inner edges of said pairs of instrumentalities and severally associated therewith, corresponding ones of said pairs of instrumentalities adapted to have contactual engagement alternatively with respective ends of said first set of conductors, a second set of magnetic conductors associated severally with said first set of magnetic conductors and disposed over said first set of conductors and the upper ends of said instrumentalities, said corresponding ones of said pairs of instrumentalities adapted to have contactual engagement alternatively with respective ends of said second set of

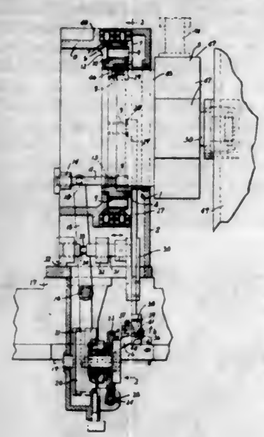


conductors, each magnetic conductor of said sets provided with a pole determining projection, said projections arranged in juxtaposition, and a key controlled selector means pivotally articulated to the lower ends of said instrumentalities, whereby in response to the operation of a key, said instrumentalities are operated into one or the other of said alternative contactual engagements to establish said magnetic circuits to produce on said record strip groups of pairs of magnetized areas arranged in accordance with a predetermined code in which the poles of each pair of areas are arranged in one manner for spacing conditions and in the reverse manner for marking conditions.

2,560,475
INDEXING MECHANISM
Axel F. Rehnberg and John Nelson, Rockford, Ill., assignors to Rehnberg-Jacobson Mfg. Co., Inc., Rockford, Ill., a corporation of Illinois
Application June 26, 1946, Serial No. 679,536
17 Claims. (Cl. 74—116)

1. In a machine tool, in combination with a frame, a turret rotatable thereon having substantially flat opposite sides and having a plurality of pin holes in equally circumferentially spaced relation and a plurality of equally circumferentially spaced projections, a locking pin guided on said frame on one side of said turret for engagement successively in said pin holes, a rocker arm disposed in substantially parallel relation to one side of said turret and connected with said pin to reciprocate it, an indexing arm disposed in substantially parallel relation with the other side of said turret reciprocable in either of two planes substantially parallel to the latter side of the turrent and engageable with said projections in succession when disposed in one of the planes to index the turret, means for rocking the rocker arm to operate the locking pin, means movable to and fro with the rocker arm to shift the reciprocable arm from one plane to the other to engage and disengage said

indexing arm from said projections, and means for reciprocating the indexing arm in one direc-



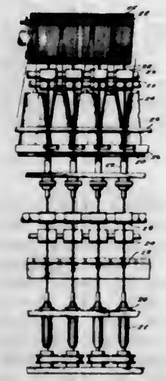
tion while engaged with a projection and in the opposite direction while disengaged.

2,560,476

ATTACHMENT FOR SPINNING FRAMES

Jeter H. Riddle, Black Mountain, and Walter Garvis Reed, Swannanoa, N. C., assignors to Beacon Manufacturing Company, a corporation of Massachusetts

Application December 29, 1948, Serial No. 67,928
7 Claims. (Cl. 57—80)



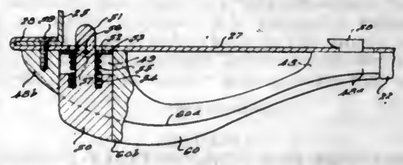
1. In a spinning frame in which a filling yarn and reinforcing thread are twisted together, lead over a guide bar, and wound onto a bobbin, the improvement comprising a reciprocating slotted member over which the twisted filling yarn and reinforcing thread travel, the slot in said member having an insufficient width to accommodate the combined filling yarn and reinforcing thread, but having sufficient width to accommodate said reinforcing thread alone when the filling yarn breaks, and a fixed cooperating member with which said reciprocating member is associated in sliding contact and which will effect shearing of said reinforcing thread in said slot when the reciprocating member brings the reinforcing thread in contact with this fixed member.

2,560,477

DOOR LOCK CONTROL

John H. Roethel, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan

Application October 26, 1944, Serial No. 560,391
4 Claims. (Cl. 292—229)



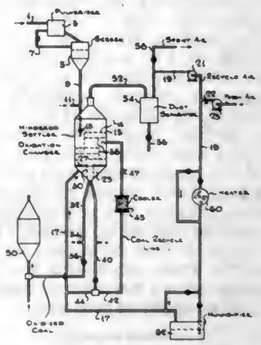
1. A control device for a door latch carried by a swinging door and provided with a shiftable member for releasing the latch bolt thereof, comprising a handle attachable at opposite ends to the door and having a hand grip intermediate said ends, a slidable plunger mounted in one of said ends and projecting outwardly thereof for engagement by a finger to permit the plunger to be pressed inwardly and shift said bolt releasing member, and an outwardly projecting rib on said hand grip having one end terminating at said plunger and lying substantially flush therewith to shield the projecting end of the plunger, the said end of the rib having less width than the adjacent portion of the handle and substantially the same width as the adjacent end of the plunger.

2,560,478

PROCESS FOR THE MILD OXIDATION OF CARBONACEOUS SOLIDS

Bruno E. Roetheli, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application September 20, 1946, Serial No. 698,389
4 Claims. (Cl. 202—27)



1. In the mild oxidation of carbonaceous solids with an oxidizing gas at temperatures lower than the temperature at which the combustible constituents of said solids burn to a substantial degree to their ultimate combustion products, the improvement which comprises maintaining a series of dense turbulent beds of said solids fluidized by a gas, said beds being positioned at successively lower levels, contacting the solids in each bed with the oxidizing gas at said lower temperature, introducing fresh solids into the uppermost bed, removing oxidized solids from the first bed at a point substantially above the bottom of the bed and flowing them downwardly into each lower bed in succession, removing oxidized solids from the lowermost bed cooling a portion of said withdrawn solids below said lower temperature and returning solids so cooled to one of said beds positioned above said lowermost bed.

2,560,479

PRODUCTION OF LUBRICATING OILS

George Riethof, Pittsburgh, Charles W. Montgomery, Oakmont, and George P. Brown, Jr., Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application February 3, 1949, Serial No. 74,464
7 Claims. (Cl. 196—40)

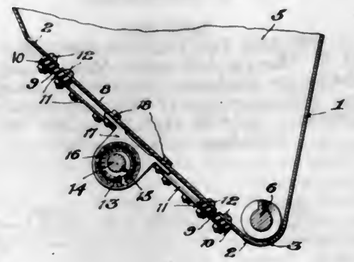
1. A method of producing a lubricating oil which comprises subjecting a solvent extract of a lubricating oil distillate stock containing at least 15 per cent, by weight of the solvent extract, of hydrocarbons boiling within the range of about 300° to about 400° C. at 10 mm. mercury absolute pressure, to distillation under conditions adapted to minimize cracking, collecting distillate hydrocarbons boiling within the range of about 300° to about 400° C. at 10 mm. mercury absolute pressure and constituting at least 15 per cent by weight of the solvent extract, subjecting said distillate hydrocarbons to a mild sulfonation treatment effective to sulfonate the more easily sulfonatable of said distillate hydrocarbons but ineffective to cause appreciable oxidation of said distillate hydrocarbons such as to form objectionable amounts of sludge, said mild sulfonation treatment corresponding to sulfonation with about 20 to about 50 per cent by weight of said distillate hydrocarbons of sulfuric acid of about 93 to 98 per cent H_2SO_4 concentration at substantially atmospheric temperature and with a time of treatment of less than about 5 hours to produce an unreacted oil layer containing dissolved oil-soluble sulfonic acids and a sulfonating agent layer, separating the unreacted oil layer from the sulfonating agent layer, removing oil-soluble sulfonic acids from said unreacted oil layer, and recovering the resulting lubricating oil.

2,560,480

HOPPER SHAKER PLATE AND COMB ASSEMBLY

William B. Rogers and Everett D. Coffin, Baltimore, Md., assignors to John B. Rogers, Pasadena, Md.

Application May 13, 1947, Serial No. 747,752
4 Claims. (Cl. 222—200)



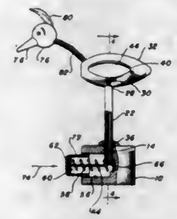
1. In a hopper for pulverized solid materials, having side walls converging towards its lower end, and having a conveyor screw journaled in its lower end for moving said material axially thereof; one side wall having an opening therein terminating adjacent said screw; a shaker plate in said opening; resilient means connecting the plate to its related side wall adjacent the opening, said resilient means comprising a rubber strip around the opening bridging the gap between the plate and wall; frame members overlying the sides of the strip; and members transfixing the frames, strip, plate and wall respectively to clamp the sides of the strip between the frames, plate and wall at opposite sides of the gap, and means for vibrating the plate said vibrating means comprising a shaft fixedly journaled adjacent the shaker plate; an eccentric cam on said shaft; and a housing on said shaker plate in which the cam is rotatably mounted; whereby when the shaft is rotated the shaker plate will be vibrated.

2,560,481

ANIMATED BIRD TOY

Calvin Rouse, Jamaica, N. Y.

Application November 12, 1946, Serial No. 709,306
3 Claims. (Cl. 46—124)



1. A toy comprising a base, having a pair of upright spaced bores formed therein and a substantially horizontal bore communicating with said spaced upright bores, a spring pressed plunger in said horizontal bore, pull cord means engaging said plunger at one end for retaining the same against ejection from said bore under the influence of said spring, a bird-like figure supported on hollow tubular legs upon said base, and having a lateral slot cut into its underbelly, said tubular legs extending upwardly into said lateral slot, wing rods having loops formed on their inner ends and fulcrumed on the outer edges of the upper end openings of said tubular legs, said pull cord means extending upwardly through said tubular legs and engaging said wing rod loops to normally bias them downward into said leg openings to tilt the outer ends of the wing rods upwardly under the influence of said spring, and wings on the outer ends of said wing rods, said wings being thus normally biased by said spring into upraised extended position, whereby upon depression of said plunger into said horizontal base bore to compress said spring, the tension on said pull cords is released, allowing said wings to droop under the influence of the unbalanced gravity force.

2,560,482

DIPPED VINYL RESIN ARTICLE, COMPOSITION, AND METHOD

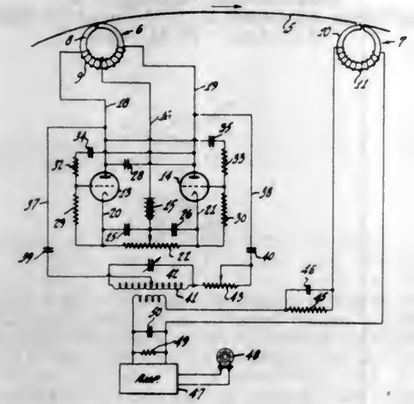
Clayton F. Ruebensaal, Baltimore, and Earl H. Sorg, Hydes, Md., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 15, 1949, Serial No. 81,624
4 Claims. (Cl. 260—28.5)

4. The method of making a dipping solution comprising mixing a vinyl halide resin having a molecular weight above about 22,000 with a plasticizer and between about .01% and about .1% of

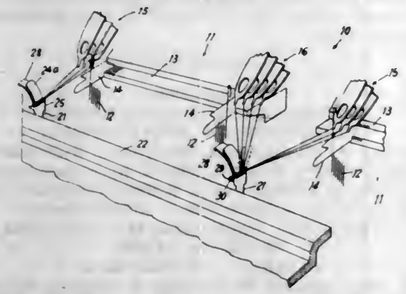
paraffin wax to form a smooth oily paste, adding a low vapor pressure solvent to the paste and converting the mixture into a slurry, dissolving the resin by heating the slurry at between about 100° C. and about 120° C., cooling the resulting solution to about 60° C., and diluting the resulting solution to the consistency desired by adding thereto a suitable amount of diluent having a higher vapor pressure than the solvent.

2,560,483
ERASING SYSTEM FOR MAGNETIC RECORDERS
Henry F. Schoemehl, Seelyville, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1950, Serial No. 158,870
7 Claims. (Cl. 179—100.2)



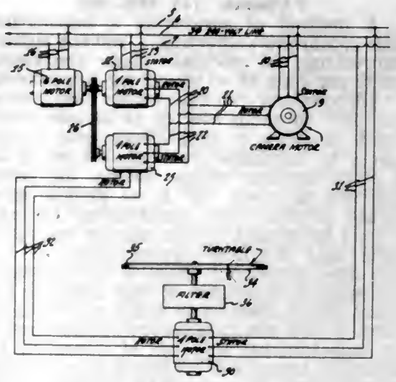
4. A system for eliminating stray magnetic fields in a magnetizable record medium comprising a magnetic erasing head having two winding sections, means for applying an erasing current to said two winding sections of said magnetic erasing head, and means for balancing the currents to said winding sections.

2,560,484
MEANS FOR HOLDING YARN ENDS
Peter Schoenster, Teaneck, and Richard Schmollinger, Ridgefield, N. J., assignors to Alfred Hofmann & Co., West New York, N. J., a corporation
Application June 2, 1950, Serial No. 165,728
3 Claims. (Cl. 66—145)



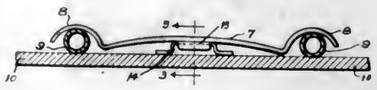
1. In a knitting machine including knitting elements and a yarn carrier, a conduit having an orifice located in operative relation to said carrier and means for producing an air flow in said conduit comprising suction means communicating with said conduit and means for introducing air under pressure into said orifice.

2,560,485
SYNCHRONIZED MOTOR DRIVE
Thomas C. Sharp, North Hollywood, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application May 19, 1949, Serial No. 94,207
6 Claims. (Cl. 318—78)



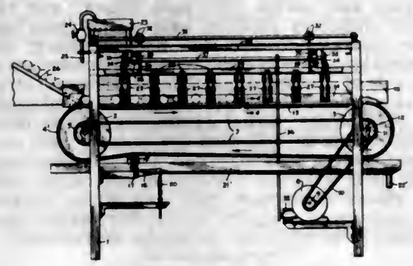
1. In a drive system for synchronously operating a plurality of motors, each provided with a stator and a rotor, an electrical power source, a first distributor motor having a stator and a rotor, a second distributor motor having a stator and a rotor, means for driving the rotors of said distributors at uniform speeds differing from one another, said means including a drive motor mechanically connected to said rotors of said distributors, a first motor to be driven at a certain speed, a second motor to be driven at a second certain speed, means for energizing the stators of said motors, the stator of said first distributor, and said drive motor from said electrical power source, means for electrically interconnecting the rotor of said first distributor motor with the rotor of said first motor and with the stator of said second distributor motor, and means for electrically connecting the rotor of said second distributor motor with the rotor of said second motor.

2,560,486
SPRING FASTENING DEVICE
Stuart T. Shears, Arlington, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application July 20, 1945, Serial No. 606,261
2 Claims. (Cl. 248—68)



1. A fastener for holding spaced elongated articles against a support, said fastener comprising an elongated resilient strip having article-engaging portions at its extremities and two spaced transverse ridges at its midportion, and a tongue projecting from and parallel to said support, said tongue adapted to lie between said ridges and engage said strip and having a raised portion at the free end thereof, the midportion of said strip being biased towards said tongue.

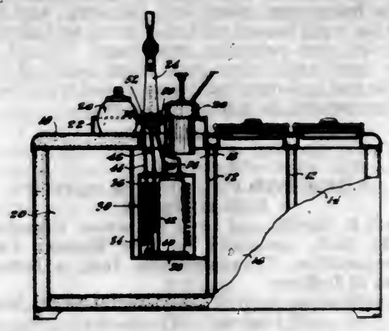
2,560,487
FRUIT COATING APPARATUS
Robert B. Shugart and Justus G. Boettcher, Orlando, Fla.
Application June 17, 1947, Serial No. 755,126
7 Claims. (Cl. 91—18)



1. In assemblages for applying protective coatings and the like to fruit of general rotund shape, wherein a succession of fruit members are subjected to the coating treatment as individuals, an assemblage of such type comprising, in combination, an endless conveyor movable linearly at constant speed and mounted to present a level surface to provide a fruit member travel path on to which the fruit members are successively delivered, power means for such conveyor, said conveyor having its fruit-bearing face formed of sponge-like rubber material yieldable under fruit member weight thereby to advance the members through such path, a coating emulsion station positioned in the entrance zone to such travel path for supplying the coating material to the conveyor and passing fruit members with the emulsion delivery of shower type, and obstacle means positioned above such travel path and depending into such path for moving the fruit members on and relative to such surface, said obstacle means being bodily movable in paths transverse to the direction of advance of the conveyor to thereby vary the axis relationship of fruit members with the surface as the members are advanced through the path and thereby apply an even and continuous but microscopic coating on each member amounting to no more than dampness.

2,560,488
COMBINATION SODA FOUNTAIN AND ICE-CREAM CABINET
Arthur K. Smith, Gloucester, Mass.
Application September 17, 1949, Serial No. 116,267
4 Claims. (Cl. 257—3)

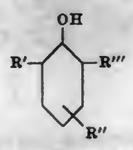
1. A combination ice cream and carbonated water refrigeration cabinet having in combination, insulated walls forming compartments, a single refrigeration mechanism adapted to maintain the cabinet at a temperature substantially below the freezing point of water, metal walls forming a separate container adapted to fit into one of the said compartments, water filling the said container, a conduit having a large surface area conveying feed water for carbonation through the said liquid in the said container, a heating means within the said container, and temperature responsive means controlling the said heating means whereby heat is admitted to the said container to maintain the temperature



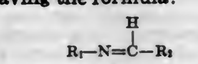
of the said liquid above the freezing point of water.

2,560,489
STABILIZED LEADED GASOLINES
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 3, 1947, Serial No. 752,266
4 Claims. (Cl. 44—69)

1. A leaded gasoline containing stabilizing amounts of (1) at least one phenol having the formula:

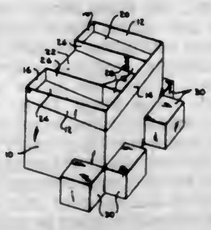


wherein R', R'' and R''' represent alkyl substituents, at least one of R' and R''' having at least 3 carbon atoms; and (2) at least one azomethine compound having the formula:



wherein R_1 and R_2 represent aromatic groups.

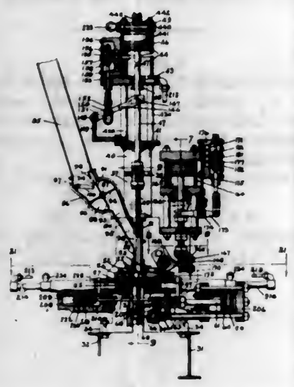
2,560,490
WORK DISTRIBUTING PLATFORM
George T. Smith, Lansing, Mich., assignor to George T. Smith, Inc., Lansing, Mich., a corporation of Michigan
Application March 28, 1949, Serial No. 83,839
3 Claims. (Cl. 312—140.3)



1. A loading platform comprising a pedestal having a slanting top surface, side walls and end walls extending above said top surface, spaced partitions on said slanting top surface and extending transversely between said side

walls forming a plurality of compartments on said slanting top surface, one of said compartments being open along one side wall, and gates forming a portion of said partitions and pivotally mounted for swinging movement toward and away from each other, said gates being of equal length and symmetrically positioned with respect to the opening in said one side wall.

2,560,491
CORK ROD FORMING MACHINE AND METHOD
Robert P. Smith and Fred E. James, Crawfordsville, Ind., assignors to The Hoosier Crown Corporation, Crawfordsville, Ind., a corporation of Indiana
Application April 22, 1948, Serial No. 22,584
18 Claims. (Cl. 18—5)

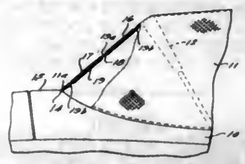


11. A cork rod forming machine comprising in combination a form of predetermined length; means for feeding a measured amount of a mixture of granular cork and binder to the machine into said form a form of predetermined length; means for compressing said amount under uniform pressure throughout said length, said pressure being exerted from a lateral direction in respect to said length; means for compressing said amount throughout said length from a lateral direction substantially ninety degrees from said first direction; means carrying said compressed length into a heated chamber following the operation of both of said compression means, whereby said length will press against the end of a previously compressed length carried into said chamber and be bonded thereto into a continuous rod; and means reducing the temperature of the rod to substantially room temperature; said form comprising a pair of mold strips, one separated laterally from the other, each strip having an opposing channel extending longitudinally thereof; a fixed machine member extending longitudinally between said strips below said channels to serve initially as a lower form closure; said first comprising means including a plunger reciprocable toward and away from said fixed member and substantially the width of the spacing of said strips; and said second compression means comprising mechanism for forcing said strips laterally together in closed relation to encompass said mixture substantially within said channels; said carrying means including a plunger directed toward the ends of said closed mold strips to push them into said chamber; said chamber having a cross-sectional area having a contour dimensioned to receive said closed strips slidingly therethrough whereby the strips are maintained closed as they are carried through the chamber; said chamber having a mold strip discharging end opening; and means for separating the mold strips from the contained mixture; said strip separating means including yieldingly gripping members receiving said strips upon emergence from said opening and directing said strips simultaneously from each side, laterally outwardly from said rod; a conveyer on each side of said stripping means receiving respectively said strips from corresponding sides of said rod; a plate on each side of said fixed member; said conveyers carrying said strips onto said plates; and side pusher members pushing said strips from said plates laterally toward said fixed member; and an elevator plunger reciprocatably mounted on each side of said fixed member to carry said strips one at a time to the upper end of said fixed member; said plates having abutments in the paths of said strips as delivered thereon by said conveyers; each of said conveyers comprising smooth faced belts whereby feeding of said strips onto said plates is stopped upon the strips striking said abutments while the strips therebehind have the said belts slidingly travelling thereunder.

2,560,492
COPOLYMERS OF SUBSTITUTED STYRENES AND POLYOLEFINS
William J. Sparks, Cranford, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 8, 1945, Serial No. 576,894
7 Claims. (Cl. 260—83.7)

1. The process which consists essentially in copolymerizing 5 to 80% by weight of a substituted styrene containing 1 to 2 alkyl substituents of 1 to 2 carbon atoms each, and 20 to 95% by weight of a polyolefin of 4 to 10 carbon atoms, at a temperature of 0° C. to —103° C., in the presence of a Friedel-Crafts catalyst.

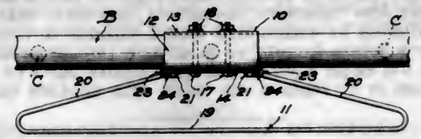
2,560,493
REAR WINDOW FOR CONVERTIBLE BODIES
Frank S. Spring, Grosse Pointe, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application May 7, 1948, Serial No. 25,725
8 Claims. (Cl. 296—145)



1. In a convertible vehicle body, a foldable top having a rear window opening, a window mounted in said opening and comprising a plurality of laminated transparent panels having their adjacent edges separated, said panels having a plastic lamination common thereto and forming a hinge connection between said edges to permit the panels to fold together when the top is folded.

2,560,494
CLOTHES HANGER AND BED TAG FOR HOSPITAL BEDS
Joe L. Tarvin, North Little Rock, Ark.
Application January 31, 1950, Serial No. 141,361
10 Claims. (Cl. 5—318)

1. The combination with a bed end having a top bar and spaced rods depending therefrom, of an inverted U-shaped body to receive said bar and having on at least one side a depending brace with a laterally projecting portion to thrust

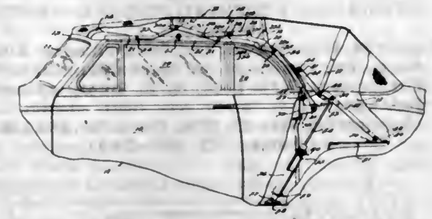


against one of said rods, means fixing said body to said bar, and a clothes hanger fixed to said body and projecting outwardly from the same on its side having said brace.

2,560,495
INTERPOLYMERS OF POLYOLEFINIC 2-ALKENYL OLEFINIC ALCOHOL ESTERS WITH CROTONALDEHYDE
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 30, 1948, Serial No. 68,389
7 Claims. (Cl. 260—73)

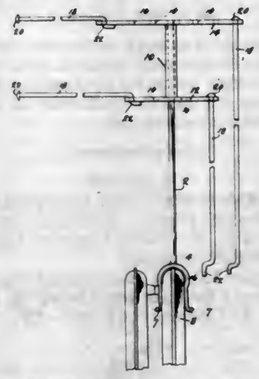
1. An acetone-soluble, heat-convertible, unsaturated mass interpolymer of monomers consisting of (A) a polyolefinic ester of an olefinic alcohol selected from the group consisting of allyl, methallyl and beta-allyloxyethyl alcohols with an acid selected from the group consisting of acrylic, methacrylic, adipic, phthalic, maleic, fumaric and itaconic acids, said acid being fully esterified with said alcohol, (B) from 0.2 to 10 moles of crotonaldehyde per mole of (A), and (C) up to 8.0 moles of a copolymerizable monoolefinic compound selected from the group consisting of styrene, methyl acrylate, diethyl fumarate and vinyl acetate per mole of (A).

2,560,496
FOLDABLE TOP FOR VEHICLE BODIES
Trygve Vigmostad, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 2, 1947, Serial No. 758,582
2 Claims. (Cl. 296—116)



2. A foldable top for a vehicle body comprising a front side rail section, an intermediate side rail section hinged thereto, a rear side rail section hinged at its rear end to the body and having adjacent its forward end a downwardly offset portion to which the intermediate rail section is hinged, a pair of angularly related links pivoted together at a point above the front rail section, one link being pivoted at its forward end to the front rail section and the second link being pivoted at its rear end to the intermediate rail section, said rear rail section having an arm extension spaced outwardly of the hinge connection between the rear and intermediate rail sections, link means connecting said extension and said second link intermediate the ends of the latter, said intermediate rail section having a rearward extension beyond said hinge connection terminating at its end alongside said rear rail section and closely adjacent thereto, and a link pivotally connected to said end of said last named extension alongside the rear rail section and also pivotally connected to the body adjacent the rear end of the rear rail section, the pivotal connection between said last named link and body comprising a fixed bracket on the body and means for adjusting said pivotal connection on said bracket in a vertical direction.

2,560,497
DRIER
Edwin A. Wallin, Bayside, N. Y.
Application June 15, 1946, Serial No. 677,035
1 Claim. (Cl. 211—86)

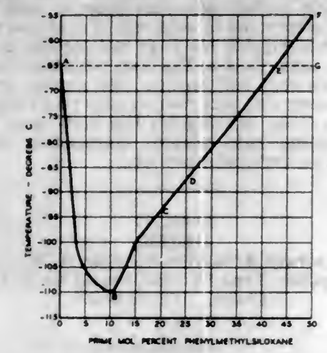


A drying device for mounting upon a radiator coil, said device comprising, in combination, a standard; a spool, removably mounted for rotation upon said standard adjacent the upper end of the standard, said spool comprising a hub and a head at each end of the hub, arms extending through openings in the heads of said spool, the outer end of each arm being provided with a head to suspend the arms from the spool heads in a position substantially parallel to said standard, the inner end of each arm being provided with a portion offset in relation to the arm and so shaped that, when an arm is pulled upwardly relatively to a head of the spool and swung outwardly away from the spool, the offset portion will engage beneath the spool head to support the arm in a horizontal position; and a pair of spring arms attached to the lower end of the standard and adapted to be sprung over the top of a radiator coil so as to grip the same, thereby to sustain the standard and spool upon the radiator in a vertical position.

2,560,498
COPOLYMERIC SILOXANE ELASTOMERS AND METHODS OF PRODUCING THEM
Earl Leathen Warrick, Pittsburgh, Pa., assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y., a corporation of New York
Application August 17, 1948, Serial No. 44,734
6 Claims. (Cl. 260—46.5)

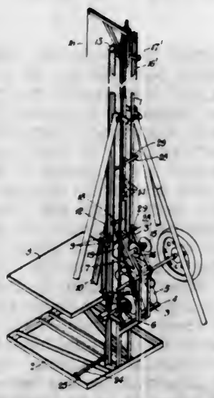
1. The process of preparing new synthetic materials from a copolymer composed principally of dimethylsiloxane units, the remainder being siloxane units containing one alkyl radical of less than three carbon atoms attached to each silicon

atom and one monocyclic aryl hydrocarbon radical attached to each silicon atom, which process comprises compounding the copolymeric siloxane with from 2 to 10 per cent based on the weight of



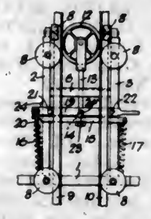
the siloxane of an acyl peroxide containing at least one aromatic acyl radical, and vulcanizing the compounded material by heating it at a temperature and for a time sufficient to form a coherent non-tacky elastomer.

2,560,499
CABLE TENSIONING MEANS FOR HOISTS
Reginald Frank Warry, Twickenham, England, assignor to R. F. Warry Limited, London, England, a British company
Application July 16, 1949, Serial No. 105,117
In Great Britain September 29, 1947
11 Claims. (Cl. 187—20)



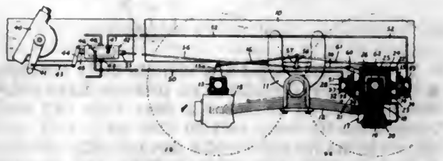
11. In combination a hoist tower with a platform adapted to be drawn up and lowered down the tower, manually remotely controlled power driven cable winding means to elevate the platform along the tower and to which means and the platform a cable is connected, guiding means at the top of the hoist tower by which the cable is guided up from the platform and down to the power driven winding means, means adapted in the event of the remote control means not being controlled so as to arrest unwinding of the winding means immediately the platform reaches its lower terminus, to take up the surplus length of cable as it is unwound from the winding means due to the winding means over-running the stopping of the platform at its lower terminus, and to maintain the whole of the cable unwound from the winding means under tension, and means provided to enable a reserves of cable length to be available for feeding into the "effective" length of cable when it is desired to increase the height of the hoist, and to "take-in" surplus cable when it is desired to shorten the height of the hoist, so that the "effective" length of the cable may be adjusted to within fine limits without having to form joints therein or to disturb the connections of the cable ends to the appropriate parts of the hoist or to replace one cable with another cable.

2,560,500
SAFETY DEVICE FOR HOIST PLATFORMS
Reginald Frank Warry, Twickenham, England, assignor to R. F. Warry Limited, London, England, a British company
Application July 16, 1949, Serial No. 105,118
In Great Britain January 24, 1948
6 Claims. (Cl. 187—86)



6. A safety device to arrest descent of a hoist platform down guideways of the hoist consequent upon the shearing or coming adrift of a cable of the hoist by which the platform is connected to means for pulling it up and lowering it down the platform, comprising a locking bar with two relatively fixed abutments and carried relatively tiltably by the platform and spanning the guideways, spring means receiving the lifting tension of the cable and normally maintaining the locking bar in such position that its abutments are located close to but spaced from the guideways, and adapted consequent upon the tension of the cable being released therefrom to assert itself to tilt the locking bar so as to bite its said abutments against the guideways and arrest the descent of the platform.

2,560,501
HYDRAULIC STEERING FOR SIX-WHEEL BOGIES
Robert M. Webster, Jr., and John Thomas, Allentown, Pa., assignors to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application May 25, 1950, Serial No. 164,152
8 Claims. (Cl. 180—79.4)



1. A steering system for six wheel vehicle having an axle provided with dirigible wheels controlled by a steering mechanism and a pair of rear axles mounted by a spring suspension on the frame of the vehicle, comprising means connecting one end of one of said axles to said spring suspension for pivoting movement about an axis substantially perpendicular to the vehicle frame, means connecting the other end of said one axle to the spring suspension for movement lengthwise of said frame, power means for moving said other end of said axle lengthwise of said frame, and means responsive to said steering mechanism for actuating said power means to move said axle about said axis to steer the wheels thereon.

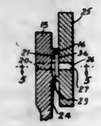
2,560,502
METALLIFEROUS MONOAZO DYESTUFFS
Heinrich H. Bestehorn, Glen Rock, and Wilhelm Schmidt-Nickels, Little York, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 22, 1948, Serial No. 56,048
4 Claims. (Cl. 260—146)

1. Water-soluble metallized monazo dyestuffs containing in complex combination a complex-forming metal having an atomic weight of from 52 to 64, corresponding to a monazo dyestuff having the formula:

A—N=N—B

wherein A is the radical of a naphthioindoxyl attached to the azo group in the 2-position, and —N=N—B is the radical of a diazotized mononuclear ortho-aminophenol containing a nuclear substituent of the class consisting of a sulfonate and a sulfonamide group.

2,560,503
MOLD FOR TYPE CASTING MACHINES
John Joseph Christman, Trenton, and Frederick David Klapproth, Pennsauken, N. J., assignors to Penniand Printing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 2, 1948, Serial No. 63,002
3 Claims. (Cl. 199—55)

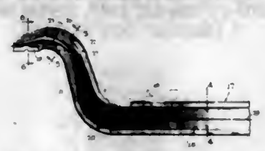


1. In a mold for a type casting machine having a type cavity and wherein the back face of the mold is arranged to be locked to a mouthpiece associated with a metal pot and having openings for delivery of the metal to the cavity, and air vents disposed between such openings, such back face having undercut recesses therein which are aligned generally with the air vents and which communicate with the mold cavity, the type metal being adapted to flow into and remain in such recesses and form a bond with metal cast in the vents to withdraw such cast metal upon departure of the mold from the mouthpiece.

2,560,504
DEMINERALIZATION OF SUCROSE SOLUTIONS BY ION EXCHANGE
Harold M. Day, Cos Cob, and Arthur C. Wrotnowski, Jr., Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 7, 1947, Serial No. 767,334
11 Claims. (Cl. 127—46)

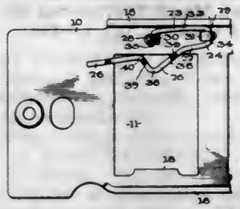
1. A process which comprises bringing an aqueous solution containing sugar into contact with a pair of cation and anion exchangers in that order, said cation exchanger having previously been substantially completely activated with ammonium ions and said anion exchanger being hydroxyl activated, and separating the solution from said exchangers.

2,560,505
EQUALIZER BEAM FOR RAILWAY TRUCKS
Albert G. Dean, Narberth, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 24, 1946, Serial No. 664,649
5 Claims. (Cl. 105—194)



1. An equalizer beam of the type having a main body portion extending horizontally and merging at its ends through first curved portions into upwardly extending inclined portions which in turn merge through second reversely curved portions into generally horizontally extending end portions designed to rest upon the journal boxes carried by the adjacent ends of spaced axles of a railway truck, characterized by the fact that the main body portion and the first curved portions are of I-cross-section, said I-cross-section merging gradually through at least portions of said upwardly extending portions and the second reversely curved portions into reversely curved portions and end portions throughout of generally trapezoidal cross-section materially heavier at the bottom than at the top, thereby increasing the radius of the curvature of the neutral axis of the beam in this heavily stressed reversely curved region substantially over the curvature of the beam as a whole whereby the beam is more uniformly stressed throughout this reversely curved end portion thereof.

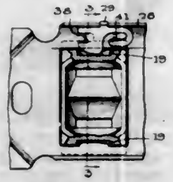
2,560,506
MOUNTING STRAP FOR INTERCHANGEABLE WIRING DEVICES
Victor R. Despard, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y., a corporation of New York
Application June 18, 1948, Serial No. 33,755
12 Claims. (Cl. 174—53)



1. In an electric wiring apparatus, in combination, a bridge plate for mounting over an outlet box and having an opening with opposite straight walls, a wiring device adapted for support by said plate and having a shoulder to fit against the plate back adjacent said walls, a neck protruding from said shoulder to extend through said opening and having only tolerance clearance from said walls, a recess in each neck side adjacent said walls and extending along the neck from the shoulder a distance not substantially greater than the thickness of said plate,

one of said walls having a permanent lug thereon for extension into one of said recesses, and a spring element secured to said plate and having a bight biased over and beyond said other wall to engage in the opposite recess.

2,560,507
MOUNTING STRAP FOR INTERCHANGEABLE WIRING DEVICES
Victor R. Despard, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Solvay Station, Syracuse, N. Y., a corporation of New York
Application June 18, 1948, Serial No. 33,756
6 Claims. (Cl. 174—53)



1. In an electric wiring apparatus, in combination, a bridge plate for mounting over an outlet box and having an opening with a pair of opposite walls; a wiring device for support by said plate and having a shoulder to engage the plate back, a neck protruding from said shoulder to extend through said opening with only tolerance clearance from said walls and a recess in each neck side adjacent said walls and extending outwardly along the neck from the shoulder a distance not substantially greater than the thickness of said plate; one of said walls having a permanent lug thereon for extension into one of said recesses, a flange inclined upwardly from the opposite wall of the opening and directed away from the shoulder engaging portion of the plate, and a locking lever of sheet metal pivotally secured to the said flange adjacent said opening and having a camming projection movable over and beyond the opening wall into the other neck recess.

2,560,508
HAT MANUFACTURE
Edward H. Eakland, Sherman Oaks, Calif., assignor to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application May 5, 1947, Serial No. 746,056
5 Claims. (Cl. 2—194)

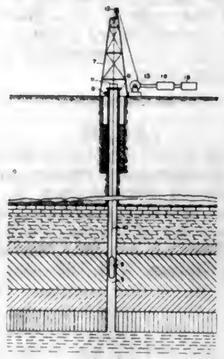


1. A fur felt hat having a felt crown and a flexible felt brim therearound, a contrasting integral felt band extending around the crown adjacent the brim and an integral contrasting felt edge extending around the brim and overlying the upper and lower faces of the brim adjacent the edge.

2,560,509
NUT BUTTERS
Benjamin R. Harris and Morris H. Joffe, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 21, 1944, Serial No. 569,259
6 Claims. (Cl. 99—128)

1. A method of preparing nut butters of improved character which comprises thoroughly admixing with a nut butter a minor proportion of a higher molecular weight fatty acid partial ester of a polyglycerol, maintaining the mixture at a temperature not substantially below 50 degrees C., and then allowing the mixture to cool to room temperature.

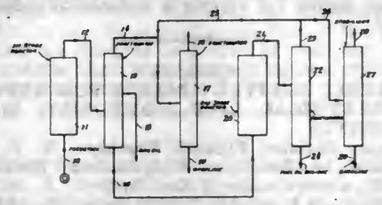
2,560,510
METHOD OF DETERMINING PATH, RATE OF FLOW, ETC., IN SUBSURFACE STRATA
Howard H. Hinson, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application October 23, 1948, Serial No. 56,114
3 Claims. (Cl. 250—83.6)



1. The method for determining the fluid conductance of subsurface strata vertically and laterally, comprising the use of at least two wells and the steps of making a natural radioactivity log of the formation in situ in each well; injecting sequentially different radioactive fluids down and out of one of such wells into such subsurface strata as will receive such fluids, making separate radioactivity loggings of each well after each injection.

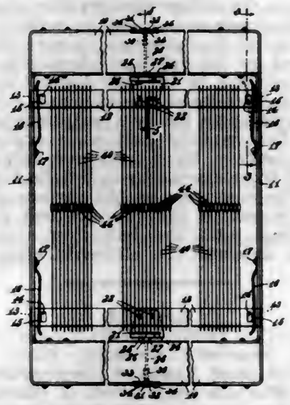
2,560,511
CATALYTIC CRACKING OF HEAVY HYDROCARBONS IN TWO STAGES
Gwilym Islwyn Jenkins, Sunbury-on-Thames, England, assignor to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation
Application July 29, 1948, Serial No. 41,268
In Great Britain August 9, 1947
6 Claims. (Cl. 196—49)

1. A two-stage process for the catalytic cracking of a hydrocarbon feedstock boiling above the gas oil range, comprising passing the feedstock to a reactor wherein it is cracked at a relatively high space velocity resulting in approximately 40–45% feedstock destruction, passing the reaction products from the reactor to a fractionator where gasoline having an octane number about 77 and lower hydrocarbons are separated as overhead, a gas oil having a Diesel index of approximately 20 as a side stream and a residue boiling above the gas oil range as bottoms, removing the gas oil from the system, passing the overhead product to a second fractionator where the gas is separated overhead and the stabilized gasoline as a bottoms product, passing the residue boiling above the gas oil range to a second reactor where it is cracked at a relatively low space velocity resulting in approximately 75–80% feed-



stock destruction, and passing the reaction products from the second reactor to a third fractionator where gasoline having an octane number about 81 and lighter hydrocarbons are separated as overhead, and a bottoms product is withdrawn consisting of residual material containing cracked gas oil having a Diesel index about 7 produced in the second reactor and constituting a source of fuel oil.

2,560,512
LOOM HARNESS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 17, 1947, Serial No. 741,972
5 Claims. (Cl. 139—92)



1. In loom harness including a heddle frame having top and bottom rails, end struts connecting the ends of said top and bottom rails, heddle supporting rods comprising thin flat metallic strips removably mounted in the frame, heddles mounted on said rods, and means for supporting said rods intermediate the ends thereof, the means for securing said heddle supporting rods in the frame comprising the provision of apertures in the heddle supporting rods near each end thereof, said apertures each having a wide portion and a narrow portion, spring tongues mounted on the inside faces of the end struts, said spring tongues each having a recess adapted to receive and support an end portion of a heddle supporting rod and a member disposed in said recess a portion of which is adapted to pass through the wide portion of the aperture at the end of the heddle rod and a portion of which is adapted to be seated in the narrow portion of said aperture thereby to lock the heddle supporting rod in the frame.

2,560,513
SUPPORT FOR SLEEPING CAR BERTH OR THE LIKE
John C. Lyon, Upper Darby, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 12, 1946, Serial No. 689,915
9 Claims. (Cl. 5—9)



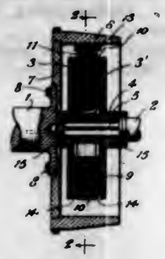
9. In a sleeping car or the like, a fixed member, a movable member movable between a stowed position and a use position, and a strut adapted to resist both compression and tension loads and arranged to extend between said fixed member and said movable member to secure the latter in one of said positions, said strut having a hinged connection between one end thereof and one of said members, and having means connecting its opposite end portion rotatably with respect to the hinged end portion, said opposite end portion having means to interlock, upon such rotary movement thereof with respect to the hinged end, with the other of said members, and readily releasable means for positively locking said opposite end portion against rotary movement when in the interlocking engagement with said member.

2,560,514
PROCESS OF PRODUCING FUR FELT STRIPS
George M. Rickus, Norwalk, Conn., assignor to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
No Drawing. Application June 20, 1945, Serial No. 600,651
7 Claims. (Cl. 28—72.3)

1. In the method of producing felt in yardage having the compactness, feel and appearance of fine fur felt, the steps of preparing and moistening a blend consisting of fur fibers and an artificial feltable fiber of the group consisting of center-seeking cotton, casein and soybean fibers, and mixtures thereof; straightening the fibers of the blend into a thin web by a modified carding action and building up an elongate bat from a plurality of thin webs on a support while maintaining the blend in a humid condition; removing the elongate bat from the support; feeding the bat through a hardening machine of the type used in the usual wool felt process to compact

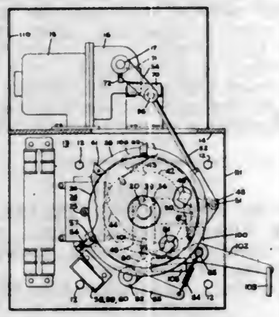
and harden the same by vibrating pressure; and fulling the compacted and hardened strip into a fabric.

2,560,515
CENTRIFUGAL CLUTCH
Albert D. Pents, Staten Island, N. Y.
Application May 3, 1945, Serial No. 591,811
3 Claims. (Cl. 192—105)



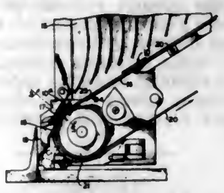
1. A coupling between a driving shaft and a driven shaft, including a pair of plates fixed on said driven shaft for rotation therewith, a disc of resilient material intermediate said plates having a resiliently flexible connection with said driving shaft for rotation as a unit therewith and laterally engageable by said plates in response to centrifugal forces generated by the rotation of said driving shaft, said resiliently flexible connection comprising a drum rotatable as a unit with the driving shaft and extensions of said disc in operative contact with said drum.

2,560,516
TIMING APPARATUS
Theodore G. Mueller, Buffalo, N. Y., assignor to J. E. Martin Equipment Corporation, Buffalo, N. Y.
Application May 7, 1948, Serial No. 25,617
11 Claims. (Cl. 161—1)



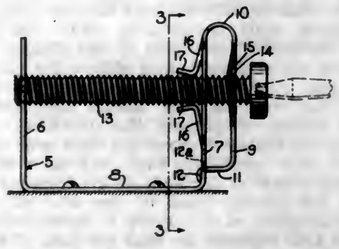
1. Timing apparatus comprising a supporting shaft, an index plate fixed for rotation therewith, timing means rotatable relative to said shaft and having a plurality of circumferentially spaced elements, switch means operable by said elements and motor means operable to move said index plate a predetermined angular distance through operation of said switch means, said spaced elements being circumferentially adjustable independently of each other and being adapted to act upon said switch means successively to register the termination of successive time periods of independently adjusted duration, clock means having yieldable driving engagement with said timing means to advance the same substantially continuously at a constant rate through a preselected portion of the angular distance of the next succeeding indexing operation as determined by the adjustment of one of the spaced elements of the timing means, and lost motion drive means between said shaft and said timing means whereby the latter is moved through the remainder of such angular distance during the succeeding indexing operation to condition the timing means for timing a succeeding time interval.

2,560,517
MATRIX DELIVERY MEANS FOR TYPOGRAPHICAL LINE COMPOSING MACHINES
Herman Richard Freund, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 63,326
6 Claims. (Cl. 95—4.5)



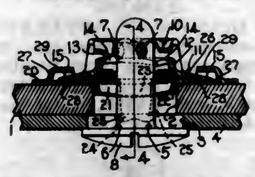
1. In a typographical machine having a line composing station, the combination of an endless flexible conveyor belt normally presenting a flat surface for supporting thereon elements having a photographable type character disposed about centrally of a surface thereof which lies recumbent and static against the flat surface of said belt as the latter conveys the elements toward the line composing station, deflecting means in the path of the elements toward the end of their travel on the belt and adapted to rock the elements relative to the belt toward an upright position as they leave the belt, and a belt driving pulley having a concave periphery adapted to flex the flat running belt to a corresponding laterally concave form in timed relation with rocking of the elements by said deflecting means, whereby the character on the surface of the elements adjacent to the running belt is isolated from contact with the belt over such portion thereof as supports the elements while rocking.

2,560,518
FRICTION NUT
Robert R. Amesbury, Wellesley, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 5, 1947, Serial No. 732,547
3 Claims. (Cl. 85—36)



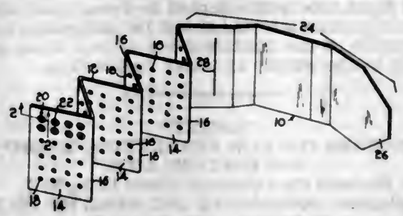
1. Sheet metal friction nut comprising a substantially U-shaped structure having one of its legs provided with an apertured screw engaging portion adapted for threaded engagement with a screw, the other leg of said structure being provided with cooperating yieldable screw-retaining elements integral with said second-mentioned leg and having bent portions on their adjacent extremities forming lips positioned to press against the section of a screw at a distance from the screw engaging portion, and means for maintaining desired spacing between the legs of said U-shaped structure including an inturned end portion on one leg engaging one face of the other leg and an integral extension of said end portion passing through said other leg and engaging the opposite face thereof.

2,560,519
SHIFTABLE ROTARY STUD FASTENER
William A. Bedford, Jr., North Scituate, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 1, 1947, Serial No. 777,241
7 Claims. (Cl. 24—221)



1. A fastener assembly comprising a fastener member having a base portion provided with a stud-receiving aperture, radial extensions on said base portion, means for securing said fastener to a support comprising a plate member having an aperture substantially in alignment with said stud-receiving aperture of said base portion, portions adjacent said aperture providing a support for said base portion and said radial extensions, longitudinally spaced outwardly cupped pockets on said plate presenting facing openings for slidably receiving said fastener radial extensions and transversely aligned integral means disposed on said plate intermediate said pockets for attaching said fastener assembly to an apertured support, said attaching means having cam-shaped terminal ends and outwardly extending shoulders adjacent said ends adapted for snap fastener engagement with an opposite face of an apertured support.

2,560,520
PACKAGING FOLDER FOR SNAP FASTENERS
Maurice J. Berkson, Highland Park, Ill., assignor to Columbia Fastener Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1949, Serial No. 70,629
1 Claim. (Cl. 218—28)



A holder for snap fasteners comprising an elongated strip of sheet material having snap fastener holder sections formed by transverse folds in the strip and adapted to be folded together in alternate directions when the holder is folded to closed position, said sections having identical groups of openings therein for receiving the studs of separable snap fastener devices which may be mounted thereon with the studs extending therethrough and with the complementary parts of said devices disposed on opposite faces thereof, the openings in adjacent pairs of groups being offset lengthwise of their sections with respect to each other to permit said studs to be nested in substantial alignment when the snap fastener holder sections are folded together, a closing portion no wider than the remaining length of the strip extending from one end of the strip and having a length sufficient to extend around said snap fastener holder sections in their folded positions, and means for securing the end of said closing portion to an intermediate portion thereof to retain the sections in folded relationship.

2,560,521
PROCESS OF PRODUCING WATER-REPELLENT GYPSUM SHEATHING BOARD
Thomas P. Camp, Arlington Heights, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 10, 1946, Serial No. 668,785
3 Claims. (Cl. 154—86)

3. Process of producing water-repellent gypsum sheathing board which comprises impregnating heavy paper with melted petrolatum in an amount of from about 5 to 10 pounds per 1000 square feet thereof, thereby rendering it water-repellent but not vapor resistant; thereafter placing a slurry of calcined gypsum containing water-proofing agents disposed therein between two layers of said thus treated paper; and drying the resulting laminated structure.

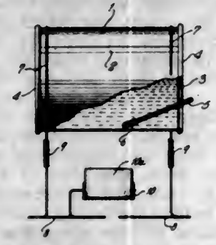
2,560,522
1-BENZHYDRYL-3-ACYLUREAS AND PROCESS FOR PRODUCING SAME
Robert Duschinsky, Essex Fells, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 12, 1949, Serial No. 104,394
9 Claims. (Cl. 260—553)

1. A 1-benzhydryl-3-acylurea of the group consisting of 1-benzhydryl-3-formylurea, 1-benzhydryl-3-acetylurea, 1-benzhydryl - 3 - propionylurea, 1-benzhydryl-3-butyrylurea, 1-benzhydryl-3-chloracetylurea and 1-benzhydryl-3-benzoylurea.

2,560,523
THERMALLY ACTUATED SPRAYER
John T. Efford, Stratford, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application January 31, 1950, Serial No. 141,530
1 Claim. (Cl. 222—54)

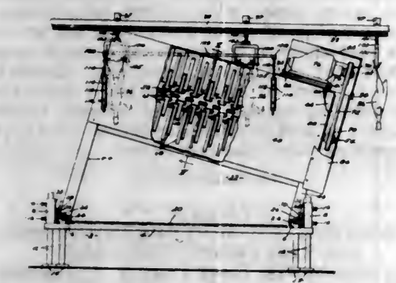
A spray package including a can having a cylindrical body wall and flat end walls, said body wall having a longitudinally extending seam sealed with solder, a substantially straight metal tube passed diagonally through one of said end walls at a location spaced from said wall's periphery and having an inlet end inside of said can at a location adjacent to the inside of said body wall approximately centrally respecting its length and spaced from said seam and having

an outlet end on the outside of said can, a thermally destructible seal on said inlet end and closing it until heated, a normally liquid spray material inside of and fluid tightly enclosed by said can and adapted to vaporize when heated, and



a stand connected with said can and adapted to support it horizontally with the portion of said body adjacent said inlet end and said seal downwardly and with said stand having a fuel piece support positioned below said portion.

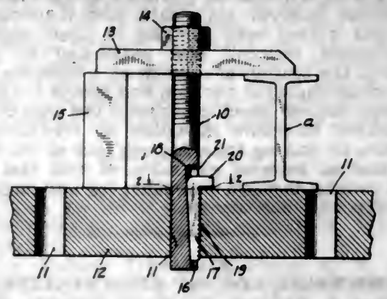
2,560,524
POULTRY PICKING MACHINE
Gordon W. Johnson, Raytown, Mo., assignor to Gordon Johnson Company, Kansas City, Mo., a corporation of Missouri
Application June 17, 1946, Serial No. 677,130
6 Claims. (Cl. 17—11.1)



1. A poultry picking machine comprising a vertically adjustable base, two upright frames carried by said base, a drum carried by each of said frames and adapted to rotate, means for rotating said drums in opposite directions, a plurality of resilient picking fingers carried pivotally on the peripheries of said drums, a suitable conveyor system for passing the fowls to be picked between said picking drums, and means including guides carried rigidly by said frames and cooperating with the fowl supporting means to oscillate each of said fowls about a vertical axis.

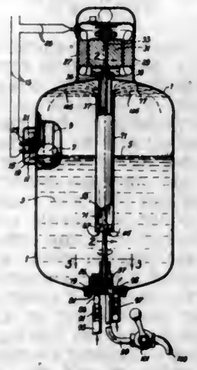
2,560,525
ANCHOR STUD
John R. Nyl, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 28, 1946, Serial No. 700,007
1 Claim. (Cl. 287—20)

An anchor stud for work clamps and the like, said stud having an end for entry into a support, and having a longitudinal slot of limited length formed in said end, a wedge seated in said slot, said slot and wedge having opposed inclined faces coacting to securely lock said stud and wedge in said support in response to lengthwise movement of said stud in one direction and to release the same upon lengthwise movement of said stud in an opposite direction, and a laterally projecting driving lug on said wedge coacting



with said support and with the inner end of said slot to limit lengthwise movement of said stud in the direction last named.

2,560,526
GAS DISSOLVING APPARATUS
Parke H. Thompson, Kirkwood, Mo., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application March 2, 1946, Serial No. 651,646
4 Claims. (Cl. 261—26)

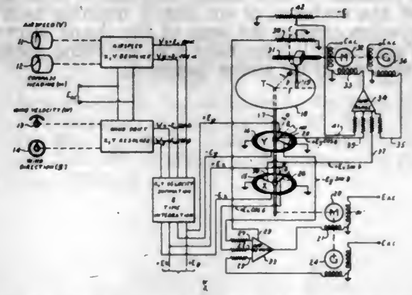


1. A carbonator comprising an upright cylindric pressure tank carrying a liquid supply having a free surface, a fixed tube extending into the tank from its upper ends, a motor outside of the tank above said tube, said motor having a rotor, a shaft extending from said rotor into the tank through said fixed tube, a pump driven by said shaft adapted to induct water into the tank when the shaft is rotating, a spinner tube attached to said shaft and partially surrounding said fixed tube, said spinner tube having a lower inlet and an outlet around said fixed tube, and an impeller joining said spinner tube with the shaft below said fixed tube and adapted to force water from said inlet through said outlet for projection upon the walls of the container for return along said walls to the supply of water in the tank.

2,560,527
APPARATUS FOR SIMULATING RADIO NAVIGATION AIDS
Richard Carl Dehmel, Short Hills, N. J.
Application November 12, 1947, Serial No. 785,225
21 Claims. (Cl. 35—10.2)

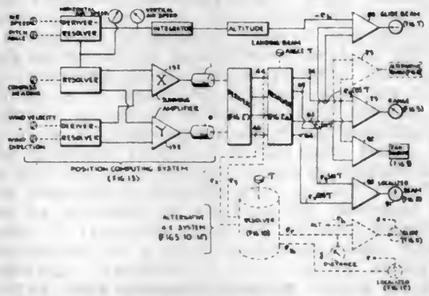
19. Training apparatus for simulating radio navigation between two points defining a course

offset with respect to a radio range reference station comprising means for deriving control quantities representing the coordinates of instant position of a simulated flight, means initially adjustable according to the relative position of said station with respect to the destination point for obtaining control quantities representing the position coordinates of said destination point, computing means initially adjustable according to the desired flight course bearing



from an origin point to said destination point and jointly responsive to said instant position and destination coordinate control quantities for obtaining a resultant control quantity representing deviation from said flight course, and indicating means controlled by and in accordance with said last-named resultant control quantity for indicating the extent of deviation from said course.

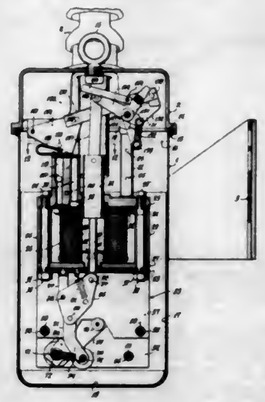
2,560,528
TRAINING MEANS FOR BLIND NAVIGATING SYSTEMS
Richard C. Dehmel, Short Hills, N. J.
Application March 27, 1945, Serial No. 585,102
30 Claims. (Cl. 35—10.2)



22. In training apparatus for simulating the flight of an aircraft with respect to an objective located with respect to a reference coordinate system having three Cartesian coordinate reference axes for defining the instant position of said aircraft with respect to said objective, means operable according to the simulated flight position for producing three voltages each varying respectively in accordance with the instant position of said aircraft with respect to a corresponding axis, resolving means energized by two of said voltages and adjustable according to the desired azimuthal angle of approach to said objective, and means jointly responsive to said resolving means and the third voltage for indicating the position of said aircraft with respect to said objective.

27. Flight training apparatus for simulating blind landing maneuvers with respect to an objective having a radio direction beam, said objective being located in a reference system defined by a pair of Cartesian coordinate axes, comprising voltage deriving and resolving means for producing velocity voltages representing ground speed of the simulated flight along said reference axes respectively according to simulated air speed and wind drift, integrating means energized respectively by said velocity voltages, voltage deriving means controlled by said integrating means for producing coordinate position voltages for representing the instant flight position in said reference system, voltage resolving means energized by said position voltages and adjustable according to the direction of said radio beam, and indicating means responsive to voltage output of said resolving means for representing the flight position with respect to said direction beam.

2,560,529
AUTOMATIC RECLOSING CIRCUIT BREAKER
Anthony Van Ryan, South Milwaukee, and Carl Schindler, Wauwatosa, Wis., assignors to McGraw Electric Company, a corporation of Delaware
Application March 23, 1944, Serial No. 527,724
13 Claims. (Cl. 200—89)



3. An automatic reclosing circuit breaker comprising switch means, normally quick acting switch operating means responsive to overload for operating said switch means, means for automatically altering the action of said switch operating means to cause a slower response of said switch operating means to overload after at least one quick operation, lock-out means for locking said circuit breaker in open position after a predetermined total number of operations occurring in quick succession, and means for varying the total number of operations at which said lock-out means will lock said circuit breaker in open position.

2,560,530
SHEET METAL SNAP FASTENER
Hugh T. Burdick, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application September 25, 1947, Serial No. 776,107
2 Claims. (Cl. 85—5)

1. A sheet metal fastener including a tubular shank formed of a pair of oppositely concaved elongated sheet metal shank sections joined at their entering ends by an imperforate nose portion and adapted to abut along their comple-

mentary longitudinal margins, a head portion extending laterally from said shank at the oppo-

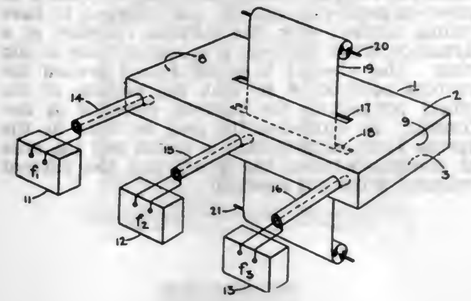


site end thereof for engaging one side of a work structure, resilient latching members formed integral with and extending from said connecting nose portion toward said head and normally projecting beyond the periphery of the tubular shank for engaging the side of a work structure oppositely disposed from the fastener head but capable of being flexed inwardly when telescopically associated with a work aperture, and a portion of the periphery of said tubular shank inwardly indented a sufficient amount to permit a complementary latching member to be forced into alignment with the shank periphery during the passage of said shank through a work aperture, the material of the shank defining said indentation closing the area of the shank underlying said latching member and including portions of said abutting shank margins.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

784,619. **METHOD AND APPARATUS FOR HEATING BY HIGH FREQUENCY ELECTROMAGNETIC FIELDS.** Richard B. Nelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York. Filed Nov. 7, 1947. Published July 10, 1951. Class 219—47. 2 sheets of drawings. 14 pages of specification.



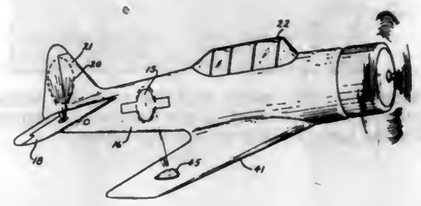
The disclosure relates to methods and apparatus for improving the uniformity of heating by high frequency electromagnetic fields within a cavity resonator. The cavity resonator is excited in a plurality of standing wave or field patterns each corresponding to a different mode or different frequency of oscillation whereby non-uniformity is minimized by the fact that low field strengths at points within the field pattern of one mode or frequency are compensated by higher field strengths produced at the same points by the field patterns of other modes or frequencies. This plurality of standing wave or field patterns may be produced by exciting the resonator by means of (1) a plurality of oscillators of different frequencies, (2) a single oscillator which varies uniformly or randomly in frequency, (3) an oscillator of fixed frequency together with a moving reactive member within the resonator acting as a "mode mixer," or (4) an oscillator of fixed frequency together with means for varying resonator tuning by mechanically varying the critical dimensions of the resonator.

88,472. **AIRCRAFT LIGHTING SYSTEM FOR IDENTIFICATION.** Jesse Orlansky, New York, N. Y., and John A. Bromer, South Orange, N. J. Filed Apr. 19, 1949. Published July 10, 1951. Class 240—7.7. 2 sheets of drawings. 11 pages of specification.

(Filed under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The present disclosure pertains to the art of aircraft, and it comprises a lighting system to facilitate identification of aircraft.

The device of the disclosure comprises one or more spots of light located at predetermined positions on the exterior surface of the aircraft in a predetermined pattern, the location and pattern of the spots of light constituting identification of the aircraft. The device is particularly useful for night flying in formation. It enables aircraft to be flown with greater precision, and group flying in closer formation.



A light projector is provided as a light source for each spot of light, and is adjustable to control the intensity of light and the area of the spot.

Each projector is positioned inside the skin of the aircraft preferably within the space of its surface contour, and is oriented to direct the light beam to the desired position where the spot is desired to appear. A suitably located translucent panel or window is positioned between the projector and the spot in the path of the light beam, and is contoured smoothly continuously with the exterior surface of the aircraft to constitute a corresponding area thereof.

In the specific embodiment, a spot of light **15** is positioned on each of opposite sides of the fuselage **16**, e. g., to shine on the standard insignia, and the projector therefor is positioned at **45** inside the skin of the corresponding wing. A second spot of light **20** is located on each side surface of the vertical stabilizer **21**, and the projector therefor is located inside the skin of the corresponding horizontal stabilizer **18**. A third spot is located on the bottom surface of each horizontal stabilizer **18**, and its projector is housed in the tail section of the fuselage.

136,385. **LOW RESISTANCE CONTACT MEMBER OR MATERIAL.** Edward R. Coutant, Stratford, Conn., assignor to General Electric Company, a corporation of New York. Filed Dec. 31, 1949. Published July 10, 1951. Class 200—166. 1 sheet of drawings. 5 pages of specification.

An improved electrical contact wherein a base metal is prevented from diffusing into the precious metal used as a contact surface. The diffu-

sion is prevented by introducing a protective coating layer of another metal, preferably nickel,

Fig. 1

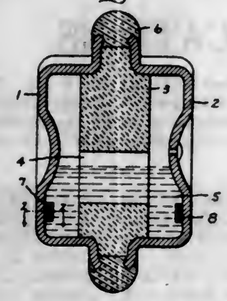
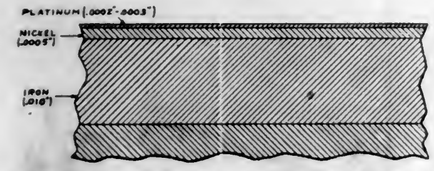
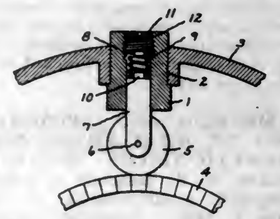


Fig. 2



between the base metal and the precious surface coating. This contact is particularly adaptable in the mercury switch shown in Figure 1.

175,977. **CONTACT BRUSH.** John M. Rhoades, N. Syracuse, N. Y., assignor to General Electric Company, a corporation of New York. Filed July 26, 1950. Published July 10, 1951. Class 171—323. 1 sheet of drawing. 6 pages of specification.

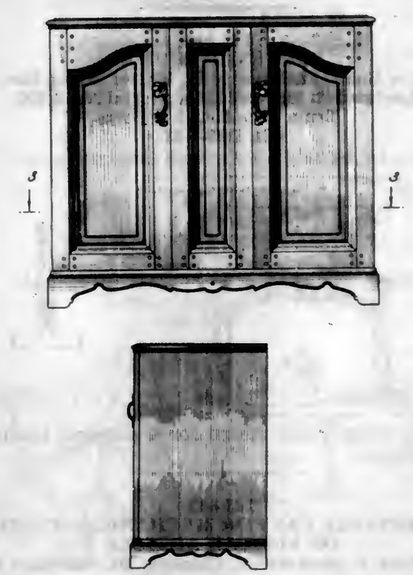


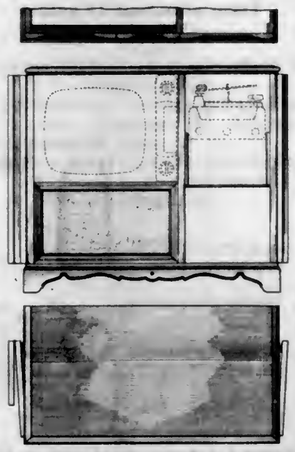
Discloses a contact brush in the form of a rotatable wheel **5** made of a conductive resilient material, such as carbon-impregnated rubber or silver-impregnated plastic, and adapted to have rolling contact with the current collector of a dynamoelectric machine, i. e., commutator or slip ring. The wheel **5** is spring biased toward the current collector **4** so that the portion of the wheel contacting the current collector is deformed. By adjusting the bias provided by the spring **9**, the deformation is varied and the area of contact between the wheel and the current collector is thereby changed.

DESIGNS

JULY 10, 1951

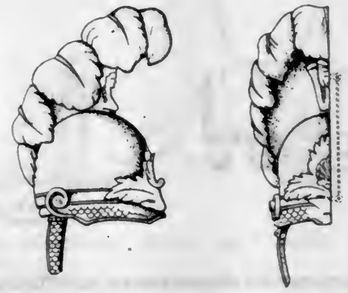
163,838
COMBINATION TELEVISION AND RADIO-PHONOGRAPH CABINET
Samuel E. Adler, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application January 6, 1951, Serial No. 13,695
Term of patent 14 years
(Cl. D56—4)





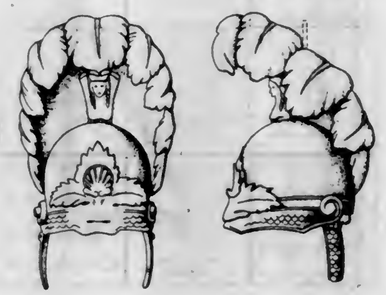
The ornamental design for a combination television and radio-phonograph cabinet, as shown and described.

163,839
PIN-CLIP OR THE LIKE
Vasili Adlerberg, New York, N. Y., assignor to Sherneth Corporation, New York, N. Y., a corporation of New York
Application January 14, 1950, Serial No. 7,238
Term of patent 14 years
(Cl. D45—19)



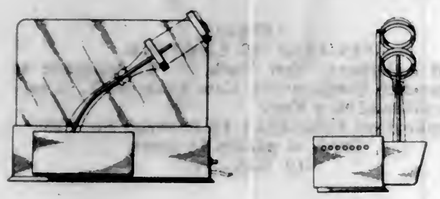
The ornamental design for a pin-clip or the like, substantially as shown and described.

163,840
PENDANT OR THE LIKE
Vasili Adlerberg, New York, N. Y., assignor to Sherneth Corporation, New York, N. Y., a corporation of New York
Application January 14, 1950, Serial No. 7,240
Term of patent 14 years
(Cl. D45—17)



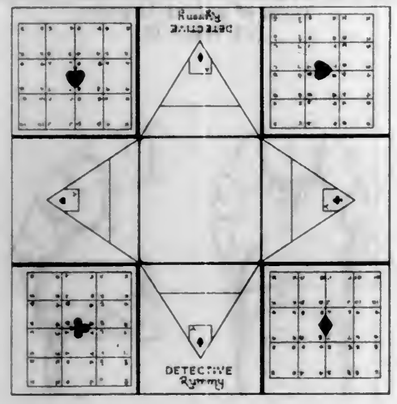
The ornamental design for a pendant or the like, substantially as shown and described.

163,841
ADVERTISING DISPLAY
Jack Andriessen, Los Angeles, Calif.
Application August 21, 1950, Serial No. 11,864
Term of patent 7 years
(Cl. D1—2)



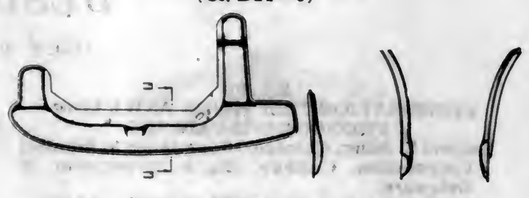
The ornamental design for an advertising display, substantially as shown and described.

163,842
GAME BOARD
Kean C. Angelus, Washington, D. C.
Application January 12, 1949, Serial No. 205
Term of patent 7 years
(Cl. D34—5)



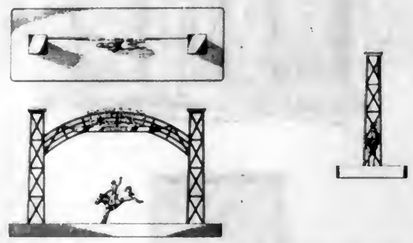
The ornamental design for a game board, as shown and described.

163,843
GASOLINE DOOR GUARD
Budd Barr, Detroit, Mich.
Application May 26, 1950, Serial No. 10,203
Term of patent 7 years
(Cl. D14—6)



The ornamental design for a gasoline door guard, substantially as shown.

163,844
SOUVENIR PLAQUE
Steve Bazur and George W. Kaiser, Reno, Nev.
Application March 3, 1950, Serial No. 8,292
Term of patent 3½ years
(Cl. D29—23)



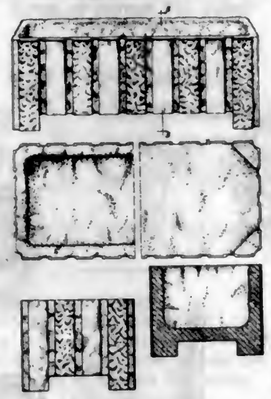
The ornamental design for a souvenir plaque, as shown.

163,845
REMOVABLE CAP FOR MECHANICAL PENCIL OR SIMILAR ARTICLE
Garfield L. Beckstrom, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application October 1, 1949, Serial No. 5,259
Term of patent 14 years
(Cl. D74—1)



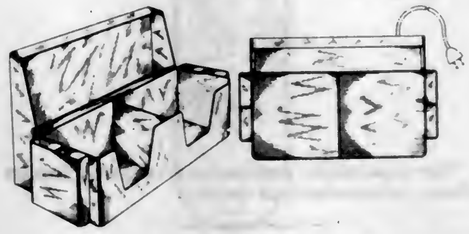
The ornamental design for a removable cap for a mechanical pencil or similar article, substantially as shown and described.

163,846
PLANTER
John B. Boyd, Santa Monica, Calif.
Application October 24, 1950, Serial No. 12,697
Term of patent 14 years
(Cl. D35—3)



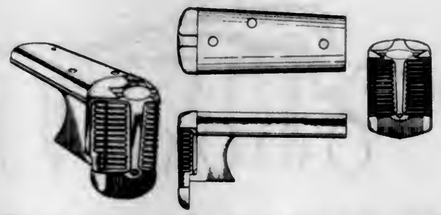
The ornamental design for a planter, as shown.

163,847
DRINK ACCESSORY CABINET
Karl Brocken, Milwaukee, Wis.
Application July 13, 1950, Serial No. 11,140
Term of patent 3½ years
(Cl. D52—2)



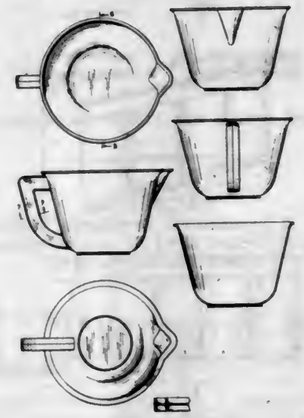
The ornamental design for a drink accessory cabinet, substantially as shown and described.

163,848
COMBINED TRACTOR RADIATOR COVER AND HOOD
Walter L. Brockway, Auburn Township, Geauga County, Ohio, assignor to Adrian Medert, trustee, Cleveland, Ohio
Application April 13, 1950, Serial No. 9,176
Term of patent 14 years
(Cl. D14—18)



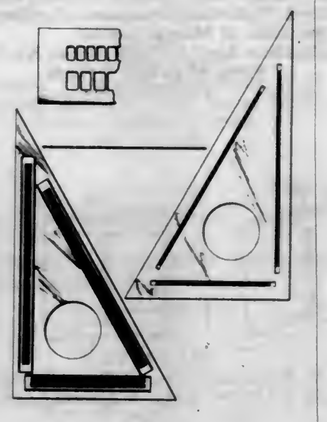
The ornamental design for a combined tractor radiator cover and hood, as shown.

163,849
BATTER BOWL
Clarence M. Burroughs, Glendale, Calif., assignor to Burroughs Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application December 3, 1949, Serial No. 6,394
Term of patent 7 years
(Cl. D44—9)



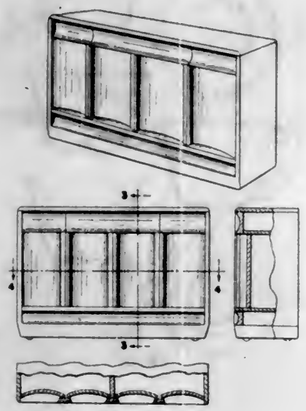
The ornamental design for a batter bowl, as shown.

163,850
DRAFTING INSTRUMENT
Edward F. Campbell, Jeffersonville, Ind.
Application April 10, 1950, Serial No. 9,083
Term of patent 3½ years
(Cl. D52—1)



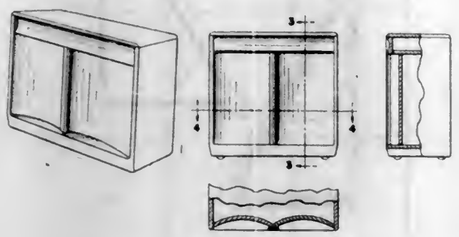
The ornamental design for a drafting instrument, as shown.

163,851
CABINET WITH MULTIPLE DRAWERS AND COMPARTMENTS
William Joseph Carr, Gardner, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application April 28, 1950, Serial No. 9,529
Term of patent 7 years
(Cl. D33—19)



The ornamental design for a cabinet with multiple drawers and compartments, substantially as shown.

163,852
CABINET WITH DRAWER AND COMPARTMENT
William Joseph Carr, Gardner, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application April 28, 1950, Serial No. 9,530
Term of patent 7 years
(Cl. D33—19)



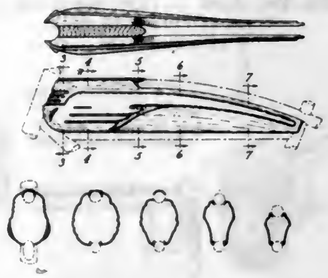
The ornamental design for a cabinet with drawer and compartment, substantially as shown.

163,853
RELIGIOUS ILLUSION PLAQUE
Enrico Cerracchio, Brooklyn, N. Y.
Application April 26, 1950, Serial No. 9,483
Term of patent 14 years
(Cl. D29—23)



The ornamental design for a religious illusion plaque, substantially as shown.

163,854
BICYCLE TANK
John F. Day, Englewood, N. J., and Harold F. Maschin, Westfield, Mass., assignors to The Westfield Manufacturing Company, Westfield, Mass., a corporation of Massachusetts
Application April 26, 1951, Serial No. 14,974
Term of patent 7 years
(Cl. D90—8)



The ornamental design for a bicycle tank, substantially as shown and described.

163,855
BINOCULAR
Lorenzo del Riccio, Los Angeles, Calif., assignor to Wide Vision Optics Inc., Chicago, Ill., a corporation of Illinois
Application October 28, 1950, Serial No. 12,767
Term of patent 3½ years
(Cl. D57—1)



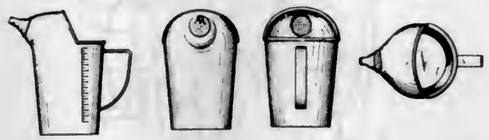
The ornamental design for a binocular, as shown.

163,856
CLOCKFACE
Thomas D. Di Addario, Buffalo, N. Y.
Application March 2, 1948, Serial No. 144,863
Term of patent 3½ years
(Cl. D42—10)



The ornamental design for a clockface, as shown and described.

163,857
COMBINATION BABY FORMULA MIXER AND DISPENSER
Isidore Frimerman, New York, N. Y.
Application January 19, 1949, Serial No. 339
Term of patent 14 years
(Cl. D44—21)



The ornamental design for a combination baby formula mixer and dispenser, substantially as shown.

163,858
LINE HOLDER
Myron L. Gaster, Duluth, Minn., assignor, by mesne assignments, to Mawsaid Products, Inc., Duluth, Minn., a corporation of Minnesota
Application November 9, 1949, Serial No. 5,956
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a line holder, as shown.

163,859
WATCHCASE
Arthur J. Geoffrion, Manhasset, N. Y.
Application August 31, 1950, Serial No. 12,001
Term of patent 7 years
(Cl. D42—8)



The ornamental design for a watchcase, substantially as shown and described.

163,860
WATCHCASE
Arthur J. Geoffrion, Manhasset, N. Y.
Application August 31, 1950, Serial No. 12,002
Term of patent 7 years
(Cl. D42—8)



The ornamental design for a watchcase, substantially as shown and described.

163,861
WATCHCASE
Arthur J. Geoffrion, Manhasset, N. Y.
Application August 31, 1950, Serial No. 12,003
Term of patent 7 years
(Cl. D42—8)



The ornamental design for a watchcase, substantially as shown and described.

163,862
WATCHCASE
Arthur J. Geoffrion, Manhasset, N. Y.
Application August 31, 1950, Serial No. 12,004
Term of patent 7 years
(Cl. D42—8)



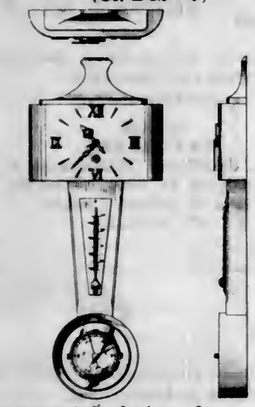
The ornamental design for a watchcase, substantially as shown and described.

163,863
WATCHCASE
Arthur J. Geoffrion, Manhasset, N. Y.
Application August 31, 1950, Serial No. 12,005
Term of patent 7 years
(Cl. D42—8)



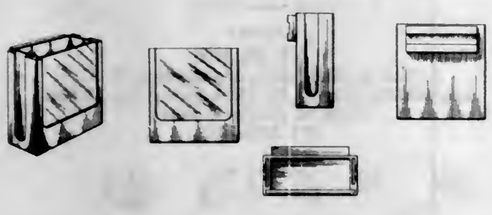
The ornamental design for a watchcase, substantially as shown and described.

163,864
COMBINATION CLOCK, THERMOMETER, AND BAROMETER
Michael Gold, New York, N. Y.
Application May 3, 1950, Serial No. 9,689
Term of patent 14 years
(Cl. D42—7)



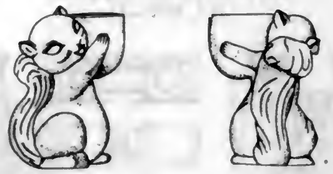
The ornamental design for a combination clock, thermometer, and barometer, as shown.

163,865
COMBINATION CIGARETTE PACK AND COIN CONTAINER
Vernon D. Griffith, Omaha, Nebr., assignor to Griffith Manufacturing Co., Inc., Omaha, Nebr., a corporation of Nebraska
Application May 19, 1950, Serial No. 10,046
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for a combination cigarette pack and coin container, as shown.

163,866
FIGURINE OR THE LIKE
Myra Halpert, St. Albans, N. Y.
Application March 6, 1951, Serial No. 14,400
Term of patent 7 years
(Cl. D29—23)



The ornamental design for a figurine or the like, substantially as shown.

163,867
TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y.
Application February 15, 1951, Serial No. 14,226
Term of patent 3½ years
(Cl. D92—1)



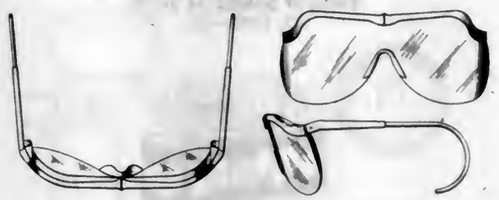
The ornamental design for a textile fabric or similar article, as shown and described.

163,868
ANIMATED TOY FIGURE
Arthur M. Hiliery, Leominster, Mass.
Application May 5, 1950, Serial No. 9,722
Term of patent 7 years
(Cl. D34—4)



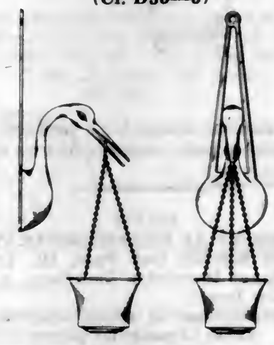
The ornamental design for an animated toy figure, as shown.

163,869
SUNGLASS
George R. Hinman, Sands Point, N. Y., assignor to Pioneer Scientific Corporation, New York, N. Y., a corporation of New York
Application March 1, 1951, Serial No. 14,345
Term of patent 14 years
(Cl. D57—1)



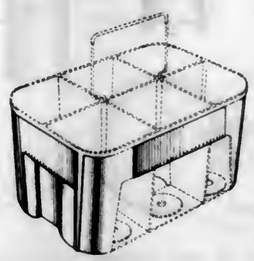
The ornamental design for a sunglass, substantially as shown.

163,870
COMBINED WALL BRACKET AND FLOWER HOLDER OR THE LIKE
Michael Iwanoski, Newark, N. J.
Application December 2, 1949, Serial No. 6,388
Term of patent 7 years
(Cl. D35—3)



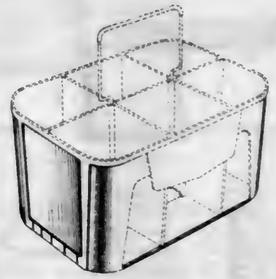
The ornamental design for a combined wall bracket and flower holder or the like, as shown and described.

163,871
BOTTLE CARRIER
Charles E. Jones, Chicago, Ill., assignor to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application June 30, 1950, Serial No. 10,902
Term of patent 14 years
(Cl. D58—13)



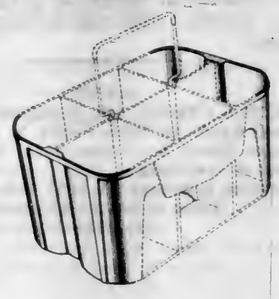
The ornamental design for a bottle carrier, as shown and described.

163,872
BOTTLE CARRIER
Charles E. Jones, Chicago, Ill., assignor to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application June 30, 1950, Serial No. 10,903
Term of patent 14 years
(Cl. D58—13)



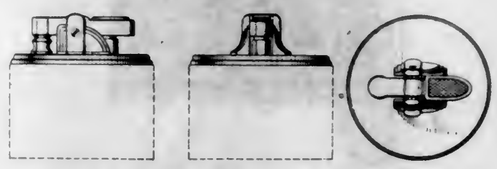
The ornamental design for a bottle carrier, as shown and described.

163,873
BOTTLE CARRIER
Charles E. Jones, Chicago, Ill., assignor to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application June 30, 1950, Serial No. 10,904
Term of patent 14 years
(Cl. D58—13)



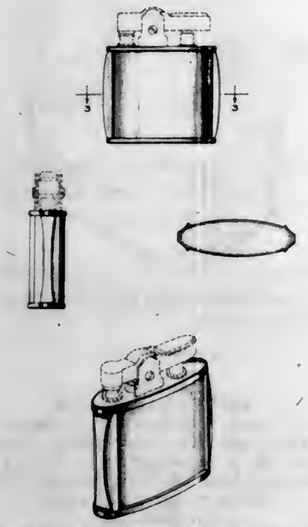
The ornamental design for a bottle carrier, as shown and described.

163,874
CIGAR LIGHTER OR SIMILAR ARTICLE
Frederick Kaupmann, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application August 22, 1950, Serial No. 11,878
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a cigar lighter or similar article, substantially as shown and described.

163,875
CIGAR LIGHTER OR SIMILAR ARTICLE
Frederick Kaupmann, Brooklyn, N. Y., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation
Application April 12, 1951, Serial No. 14,807
Term of patent 14 years
(Cl. D48—27)



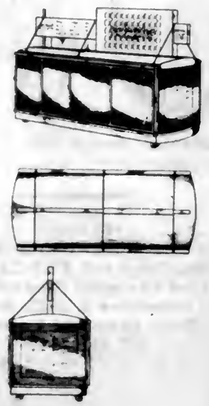
The ornamental design for a cigar lighter or similar article, substantially as shown and described.

163,876
TEXTILE FABRIC OR SIMILAR ARTICLE
Rockwell Kent, Au Sable Forks, N. Y., assignor to Charles Bloom Inc.. New York, N. Y., a corporation of New York
Application February 15, 1951, Serial No. 14,220
Term of patent 3½ years
(Cl. D92—1)



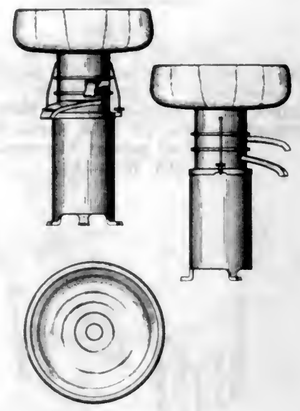
The ornamental design for a textile fabric or similar article, as shown and described.

163,877
PORTABLE TOOL CABINET OR SIMILAR ARTICLE
Sanford Kent, Jehiel H. Lehman, and Doris R. Lippman, Los Angeles, Calif., assignors to Power Tool Rentals, Inc., Los Angeles, Calif., a corporation of California
Application January 20, 1951, Serial No. 13,895
Term of patent 14 years
(Cl. D80—11)



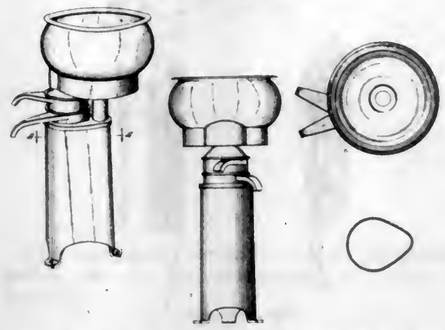
The ornamental design for a portable tool cabinet or similar article, substantially as shown and described.

163,878
CENTRIFUGAL CREAM SEPARATOR
Theodore H. Koeber, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 28, 1950, Serial No. 12,763
Term of patent 7 years
(Cl. D23—1)



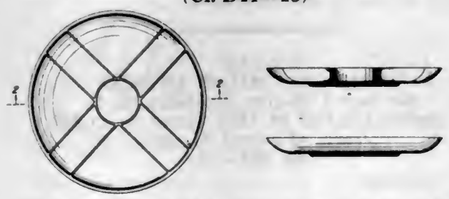
The ornamental design for a centrifugal cream separator, as shown.

163,879
CENTRIFUGAL CREAM SEPARATOR
Theodore H. Koeber, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 28, 1950, Serial No. 12,764
Term of patent 7 years
(Cl. D23—1)



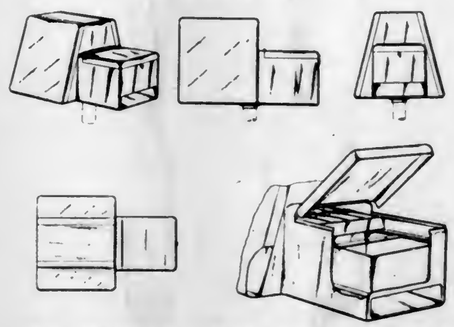
The ornamental design for a centrifugal cream separator, as shown.

163,880
SECTIONAL SANDWICH PLATE
Henry Kowsky, Rochester, N. Y.
Application May 26, 1949, Serial No. 2,898
Term of patent 3½ years
(Cl. D44—15)



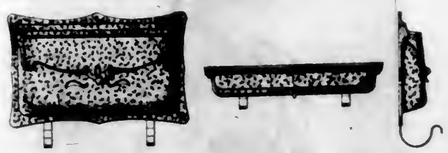
The ornamental design for a sectional sandwich plate, substantially as shown.

163,881
COMBINATION MERCHANDISE DISPLAY CASE AND CASHBOX
Alex Jay Liberman, Los Angeles, Calif.
Application July 22, 1949, Serial No. 4,063
Term of patent 7 years
(Cl. D80—11)



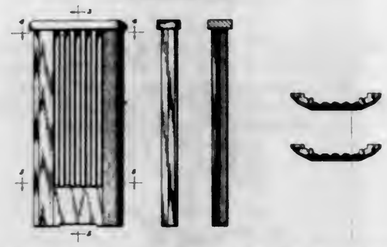
The ornamental design for a combination merchandise display case and cash box, as shown and described.

163,882
MAILBOX
Albert W. Lindberg, Jr., Bayonne, N. J.
Application March 22, 1950, Serial No. 8,682
Term of patent 14 years
(Cl. D74—9)



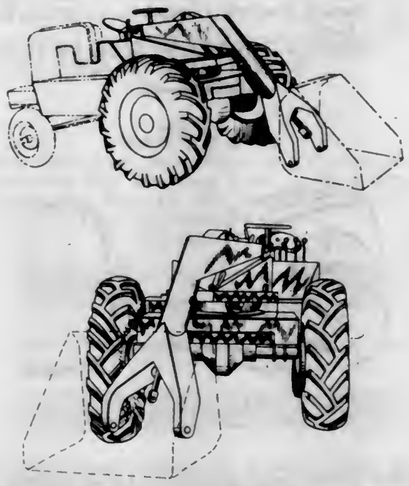
The ornamental design for a mail box, as shown.

163,883
CHAIR END STANDARD
William S. Lindberg, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application December 17, 1949, Serial No. 6,689
Term of patent 14 years
(Cl. D15—8)

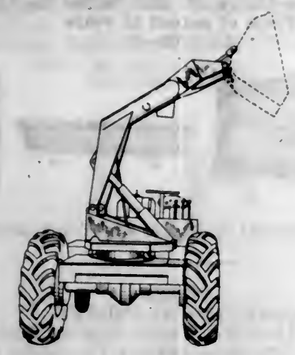


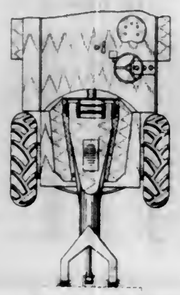
The ornamental design for a chair end standard, substantially as shown.

163,884
PORTABLE LOADER
Vernon G. Mandt, Columbus, Ohio, assignor to Mandt Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application March 9, 1950, Serial No. 8,420
Term of patent 14 years
(Cl. D14—3)



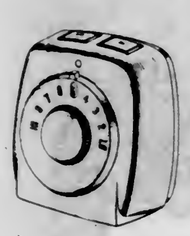
163,884—Continued





The ornamental design for a portable loader, as shown and described.

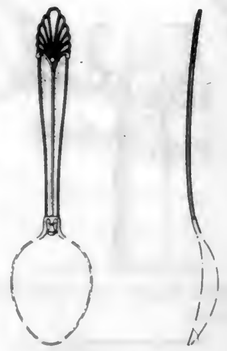
163,885
AUTOMATIC CONTROLLER OR THE LIKE
Donald L. McFarland, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application July 22, 1950, Serial No. 11,364
Term of patent 14 years
(Cl. D26—13)





The ornamental design for an automatic controller or the like, as shown.

163,886
SPOON OR SIMILAR ARTICLE
Norman J. Mercer, Brooklyn, N. Y.
Application July 10, 1950, Serial No. 11,059
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article, as shown and described.

163,887
SPOON OR SIMILAR ARTICLE
Norman J. Mercer, Brooklyn, N. Y.
Application July 10, 1950, Serial No. 11,060
Term of patent 14 years
(Cl. D54—12)



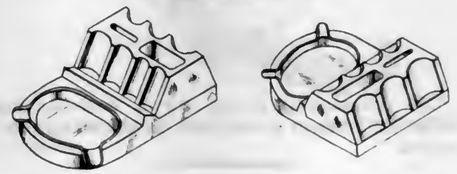
The ornamental design for a spoon or similar article, as shown and described.

163,888
COVER FOR COSMETIC BOTTLES AND THE LIKE
Harold Merillat, New York, N. Y.
Application October 9, 1950, Serial No. 12,493
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a cover for cosmetic bottles and the like, substantially as shown and described.

163,889
COMBINED ASH TRAY AND HOLDER FOR COINS, GAME CHIPS, CIGARETTES, AND MATCHES
Jerry Meyer, New York, Siegbert Strauss, Bellport, and Sender Stutzel, New York, N. Y.
Application October 24, 1950, Serial No. 12,938
Term of patent 14 years
(Cl. D85—2)



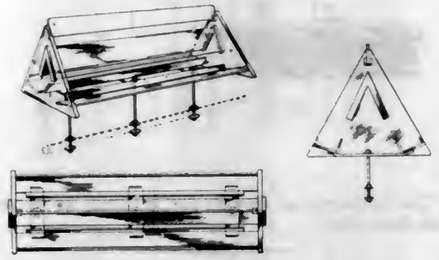
The ornamental design for a combined ash tray and holder for coins, game chips, cigarettes, and matches, as shown.

163,890
THERMOMETER SUPPORT
Joseph J. Milavec, Cleveland, Ohio
Application March 29, 1949, Serial No. 1,701
Term of patent 14 years
(Cl. D52—7)



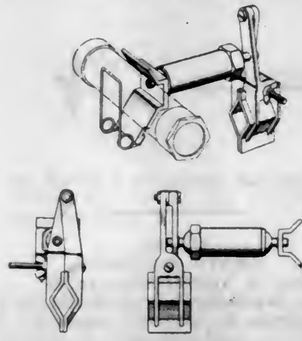
The ornamental design for a thermometer support, as shown and described.

163,891
MERCHANDISE DISPLAY RACK OR SIMILAR ARTICLE
William A. Miles, Dallas, Tex.
Application May 26, 1950, Serial No. 10,198
Term of patent 7 years
(Cl. D80—9)



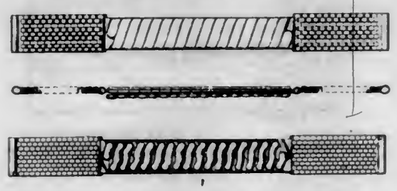
The ornamental design for a merchandise display rack or similar article, substantially as shown and described.

163,892
COMBINED FLASHLIGHT CLAMP AND MOUNTING BRACKET THEREFOR
David Mitchell, Jr., Rosemead, Calif.
Application May 31, 1950, Serial No. 10,276
Term of patent 3½ years
(Cl. D48—24)



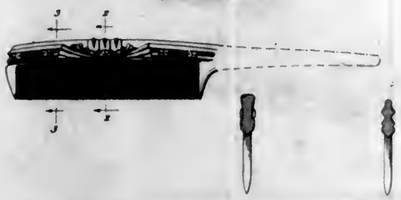
The ornamental design for a combined flashlight clamp and mounting bracket therefor, substantially as shown and described.

163,893
WATCH BAND
Samuel Moanfeldt, New York, N. Y., assignor to Chambers Mfg. Co., New York, N. Y., a firm
Application June 28, 1950, Serial No. 10,815
Term of patent 14 years
(Cl. D45—4)



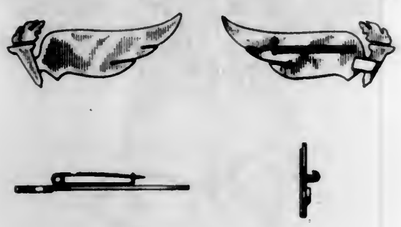
The ornamental design for a watch band, substantially as shown and described.

163,894
COMB
Peter Morroni, Leominster, Mass.
Application November 7, 1949, Serial No. 5,906
Term of patent 3½ years
(Cl. D86—8)



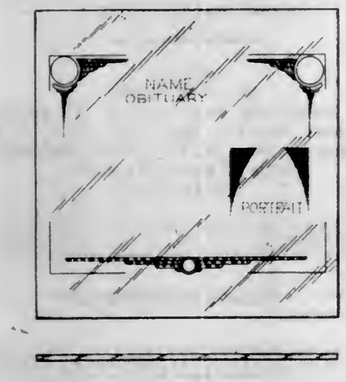
The ornamental design for a comb, as shown, and described.

163,895
BADGE
Albert L. Murphy, Trona, Calif.
Application October 14, 1950, Serial No. 12,570
Term of patent 14 years
(Cl. D29—2)



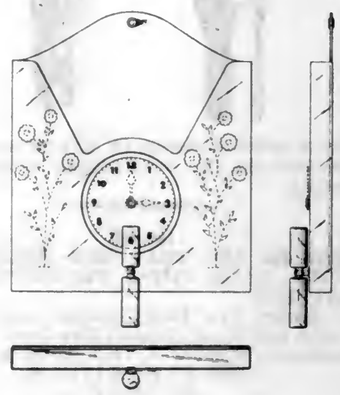
The ornamental design for a badge, as shown.

163,896
GRAVE MARKER
Glen R. Nichols, Chicago, Ill.
Application September 2, 1950, Serial No. 12,040
Term of patent 3½ years
(Cl. D79—2)



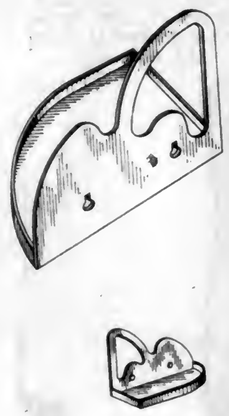
The ornamental design for a grave marker, as shown and described.

163,897
WALL-HANGING HOLDER FOR KITCHEN ACCESSORIES
Harry Oakes, Long Island City, N. Y., assignor to A. L. Siegel Co., Inc., New York, N. Y., a corporation of New York
Application June 24, 1950, Serial No. 10,748
Term of patent 3½ years
(Cl. D33—18)



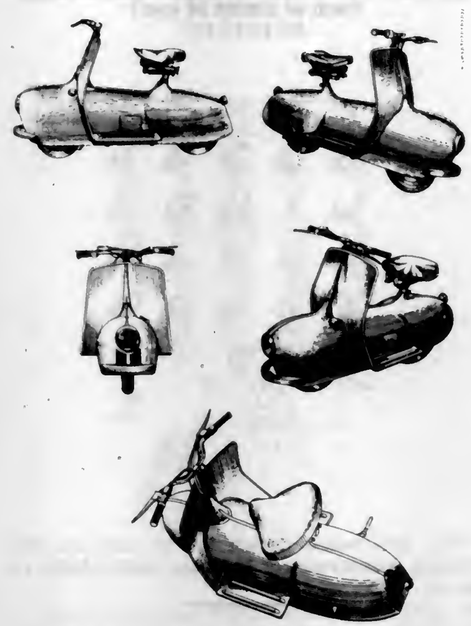
The ornamental design for a wall-hanging holder for kitchen accessories, as shown and described.

163,898
TABLE RACK
Ronald J. Olson, Pelican Rapids, Minn.
Application April 9, 1951, Serial No. 14,758
Term of patent 3½ years
(Cl. D33—3)



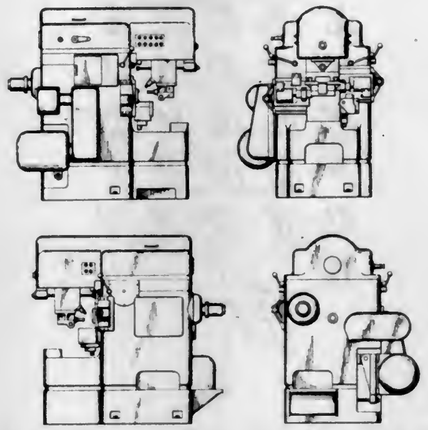
The ornamental design for a table rack, as shown.

163,899
MOTOR SCOOTER
Sanzio Pio Vincenzo Piatti, Milan, Italy
Application January 18, 1951, Serial No. 13,869
In Great Britain July 13, 1950
Term of patent 14 years
(Cl. D90—8.1)



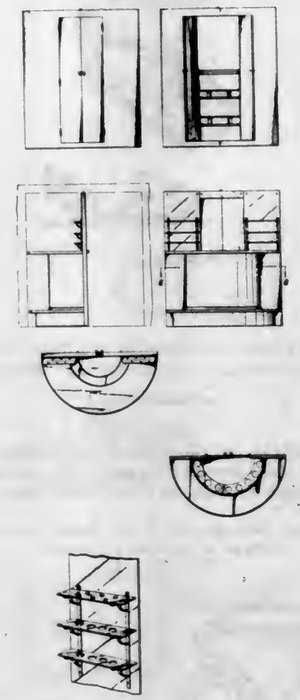
The ornamental design for a motor scooter, as shown.

163,900
SINGLE SPINDLE AUTOMATIC LATHE
Herbert H. Ranney, Windsor, Vt., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt., a corporation of Vermont
Application September 22, 1949, Serial No. 5,139
Term of patent 14 years
(Cl. D54—6)



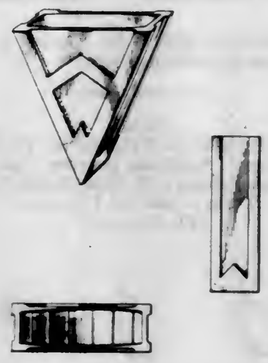
The ornamental design for a single spindle automatic lathe, as shown.

163,901
BUFFET BAR
Michele Renna, Los Angeles, Calif.
Application December 16, 1950, Serial No. 13,463
Term of patent 14 years
(Cl. D33—19)



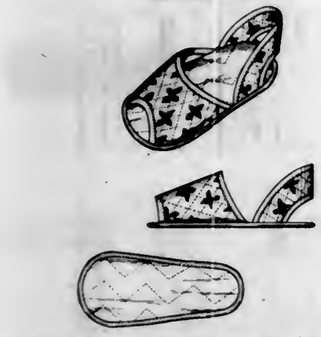
The ornamental design for a buffet bar, as shown and described.

163,902
EDIBLE CONTAINER
Louis K. Richardson, Seattle, Wash., and Thomas E. Pope, Kodiak, Territory of Alaska
Application February 28, 1950, Serial No. 8,217
Term of patent 14 years
(Cl. D8—2)



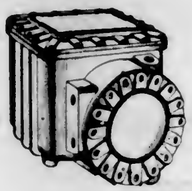
The ornamental design for an edible container, as shown and described.

163,903
SLIPPER OR SIMILAR ARTICLE
Hyman Singer, New York, N. Y.
Application August 24, 1950, Serial No. 11,899
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a slipper or similar article, substantially as shown and described.

163,904
GAUGE MECHANISM HOUSING
Eugene T. Sliwinski, Chicago, Ill., assignor, by mesne assignments, to Charles J. Doyle, Houston, Tex.
Application October 24, 1946, Serial No. 134,199
Term of patent 14 years
(Cl. D52—1)





The ornamental design for a gauge mechanism housing, substantially as shown.

163,905
WHISTLING WHIRLING TOY
Louis S. Spallone, Denver, Colo.
Application January 18, 1950, Serial No. 7,316
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a whistling whirling toy, as shown.

163,906
ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Clifford A. Spanganberg, Rochester, N. Y., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y., a corporation of New York
Application December 29, 1949, Serial No. 6,911
Term of patent 14 years
(Cl. D64—12)



The ornamental design for an alphabet for forming monograms or the like, substantially as shown.

163,907
ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Clifford A. Spanganberg, Rochester, N. Y., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y., a corporation of New York
Application December 29, 1949, Serial No. 6,912
Term of patent 14 years
(Cl. D64—12)



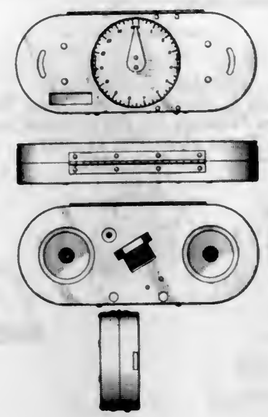
The ornamental design for an alphabet for forming monograms or the like, substantially as shown.

163,908
ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Clifford A. Spanganberg, Rochester, N. Y., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y., a corporation of New York
Application December 29, 1949, Serial No. 6,913
Term of patent 14 years
(Cl. D64—12)



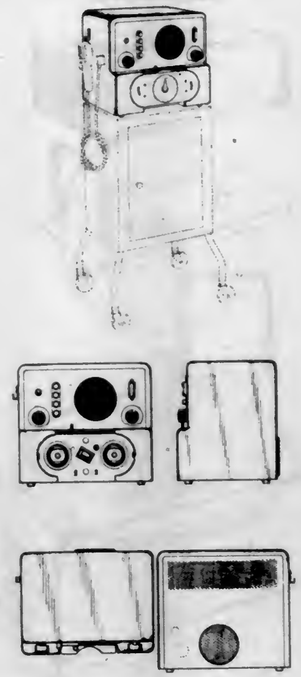
The ornamental design for an alphabet for forming monograms or the like, substantially as shown.

163,909
WIRE MAGAZINE
Emil C. Steinbach, Chicago, Ill., assignor to Charles P. Peirce, Evanston, Ill.
Application February 14, 1950, Serial No. 7,931
Term of patent 7 years
(Cl. D26—14)



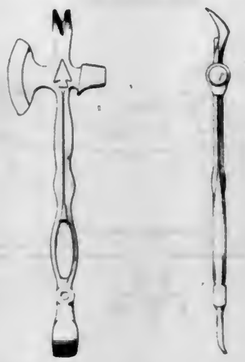
The ornamental design for a wire magazine, as shown.

163,910
WIRE RECORDER
Emil C. Steinbach, Chicago, Ill., assignor to Charles P. Peirce, Evanston, Ill.
Application February 17, 1950, Serial No. 7,979
Term of patent 7 years
(Cl. D26—14)



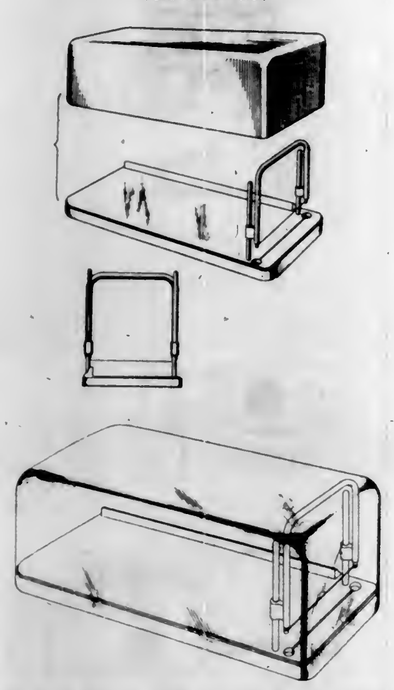
The ornamental design for a wire recorder, as shown and described.

163,911
COMPOUND TOOL
Ernest E. Sutter, Milwaukee, Wis.
Application December 30, 1949, Serial No. 6,936
Term of patent 14 years
(Cl. D93—4.3)



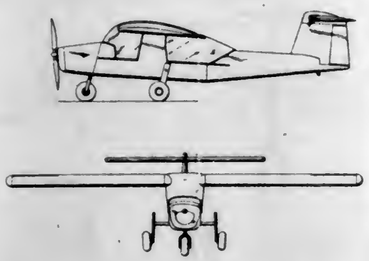
The ornamental design for a compound tool, as shown and described.

163,912
COMBINED CONTAINER AND SLICER
Harold F. Taylor, Springfield, Ohio, assignor to Tapco, Inc., Springfield, Ohio, a corporation of Ohio
Application September 2, 1947, Serial No. 141,162
Term of patent 14 years
(Cl. D44—29)

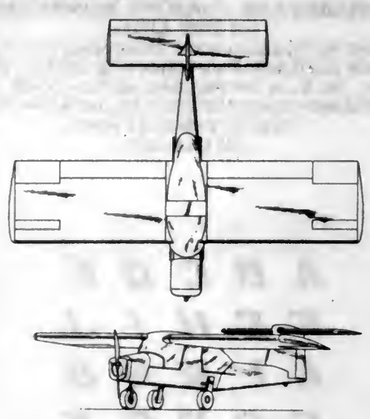


The ornamental design for a combined container and slicer, substantially as shown.

163,913
AIRPLANE
John W. Thorp, Burbank, Calif., assignor to Fletcher Aviation Corp., Pasadena, Calif., a corporation of California
Application April 3, 1950, Serial No. 8,940
Term of patent 14 years
(Cl. D71—1)

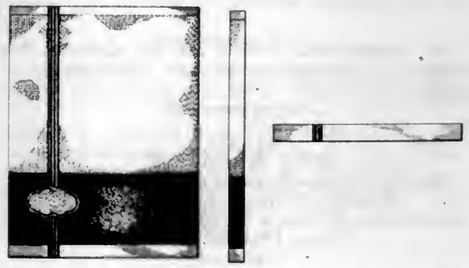


163,913—Continued



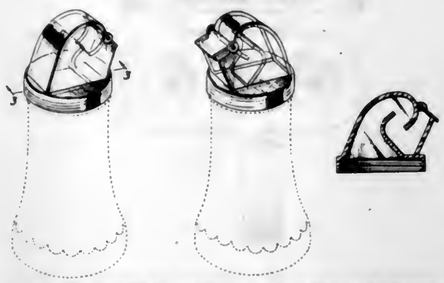
The ornamental design for an airplane, substantially as shown.

163,914
STOCKING BOX
Sidney P. Voice, Hewlett, N. Y., assignor to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware
Application August 19, 1950, Serial No. 11,855
Term of patent 14 years
(Cl. D58—12.6)



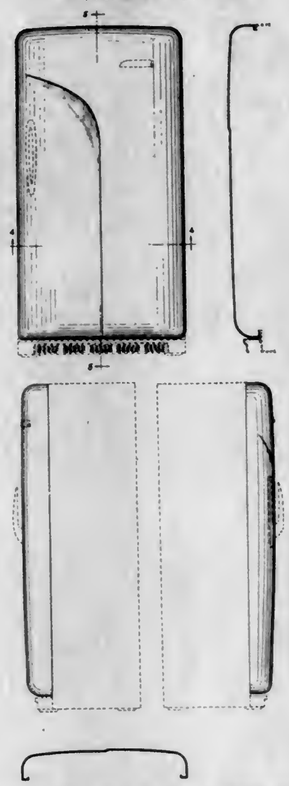
The ornamental design for a stocking box, as shown and described.

163,915
SUGAR DISPENSER
Harry L. Wall, East St. Louis, Ill.
Application January 15, 1951, Serial No. 13,804
Term of patent 14 years
(Cl. D58—26)



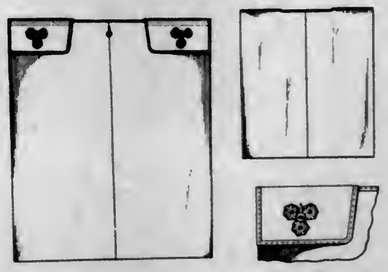
The ornamental design for a sugar dispenser, as shown and described.

163,916
REFRIGERATOR CABINET
John H. Walter, Grosse Pointe, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application January 22, 1951, Serial No. 13,907
Term of patent 14 years
(Cl. D67—3)



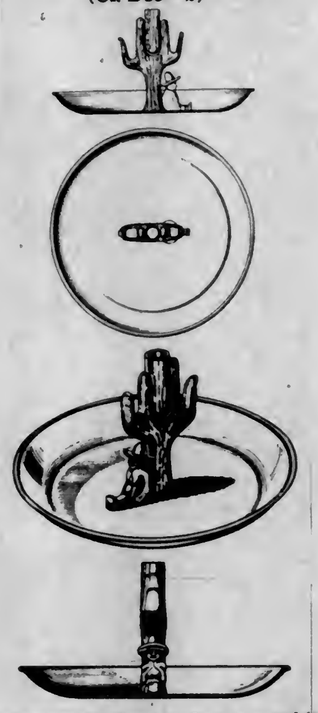
The ornamental design for a refrigerator cabinet, substantially as shown and described.

163,917
QUILT COVER OR SIMILAR ARTICLE
Dorothy K. Wassner, New York, N. Y.
Application September 9, 1949, Serial No. 4,933
Term of patent 3½ years
(Cl. D92—2)



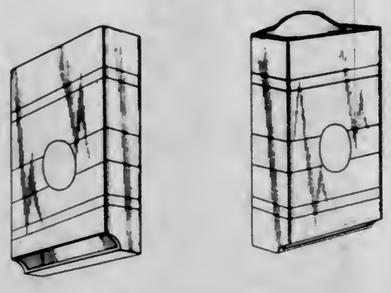
The ornamental design for a quilt cover or similar article, substantially as shown.

163,918
COMBINED ASH TRAY AND SNUFFER
Eric Wedemeyer, Floral Park, N. Y., assignor to Hamilton Art Metal Corporation, New York, N. Y.
Application October 29, 1949, Serial No. 5,791
Term of patent 7 years
(Cl. D85—2)



The ornamental design for a combined ash tray and snuffer, substantially as shown and described.

163,919
CONTAINER AND DISPENSER FOR BOOK MATCHES
Oscar F. Werner, San Bruno, Calif.
Application February 9, 1950, Serial No. 7,846
Term of patent 3½ years
(Cl. D48—28)



The ornamental design for a container and dispenser for book matches, substantially as shown.

July 17, 1951 Volume 648 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Good will, educational, congratulatory, etc., pamphlets. Serial No. 574,077, July 17. Class 38.

Abbott Laboratories, North Chicago, Ill. Oral preparation indicated in vitamin deficiency. Serial No. 599,734, July 17. Class 18.

Absalon Brands, Inc., New York, N. Y. Cheeses and fruit preserves. Serial No. 603,217, July 17. Class 46.

Acme Shear Company, The, Bridgeport, Conn. Shears and scissors. Serial No. 595,041, July 17. Class 23.

Addis, Charles M.: *See*—
Attapulgus Clay Company.

Aerol Co. Inc., Burbank, Calif. Wheels for industrial trucks. Serial No. 605,390, July 17. Class 19.

Afo Company, The, Gloversville, N. Y. Shaving cream. Serial No. 608,193, July 17. Class 51.

Air Cooling Engineering Co., Morton Grove, Ill. Evaporative type air coolers. Serial No. 587,922, July 17. Class 34.

Aircraft-Marine Products Inc., Harrisburg, Pa. Hand tools. Serial No. 592,452, July 17. Class 23.

Alcon Laboratories, Inc., Forth Worth, Tex. Nasal drops. Serial No. 607,655, July 17. Class 18.

Alford, Oliver P., III, Wye Neck, Md. Dairy cattle. Serial No. 582,670, July 17. Class 1.

Allied Laboratories, Inc., Kansas City, Mo. Veterinary preparation. Serial No. 605,835, July 17. Class 18.

Allied Laboratories, Inc., Kansas City, Mo. Laxative tablets. Serial No. 605,837, July 17. Class 18.

Alrose Chemical Company, Cranston, R. I. Cleaning compositions. Serial No. 592,294, July 17. Class 52.

American Cyanamid Company, New York, N. Y. Enzyme preparation. Serial No. 600,314, July 17. Class 18.

American Cyanamid Company, New York, N. Y. Enzyme preparation. Serial No. 600,316, July 17. Class 18.

American Hydrotherm Corp., New York, N. Y. Pumps. Serial No. 584,260, July 17. Class 23.

American Mat Corporation, Toledo, Ohio. Protective and cushioning mats and rugs. Serial No. 604,178, July 17. Class 50.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Steel wire. Serial No. 606,112, July 17. Class 14.

American Viscose Corporation, Philadelphia, Pa. Yarns, threads, and yarn and thread filaments. Serial No. 586,616, July 17. Class 43.

American Girl Shoe Co., Boston, Mass. Ladies' and misses' shoes. Serial No. 604,894, July 17. Class 39.

Anchor Plastics Company, Inc., New York, N. Y. Boning or stays for brassières. Serial No. 598,824, July 17. Class 40.

Arco Company, The, Cleveland, Ohio. Automobile paint. Serial No. 546,749, July 17. Class 16.

Arkansas Company, Inc., Newark, N. J. Fixing and developing compounds. Serial No. 517,955, July 17. Class 6.

Armour and Company, Chicago, Ill. Hyaluronidase. Serial No. 607,476, July 17. Class 18.

Asquith, Herbert K., doing business as The Haskey Company, Chicago, Ill. Glass refrigerator jugs. Serial No. 564,595, July 17. Class 33.

Associated Crib Diaper Companies, Inc., Chicago, Ill. Children's underdrawers or under pants. Serial No. 585,908, July 17. Class 39.

Atlantic Refining Company, The, Philadelphia, Pa. Gasoline. Serial No. 605,134, July 17. Class 15.

Attapulgus Clay Company, assignee of Charles M. Addis, doing business as Refiners Lubricating Company, Philadelphia, Pa. Floor cleaning compounds. Serial No. 569,586, July 17. Class 52.

Austenal Laboratories, Incorporated, New York, N. Y. Dentures and surgical appliances. Serial No. 574,187, July 17. Class 44.

Baby Feedaider Company, The, Columbia, S. C. Nursing bottle supports. Serial No. 605,625, July 17. Class 44.

Berry Brothers, Quincy, Ill. Baby chicks. Serial No. 599,494, July 17. Class 1.

Best, John H., & Sons, Inc., Galva, Ill. Display racks and storage racks. Serial No. 583,514, July 17. Class 32.

Bolton Leathers Limited, Bolton, England. Leather in the piece. Serial No. 586,386, July 17. Class 1.

Bolton Leathers Limited, Bolton, England. Leather. Serial No. 604,067, July 17. Class 1.

Bowen Products Corporation, Ecorse, Mich. All types of finished metal stampings. Serial No. 534,083, July 17. Class 14.

Bradley, Milton, Company, Springfield, Mass. Crayons and chalks. Serial No. 597,871, July 17. Class 37.

Breon, George A., & Company, New York, N. Y. Preparation for the symptomatic treatment of menopause. Serial No. 606,260, July 17. Class 18.

Broan Mfg. Co., Inc., Milwaukee, Wis. Exhaust and ventilating fans. Serial No. 602,672, July 17. Class 34.

Bronson Block Company, Ottawa Lake, Mich. Permanently colored concrete floor tile. Serial No. 607,928, July 17. Class 12.

Bruce, Donald, & Company: *See*—
Medicated Products Co.

Buffington's Incorporated, Worcester, Mass. Sympathomimetic agent, d-desoxyephedrine hydrochloride, etc. Serial No. 611,888, July 17. Class 18.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. Serial No. 594,882, July 17. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. Serial No. 607,737, July 17. Class 42.

Butters, Harry, doing business as Butters Mfg. Co., Boston, Mass. Cleaning compound. Serial No. 580,820, July 17. Class 52.

Butters Mfg. Co.: *See*—
Butters, Harry.

Butters Manufacturing Company, Atlanta, Ga. Milling cutters. Serial No. 605,464, July 17. Class 23.

Calgon, Incorporated, Pittsburgh, Pa. Metal cleaners and detergents. Serial No. 588,002, July 17. Class 52.

California Consumers Corporation, Los Angeles, Calif. Canned frozen citrus juices. Serial No. 545,434, July 17. Class 46.

California Farm Bureau Federation, Berkeley, Calif. Alfalfa seed. Serial No. 588,559, July 17. Class 1.

Camp Chemical Company, Inc., Brooklyn, N. Y. Chemical compound. Serial No. 579,081, July 17. Class 52.

Canas-Tab Company: *See*—
Stoll, Ernest C.

Caobas Mexicana, S. A., Mexico City, Mexico. Construction materials. Serial No. 600,162, July 17. Class 12.

Cel-U-Dex Corporation, Brooklyn, N. Y. Index tabs. Serial No. 598,064, July 17. Class 37.

Chipurnoi, Perry H., Inc., New York, N. Y. Cluster raisins. Serial No. 523,514, July 17. Class 46.

Clow, James, B., & Sons, Chicago, Ill. Gas unit and gas steam radiators. Serial No. 572,485, July 17. Class 34.

Cochran Foil Company, Louisville, Ky. Aluminum foil. Serial No. 603,731, July 17. Class 14.

Colotyle Tyle-Bord, Inc., Seattle, Wash. Enamel-coated hardboard wall panels. Serial No. 594,759, July 17. Class 12.

Columbia Protektosite Co., Inc., Carlstadt, N. J. Sunglasses, eyeglass frames, goggles and temple bars. Serial No. 591,018, July 17. Class 26.

Commodity House, Steubenville, Ohio. Paper bags. Serial No. 589,954, July 17. Class 2.

Community Exterminating Corp., New York, N. Y. Insecticides. Serial No. 591,771, July 17. Class 6.

Compco Corporation, Chicago, Ill. Electric light reflectors. Serial No. 580,185, July 17. Class 21.

Consolidated Cosmetics, Chicago, Ill. Lipstick and lip salve. Serial No. 578,571, July 17. Class 51.

Consolidated Millinery Company, Chicago, Ill. Ladies' and children's hats. Serial No. 558,702, July 17. Class 39.

Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis. Serial No. 596,559, July 17. Class 37.

Continental Motors Corporation, Muskegon and Detroit, Mich. Internal combustion engines. Serial No. 569,823, July 17. Class 23.

Continental Oil Company, Ponca City, Okla. Gasoline. Serial No. 605,147, July 17. Class 15.

Cook-Waite Laboratories, Inc., New York, N. Y. Antiseptic and disinfectant preparation. Serial No. 597,739, July 17. Class 18.

Coral Records, Inc., New York, N. Y. Mechanically grooved records. Serial No. 568,718, July 17. Class 36.

Coward Shoe Inc., The, New York, N. Y. Men's leather shoes. Serial No. 561,725, July 17. Class 39.

Creamette Company, The, Minneapolis, Minn. Macaroni food. Serial No. 582,895, July 17. Class 46.

Creamette Company, The, Minneapolis, Minn. Macaroni food. Serial No. 582,897, July 17. Class 46.

Crescent Corset Company, Inc., Cortland, N. Y. Corsets and foundation garments. Serial No. 593,861, July 17. Class 39.

Custom Furniture Finishers Guild: *See*—
Woodward, Albert Y.

Decatur Casting Company, The, Hamilton, Ohio. Gray iron castings. Serial No. 606,935, July 17. Class 14.

Deere & Company, Moline, Ill. Hydraulic control mechanism. Serial No. 586,794, July 17. Class 23.

De Pree Company, The, Holland, Mich. Alteratives antacid preparations, antiseptics, aspirin tablets, etc. Serial No. 560,452, July 17. Class 4.

Detroit Steel Corporation, Detroit, Mich. Sheet and strip steel. Serial No. 604,690, July 17. Class 14.

Diamond Alkali Company, Cleveland, Ohio. Penetrating or wetting agent. Serial No. 580,828, July 17. Class 52.

Diane Export Co., New York, N. Y. Textile fabrics. Serial No. 571,410, July 17. Class 42.
Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y. Monoesters of polyhydric alcohols. Serial No. 588,920, July 17. Class 6.
Dover Lane Clothes, Inc., New York, N. Y. Men's suits, coats, vests, etc. Serial No. 569,510, July 17. Class 39.
Dresser Industries, Inc., Dallas, Tex. Corrosion shields. Serial No. 602,311, July 17. Class 13.
Dryad Limited, Leicestershire and Leicester, Leicestershire, England. Cane and wicker-work furniture. Serial No. 596,988, July 17. Class 32.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds. Serial No. 569,965, July 17. Class 1.
Eagle Tops Mfg. Co.: *See*—
Reyes, Thomas C.
Eastern Tool & Stamping Co., Saugus, Mass. Metal stampings. Serial No. 595,538, July 17. Class 14.
Eastman Kodak Company, assignee: *See*—
Distillation Products, Inc.
Egyptian Chemical Company, Boston, Mass. Embalming machine. Serial No. 545,830, July 17. Class 44.
Electronics Research, Inc., Evansville, Ind. Signal generator. Serial No. 589,249, July 17. Class 26.
Elektrokemisk A/S, Oslo, Norway, and New York, N. Y. Smelting furnaces and parts of such furnaces. Serial No. 580,879, July 17. Class 34.
Emery Industries, Inc., Cincinnati, Ohio. Liquid and solid fatty acids. Serial No. 566,822, July 17. Class 6.
Energy Food Supplement Co., The: *See*—
Sorem, Bert.
Essex, Philip R., doing business as Saps Bakery and Sap's Bakery, Columbus, Ind. Donuts and pies. Serial No. 591,773, July 17. Class 46.
Even-Trade Dist. Co.: *See*—
Goodale & Co.
Excelsior Pharmaceutical Distributing Company, Inc., Chicago, Ill. Therapeutic tablets. Serial No. 607,075, July 17. Class 18.
Fairchild Recording Equipment Corporation, Whitestone, N. Y. Synchronous magnetic tape sound recorders. Serial No. 609,637–8, July 17. Class 21.
Federated Department Stores, Inc., by mesne assignments, from The John Shillite Company, Cincinnati, Ohio. Women's shoes. Serial No. 546,131, July 17. Class 39.
Ferro Enamel Corporation, Cleveland, Ohio. Clays. Serial No. 602,387, July 17. Class 1.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Synthetic and natural aromatic chemicals and essential oils. Serial No. 594,442, July 17. Class 52.
Firmenich, Incorporated: *See*—
Firmenich & Co.
First Texas Chemical Manufacturing Co., Dallas, Tex. Medicinal preparation. Serial No. 601,863, July 17. Class 18.
Fisher, Bruce, & Company, Philadelphia, Pa. China dinnerware. Serial No. 576,578, July 17. Class 30.
Flint, Eaton and Company, Decatur, Ill. Antacid agent. Serial No. 597,260, July 17. Class 18.
Flint, Eaton and Company, Decatur, Ill. Choline dihydrogen citrate. Serial No. 597,261, July 17. Class 18.
Flint, Eaton and Company, Decatur, Ill. Agent for neutralizing gastric acidity, etc. Serial No. 597,262, July 17. Class 18.
Flint, Eaton and Company, Decatur, Ill. Bacteriostatic, decongestant solution. Serial No. 597,263, July 17. Class 18.
Food Machinery and Chemical Corporation, San Jose, Calif. Parasiticides. Serial No. 579,089, July 17. Class 6.
Fownes Bros. & Co. Inc., New York, N. Y. Gloves. Serial No. 587,544, July 17. Class 39.
Franklin Furniture Co., The, Columbiana, Ohio. Household furniture. Serial No. 575,919, July 17. Class 32.
Fuller Brush Company, The, Hartford, Conn. Synthetic brush fibers. Serial No. 602,552, July 17. Class 1.
Gamble-Skogmo, Inc., Minneapolis, Minn. Rifle cartridges. Serial No. 603,056, July 17. Class 9.
Gamble-Skogmo, Inc., Minneapolis, Minn. Chicken feeders, hog feeders, and chick fountains. Serial No. 604,343, July 17. Class 50.
Gas Appliance Manufacturers Asociation, New York, N. Y. Gas fired water heaters. Serial No. 606,290, July 17. Class 34.
Gatchet, F. L., Inc., Gardiner, Wash. Fertilizer spraying apparatus. Serial No. 568,366, July 17. Class 23.
Genuine Leather Processing Corp., New York, N. Y. Processed leather and sheet leather. Serial Nos. 605,358–60, July 17. Class 1.
Gey Band and Tag Company, Norristown, Pa. Identification devices. Serial No. 603,883, July 17. Class 50.
Glamour Products Company, Los Angeles, Calif. Dietary supplement. Serial No. 593,917, July 17. Class 18.
Glidden, Otis E., & Co., Inc., Waukesha, Wis. Medicinal preparation. Serial No. 604,777, July 17. Class 18.
Gold Eagle Products Co., Chicago, Ill. Hydraulic brake fluid, radiator flush, etc. Serial No. 566,224, July 17. Class 52.
Goodale & Co., Centralia, Ill., and distributing certain of its products under the name Even-Trade Dist. Co. Canned dog food. Serial No. 557,127, July 17. Class 46.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Corn starch, lard, pancake mix, etc. Serial No. 605,478, July 17. Class 46.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 603,785, July 17. Class 27.
Gump, S. & G., Company, San Francisco, Calif., assignor to Gump's, Inc. Reupholstering and designing of furniture. Serial No. 541,283, July 17. Class 103.
Gump's, Inc.: *See*—
Gump, S. & G., Company.
Guy, Ralph I., doing business under the fictitious name and style of The Vitmora Company, Glendale, Calif. Multivitamin and multi-mineral preparation. Serial No. 606,216, July 17. Class 18.
Hallicrafters Co., The, Chicago, Ill. Radio and television receiving sets. Serial No. 609,681, July 17. Class 21.
Hallock-Denton Co., Newark, N. J. Non-alcoholic food flavoring extracts. Serial No. 584,621, July 17. Class 46.
Halpern, J., Company, Pittsburgh, Pa. Explosive caps for use in toy pistols. Serial No. 592,811, July 17. Class 9.
Hamber, M. Argent, trading under the name Lifetime Watch Company, Philadelphia, Pa. Watches. Serial No. 594,969, July 17. Class 27.
Hamilton Products: *See*—
Laue, Charles E.
Hannon, Harry P., doing business as Hannon Medicines, Brookhaven, Miss. Medicinal preparation. Serial No. 570,025, July 17. Class 18.
Hannon Medicines: *See*—
Hannon, Harry P.
Harding Manufacturing Co. Inc., Detroit, Mich. Tack rags. Serial No. 562,469, July 17. Class 52.
Harding, Milo, Company, Los Angeles, Calif. Cleaning fluid. Serial No. 562,654, July 17. Class 52.
Harper Method, Rochester, N. Y. Lemon cream, cold cream, vanishing cream, etc. Serial No. 570,050, July 17. Class 51.
Harrison Products, Inc., San Francisco, Calif. Sedative preparation. Serial No. 606,974, July 17. Class 18.
Haskey Company, The: *See*—
Asquith, Herbert K.
Haugron Cientificial, S. A., Barcelona, Spain. Cosmetics. Serial No. 602,318, July 17. Class 51.
Hawley Products Company, St. Charles, Ill. Baby buggy bodies. Serial No. 606,609, July 17. Class 19.
Hego Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 600,539, July 17. Class 42.
Heller, B., & Company, Chicago, Ill. Cleaning and polishing preparations. Serial No. 567,782, July 17. Class 4.
Hepworth Machine Company, Inc., New York and Long Island City, N. Y. Centrifugal machines. Serial No. 578,206, July 17. Class 23.
Hertz & Company, Inc., New York, N. Y. Metallic embroidered insertions, edgings, and medallions, etc. Serial No. 599,432, July 17. Class 40.
Hill, Mariam, New Philadelphia, Ohio. Salve. Serial No. 582,730, July 17. Class 18.
Holeproof Hosiery Co., Milwaukee, Wis. Anklets. Serial No. 586,482, July 17. Class 39.
Holland Furnace Company, Holland, Mich. Furnace flue gas baffle. Serial No. 528,929, July 17. Class 34.
Hoover Soil Service: *See*—
Hoover, Will J.
Hoover, Will J., doing business as Hoover Soil Service, Gilman, Ill. Fertilizers. Serial No. 599,515, July 17. Class 10.
Hossfeld, Albert: *See*—
Hossfeld Manufacturing Co.
Hossfeld Manufacturing Co., Winona, Minn., assignee of Merchants National Bank of Winona, administrator of the estate of Albert Hossfeld, deceased. Iron bender tool. Serial No. 535,582, July 17. Class 23.
House of Westmore, Inc., New York, N. Y. Lipstick, rouge, liquid foundation, etc. Serial No. 598,652, July 17. Class 51.
Humble Oil & Refining Company, Houston, Tex. Corrosion inhibitor. Serial No. 594,324, July 17. Class 6.
Hungerford Plastics Corporation, New Providence, N. J. Electrical table and wall lamps. Serial No. 588,091, July 17. Class 21.
Hunt, Rodney, Machine Co.: *See*—
Hunt, Rodney, Machine Company.
Hunt, Rodney, Machine Company, Orange, Mass., now by change of name Rodney Hunt Machine Co. Machines for advancing continuous lengths of flexible material. Serial No. 564,816, July 17. Class 23.
HyCrest Farms: *See*—
Sawyer, Lester T.
Imperial Chemical Industries Limited, London and Millbank, London, England. Arms, ammunition, cartridge cases, etc. Serial No. 594,779, July 17. Class 9.
Imperial Chemical & Plastics Corporation, Cranston, R. I. Embossed plastic film. Serial No. 598,188, July 17. Class 1.
Industrie A. G. Allegro, Emmenbrucke, Lucerne, Switzerland. Electric and nonelectric razors. Serial No. 601,733, July 17. Class 23.

International Harvester Company, Chicago, Ill. Refrigeration packaging products. Serial No. 601,791, July 17. Class 14.
International Harvester Company, Chicago, Ill. Refrigeration packaging products. Serial No. 601,794, July 17. Class 14.
International Harvester Company, Chicago, Ill. Refrigeration packaging products. Serial No. 601,797, July 17. Class 14.
Ironees Company, The: *See*—
Lehrman, David.
Irving, John, Shoe Corporation, Boston, Mass. Women's shoes. Serial No. 609,862, July 17. Class 39.
Jackson, Byron, Co., Los Angeles, Calif. Well tools. Serial No. 580,727, July 17. Class 23.
Jasper Glove Company, Inc., Jasper, Ind. Work gloves. Serial No. 585,071, July 17. Class 39.
Jefferson Electric Company, Bellwood, Ill. Electric clocks. Serial No. 589,579, July 17. Class 27.
Jeradent Inc., Newark, N. J. Dental plate cleaning composition. Serial No. 603,884, July 17. Class 51.
K. & W. Pharmaceuticals, Inc., San Francisco, Calif. Sedative and nervous insomnia drug. Serial No. 584,909, July 17. Class 18.
Kaylon Incorporated, New York, N. Y. Men's, women's, and children's pajamas, pajama coats etc. Serial No. 543,196, July 17. Class 39.
Kellogg, M. W., Company, The, Jersey City, N. J., and New York, N. Y. Fluorinated polymer oil. Serial No. 579,541, July 17. Class 6.
Kent, Roger, Inc., New York, N. Y. Philadelphia, Pa., New Haven, Conn., Cambridge and Boston, Mass. Men's clothing. Serial No. 604,306, July 17. Class 39.
Kimberly-Clark Corporation, Neenah, Wis. Cellulose fiber synthetic panels. Serial No. 602,809, July 17. Class 12.
Kimberly-Clark Corporation, Neenah, Wis. Paper and creped cellulose wadding. Serial No. 604,580, July 17. Class 1.
Klenzade Products, Incorporated, Beloit, Wis. Quaternary ammonium compound sanitizers. Serial No. 583,042, July 17. Class 6.
Koh-I-Noor Pencil Factory L. & C. Hardtmuth, National Corporation, Ceske Budejovice, Czechoslovakia. Office supplies. Serial No. 596,851, July 17. Class 37.
Koree, Jean U., New York, N. Y. Laxative preparation. Serial No. 605,040, July 17. Class 18.
Koree, Jean U., New York, N. Y. Concrete blocks. Serial No. 608,209, July 17. Class 12.
Korth-Jefferson, Inc., Jefferson, Wis. Short stockings or foot covers. Serial No. 592,208, July 17. Class 39.
Ladycraft Dresses, Inc., New York, N. Y. Ladies' dresses. Serial No. 585,288, July 17. Class 39.
Lally, R., Co., Evanston, Ill. Pillow ticks. Serial No. 596,428, July 17. Class 42.
Laue, Charles E., doing business as Hamilton Products, Chicago, Ill. Fountain pen desk sets. Serial No. 596,171, July 17. Class 37.
Lavic, A. C., Inc., Chicago, Ill. Men's jewelry. Serial No. 579,332, July 17. Class 28.
Leeds, Herbert R., & Co., Inc., New York, N. Y. Worsted fabrics in the piece. Serial No. 597,279, July 17. Class 42.
Lehara Sales Corporation, New York, N. Y. Covers used to cover motor generators. Serial No. 604,642, July 17. Class 50.
Lehrman, David, trading as The Ironees Company, Philadelphia, Pa. Ironing board pads and covers. Serial No. 609,687, July 17. Class 24.
Lenoir Hoisery Mills, Inc., Lenoir, N. C. Hosiery for women. Serial No. 589,902, July 17. Class 39.
Liebel-Flarsheim Company, The, Cincinnati, Ohio. X-ray timers. Serial No. 605,100, July 17. Class 26.
Lifetime Watch Company: *See*—
Hamber, M. Argent.
Lockrey, Andrew J., doing business as The Lockrey Company, College Point, N. Y. Liquid molybdenum base lubricant. Serial No. 602,463, July 17. Class 15.
Lockrey Company, The: *See*—
Lockrey, Andrew J.
Lund, C. A., Company, North St. Paul, Minn. Skis, ski poles, ski bindings, etc. Serial No. 601,743, July 17. Class 22.
Lunkenheimer Company, The, Cincinnati, Ohio. Valves. Serial No. 605,834, July 17. Class 13.
Magic-View Co., Denver, Colo. Collapsible upright support for supporting mirrors. Serial No. 556,210, July 17. Class 13.
Mann Chemical Laboratories, Inc., doing business as Leo Mann & Company, Boston, Mass. Atomizers. Serial No. 605,520, July 17. Class 44.
Mann, Leo, & Company: *See*—
Mann Chemical Laboratories, Inc.
Mark Laboratories, Inc., Pittsburgh, Pa. Germicide, fungicide and disinfectant preparations. Serial No. 579,937, July 17. Class 6.
Marshall Steel Company, Lisle, Ill. Ground tool steel. Serial Nos. 571,648–9, July 17. Class 14.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 596,599, July 17. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial Nos. 596,602–08, July 17. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 596,610, July 17. Class 18.
McGillvray, W. E., Stockton, Calif. Potatoes. Serial No. 604,209, July 17. Class 46.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazine. Serial No. 525,637, July 17. Class 38.
McKenna, Jay, G., Inc., Elkhart, Ind. Sliding door locks. Serial No. 610,792, July 17. Class 25.
McLaughlin Gormley King Company, Minneapolis, Minn. Insecticidal liquid. Serial No. 585,340, July 17. Class 6.
Medicated Products Co., doing business as Donald Bruce & Company, Chicago, Ill. Wedding rings and engagement rings. Serial No. 597,834, July 17. Class 28.
Merchants National Bank of Winona, Administrator: *See*—
Hossfeld Manufacturing Co.
Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Men's, women's, and children's hats and hat bodies. Serial No. 507,995, July 17. Class 39.
Metco Manufacturing Company, Ferndale, Mich. Children's wagons. Serial No. 580,896, July 17. Class 22.
Metropolitan Shoemakers, Inc., Chicago, Ill. Ladies' shoes. Serial No. 602,326, July 17. Class 39.
Meyerhans Produkte A. G. (Meyerhans Products Ltd.) now by change of name Meypro A. G. (Meypro S. A.) (Meypro Ltd.), Weinfelden, Switzerland. Vegetable products used as emulsifying medium. Serial No. 576,344, July 17. Class 6.
Meyers, Maxwell, Inc., San Antonio, Tex. Musical instruments. Serial No. 552,473, July 17. Class 36.
Meypro, A. G. (Meypro S. A.) (Meypro Ltd.): *See*—
Meyerhans Produkte A. G. (Meyerhans Products Ltd.).
Middlebrooke Lancaster, Inc., New York, N. Y. Toilet soap. Serial No. 519,284, July 17. Class 52.
Miller, Ethel B., doing business as Millock, Elizabethton, Tenn. Medicinal preparation. Serial No. 606,228, July 17. Class 18.
Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' and girls' shoes. Serial No. 604,211, July 17. Class 39.
Miller, Roe, Dental Laboratory: *See*—
Miller, Roland M.
Miller, Roland M., doing business as Roe Miller Dental Laboratory, Cleveland, Ohio. Dentures, dental plates and bridges. Serial No. 576,007, July 17. Class 44.
Millers Forge Mfg. Corp., New York, N. Y. Toilet tweezers. Serial No. 593,808, July 17. Class 44.
Millers Forge Mfg. Corp., New York, N. Y. Nail files, tweezers, cuticle scissors, etc. Serial No. 599,109, July 17. Class 44.
Millock: *See*—
Miller, Ethel B.
Mineral Feeds, Inc., Minneapolis, Minn. Preparation of minerals and vitamins. Serial No. 583,940, July 17. Class 18.
Molly Enterprises: *See*—
Suich, D. Mary.
Monfield Corporation, New York, N. Y. Tops of the bandalore type. Serial No. 595,672, July 17. Class 22.
Monsanto Chemical Company, St. Louis, Mo. Wood flour, soya bean flour and silica sols. Serial No. 556,903, July 17. Class 1.
Monsanto Chemical Company, St. Louis, Mo. Herbicides, fungicides and insecticides. Serial No. 585,028, July 17. Class 6.
Montag Brothers, Inc., Atlanta, Ga. Writing paper. Serial No. 519,680, July 17. Class 37.
Morse Sewing Machine and Supply Corp., New York, N. Y. Sewing machines. Serial No. 607,259, July 17. Class 23.
Myerson Tooth Corporation, Cambridge, Mass. Artificial teeth. Serial No. 605,112, July 17. Class 44.
Nestle-Le Mur Company, The, South Meriden, Conn. Preparations for use in the treatment of the hair. Serial No. 573,194, July 17. Class 51.
Nichols Wire and Aluminum Co., Davenport, Iowa. Aluminum foil. Serial No. 583,610, July 17. Class 14.
Norman Chemical Company, St. Paul, Minn. Chemical additive for fuel oil. Serial No. 603,593, July 17. Class 15.
Northam Warren Corporation, Stamford, Conn. Manicure sets. Serial No. 600,363, July 17. Class 44.
Northrop Aircraft, Inc., Hawthorne, Calif. Gas filled cold cathode glow tubes. Serial No. 609,984, July 17. Class 21.
Northwood Fur Farms, Cary, Ill. Mink pelts and live minks. Serial No. 598,383, July 17. Class 1.
Nutrition Enterprises, Chicago, Ill. Multiple vitamin preparation. Serial No. 598,749, July 17. Class 18.
Nutrition Research Laboratories, Inc., Chicago, Ill. Pharmaceutical preparation. Serial No. 606,082, July 17. Class 18.
Oppenheim, Collins & Co. Inc., Wilmington, Del., Brooklyn, Buffalo, Garden City, and White Plains, N. Y., and East Orange and Morristown, N. J., and Philadelphia, Pa. Women's and misses' shoes. Serial No. 549,394, July 17. Class 39.
Orr, Louis T., Jr., Chicago, Ill. Rifles, shotguns, pistols, revolvers. Serial No. 592,333, July 17. Class 9.

Outboard, Marine and Manufacturing Company, Waukegan, Ill. Internal-combustion-engine-powered outboard motors and parts. Serial No. 546,418, July 17. Class 23.
Outboard, Marine and Manufacturing Company, Waukegan, Ill. Internal-combustion-engine-powered outboard motors and parts. Serial No. 546,423, July 17. Class 23.
Owen Drug Co., Salisbury, N. C. Mentholated-creosoted preparation. Serial No. 583,283, July 17. Class 18.
Owens-Corning Fiberglas Corporation, Toledo, Ohio. Mats, bats, and sheets of fibrous material. Serial No. 579,379, July 17. Class 12.
P. R. Distilling Co.: *See*—
Puerto Rico Distilling Company.
P. & W. Chemical Co., The, Palmyra, Pa. Preparation for the treatment of fungus infection. Serial No. 604,860, July 17. Class 18.
Page-Whitehurst Co., Borger, Tex. Potato chips. Serial No. 606,083, July 17. Class 46.
Paine & Williams Company, The, Cleveland, Ohio. Flexible rubber mats. Serial No. 598,103, July 17. Class 50.
Palmer, Mabel, Vineburg, Calif. Animal figures and miniature pins in the nature of insignia. Serial No. 485,830, July 17. Class 50.
Parfums Corday, Inc., New York, N. Y. Perfume. Serial No. 593,365, July 17. Class 51.
Patek & Co., San Francisco, Calif. Sizing for the treatment of fabrics. Serial No. 578,461, July 17. Class 6.
Patek and Co., San Francisco, Calif. Spot remover. Serial No. 588,320, July 17. Class 52.
Patten, Lee, Seed Company, Jersey City, N. J. Lawn seed mixture. Serial Nos. 599,005–6, July 17. Class 1.
Peerless Steel Company, New York and Maspeth, N. Y. Chains, chain hooks, and chain load binders. Serial No. 606,045, July 17. Class 13.
Penick & Ford, Ltd., Incorporated, New York, N. Y. Table syrup. Serial No. 603,305, July 17. Class 46.
Peninsula Products Corporation, Detroit, Mich. Lawn mowers. Serial No. 582,319, July 17. Class 23.
Pennbrook Ice Cream Company, Philadelphia, Pa. Water ice or sherbert frozen on a stick. Serial No. 581,438, July 17. Class 46.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Detergent. Serial No. 575,291, July 17. Class 52.
Persch, Pierce W., Sharon, Pa. Bleaching solution. Serial No. 583,944, July 17. Class 6.
Peter Pan Foundations, Inc., New York, N. Y. Brassières. Serial No. 605,762, July 17. Class 39.
Petroleum Engineer Publishing Company, The, Dallas, Tex. Magazines. Serial No. 591,104, July 17. Class 38.
Phillips Manufacturing Co., Chicago, Ill. Degreasing compounds. Serial No. 574,859, July 17. Class 52.
Phyllis Shoe Company, Inc., Lowell, Mass. Ladies' and children's shoes. Serial No. 597,457, July 17. Class 39.
Physicians and Hospitals Supply Company, Inc., Minneapolis, Minn., doing business under the name of Ulmer Pharmacal Company. Detergent preparation. Serial No. 596,188, July 17. Class 52.
Plough, Inc., Memphis, Tenn. Compound for treating stomach distress, etc. Serial No. 597,780, July 17. Class 18.
Plymouth Undergarment Co., New York, N. Y. Women's undergarments. Serial No. 605,764, July 17. Class 39.
Polyplastex United, Inc., Elmhurst, N. Y. Sheets of composite fabrics. Serial No. 563,214, July 17. Class 1.
Power Ball Oil Company, Inc., Columbia, S. C. Additive for lubricating oils. Serial No. 603,418, July 17. Class 15.
Powers, Alice L. B., Larchmont, N. Y. Lingerie ribbon retainers. Serial No. 602,420, July 17. Class 40.
Pow'r Pak Manufacturing Company, San Francisco, Calif. Liquid fuel oil additive. Serial No. 590,834, July 17. Class 15.
Pratt, Read & Company, Incorporated, Ivoryton, Conn. Piano actions, piano keys, and piano plates. Serial No. 558,509, July 17. Class 36.
Press Wireless, Inc., New York, N. Y. Radio receiving apparatus. Serial No. 584,922, July 17. Class 21.
Price Candy Company, Kansas City, Mo. Candy. Serial No. 595,851, July 17. Class 46.
Protective Papers, Inc., Elgin and Union, Ill. Waterproof paper rolls, greaseproof paper rolls, reinforced paper stock, etc. Serial No. 537,355, July 17. Class 37.
Protective Papers, Inc., Elgin and Union, Ill. Waterproof paper rolls, greaseproof paper rolls, reinforced paper stock, etc. Serial No. 537,358, July 17. Class 37.
Protecto Products Co. Inc., Pomona, Calif. Paper toilet seat covers, paper garment hanger covers, paper garment protectors, etc. Serial No. 576,228, July 17. Class 37.
Puerto Rico Distilling Co.: *See*—
Puerto Rico Distilling Company.
Puerto Rico Distilling Company, sometimes trading as Puerto Rico Distilling Co., and P. R. Distilling Co., Arecibo, P. R. Denatured alcohol. Serial Nos. 584,180–1, July 17. Class 6.
Pure Oil Company, The, Chicago, Ill. Motor lubricating oil. Serial No. 601,510, July 17. Class 15.
Puritan Company, Incorporated, Rochester, N. Y. Hand cleaning compound. Serial No. 590,779, July 17. Class 52.
Quartararo, A. Ned, Brooklyn, N. Y. Frozen sea foods. Serial No. 587,818, July 17. Class 46.
Radelle Lingerie Corporation, Long Island City, N. Y. Women's slips, petticoats, and nightgowns. Serial No. 602,971, July 17. Class 39.
Radio Materials Corporation, Chicago, Ill. Condensers. Serial No. 609,665, July 17. Class 21.
Randall Fuel Company Incorporated, Atlanta, Ga. Coal. Serial No. 602,629, July 17. Class 1.
Randolph Manufacturing Company, Incorporated, Randolph, Mass. Canvas and rubber footwear. Serial No. 602,972, July 17. Class 39.
Raymond Laboratories, Inc., St. Paul, Minn. Preparations for the treatment of hair. Serial No. 598,038, July 17. Class 52.
Refiners Lubricating Company: *See*—
Attapulgus Clay Company.
Reichhold Chemicals, Inc., Detroit, Mich. Soya bean glue. Serial No. 604,447, July 17. Class 5.
Reyes, Thomas C., doing business as Eagle Tops Mfg. Co., Compton, Calif. Tops. Serial No. 603,460, July 17. Class 22.
Riccomagno, Guglielmo, Milan, Italy. Illuminating apparatus. Serial No. 583,120, July 17. Class 21.
Robertson Manufacturing Company, Morrisville, Pa. Wall tile. Serial No. 572,924, July 17. Class 12.
Robins, A. H., Company, Inc., Richmond, Va. Antispasmodic preparation. Serial No. 602,634, July 17. Class 18.
Robins, A. H., Company, Inc., Richmond, Va. Antacid preparation. Serial No. 602,635, July 17. Class 18.
Robnett, E. V. Jr., Austin, Tex. Governors for internal combustion engines. Serial No. 596,120, July 17. Class 23.
Rodman, S., Sons, New York, N. Y. Watches, clocks and parts thereof, etc. Serial No. 604,232, July 17. Class 27.
Rossilyn Engineering Supplies Limited, Twickenham, England. Files (being tools). Serial No. 600,980, July 17. Class 23.
Roxbury Chemical Works, Inc., Fall River, Mass., and Centredale, R. I. Liquid anti-static agent. Serial No. 604,550, July 17. Class 6.
Sahlein, J. M., Music Company: *See*—
Sahlein, Jules M.
Sahlein, Jules M., doing business under the trade name of J. M. Sahlein Music Company, San Francisco, Calif. Ukuleles, banjo ukuleles, tenor guitars, etc. Serial No. 591,956, July 17. Class 36.
St. Paul & Tacoma Lumber Co., Tacoma, Wash. Wood shingles. Serial No. 602,858, July 17. Class 12.
Samuel, Charles A., assignor to Sav-A-Life Corporation, Oak Park, Ill. Brake parts. Serial No. 568,452, July 17. Class 23.
Sandusky Foundry & Machine Co., Sandusky, Ohio. Centrifugal castings. Serial No. 604,393, July 17. Class 14.
Sanford Ink Company, Bellwood, Ill. Fluid ink eradicator. Serial No. 586,822, July 17. Class 52.
Saps Bakery: *See*—
Essex, Philip R.
Sap's Bakery: *See*—
Essex, Philip R.
Sav-A-Life Corporation: *See*—
Samuel, Charles A.
Sawyer, Lester T., doing business under the name and style of HyCrest Farms, Sterling, Mass. Vaginal speculums. Serial No. 605,176, July 17. Class 44.
Schaeffer, Joseph, Brattleboro, Vt. Cosmetic preparations. Serial No. 603,083, July 17. Class 51.
Schole Industries, Brooklyn, N. Y. Spark plug adapters. Serial No. 602,641, July 17. Class 21.
Sears, Roebuck & Co., Chicago, Ill. Fountain pens and automatic pencils. Serial No. 544,774, July 17. Class 37.
Seydel-Woolley & Comapny, Atlanta, Ga. Cutting oils. Serial No. 602,220, July 17. Class 15.
Shanahan, Edward J., Brooklyn, N. Y. Painting knives. Serial No. 576,138, July 17. Class 23.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial suspension. Serial No. 599,126, July 17. Class 18.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Anthelmintic preparation. Serial No. 600,231, July 17. Class 18.
Shillito, John, Company: *See*—
Federated Department Stores, Inc.
Shoe Corporation of America, Columbus, Ohio. Men's, women's and children's shoes. Serial No. 571,669, July 17. Class 39.
Sklenar, Wenzeslaw F., Berwyn, Ill. Gas, oil or coke-fired metallurgical furnaces. Serial No. 544,625, July 17. Class 34.
Sneex, Inc., Columbus, Ohio. Salted edible food product. Serial No. 604,707, July 17. Class 46.
Société Alsacienne de Constructions Mécaniques, Société Anonyme, Mulhouse, Haut-Rhin, France. Carding and combing machines. Serial No. 591,650, July 17. Class 23.
Société Anonyme de Terres Décolorantes Francaises Franterre, Paris, France. Clays, coal, absorbent and adsorbent decolorizing earths, etc. Serial No. 558,948, July 17. Class 1.

Society Brand Clothes, Inc., Chicago, Ill. Men's suits, topcoats and overcoats. Serial No. 537,368, July 17. Class 39.
Sorem, Bert, doing business as The Energy Food Supplement Co., Clay Center, Kans. Dietary food supplement. Serial No. 607,146, July 17. Class 18.
Stalfort, John C., & Sons, Inc., Baltimore, Md. Solid, powdered, and liquid cleaners. Serial No. 588,402, July 17. Class 52.
Stamford Chemical Company, Stamford, Conn. Dry cleaning detergents. Serial No. 596,206, July 17. Class 52.
Standard Cap and Seal Corporation, Chicago, Ill. Coated paper. Serial No. 586,437, July 17. Class 37.
Standard Insulation Company, East Rutherford, N. J. Paper board lacquered or varnished. Serial No. 604,108, July 17. Class 1.
Stoll, Ernest C., doing business as The Canas-Tab Company, Kalamazoo, Mich. Peg type abacus. Serial No. 603,606, July 17. Class 22.
Suffolk Peanut Company, The, Suffolk, Va. Raw unshelled peanuts. Serial No. 605,379, July 17. Class 46.
Suich, D. Mary, doing business as Molly Enterprises, Altadena, Calif. Holder for baby nursing bottle. Serial No. 602,576, July 17. Class 44.
Sun Rubber Company, The, Barberton, Ohio. Teething instruments. Serial No. 597,638, July 17. Class 44.
Sun Rubber Company, The, Barberton, Ohio. Quick seal bottle stoppers, utility floor mats, etc. Serial No. 597,639, July 17. Class 50.
Syracuse Ornamental Co., Inc., Syracuse, N. Y. Memo pads, desk calendars, paper weights, etc. Serial No. 538,826, July 17. Class 37.
Texas Company, The, New York, N. Y. Wax acids. Serial No. 590,918, July 17. Class 6.
Thomas Company, The, Minneapolis, Minn. Non-oily, lacquer-like protective coating. Serial No. 586,775, July 17. Class 16.
Tillstrom, F. Burr, Chicago, Ill. Periodical publication. Serial Nos. 603,866–7, July 17. Class 38.
Timken Roller Bearing Company, The, Canton, Ohio. Lightweight reciprocating metal parts. Serial No. 563,829, July 17. Class 23.
Timken Roller Bearing Company, The, Canton, Ohio. Steel and alloy steel. Serial No. 604,870, July 17. Class 14.
Trachtenbergs, Washington, D. C. Blouses, skirts, dresses, etc. Serial No. 602,175, July 17. Class 39.
Ulmer Pharmacal Company: *See*—
Physicians And Hospitals Supply Company, Inc.
Undertakers Supply Co., Chicago, Ill. Deodorant, disinfectant and mold preventative. Serial No. 604,752, July 17. Class 6.
Undertakers Supply Co., Chicago, Ill. Deodorant and tissue sealer. Serial No. 604,753, July 17. Class 6.
United American Metals Corporation, Brooklyn, N. Y. Babbitt metal. Serial No. 565,978, July 17. Class 14.
United Piece Dye Works, The, Lodi, N. J. Fabrics in the piece. Serial No. 591,124, July 17. Class 42.
United Piece Dye Works, The, Lodi, N. J. Fabrics in the piece. Serial No. 591,126, July 17. Class 42.
United Piece Dye Works, The, Lodi, N. J. Fabrics in the piece. Serial No. 591,128, July 17. Class 42.
U. S. Chemical & Supply Co., Kansas City, Mo. Liquid preparation for sealing gaskets. Serial No. 582,868, July 17. Class 5.
U. S. Chemical & Supply Co., Kansas City, Mo. Liquid metal polish. Serial No. 582,871, July 17. Class 4.
U. S. Government Advertiser, Inc., Washington, D. C. Journal. Serial No. 579,361, July 17. Class 38.
United States Gypsum Company, Chicago, Ill. Expanded metal in sheet form. Serial Nos. 570,069–70, July 17. Class 14.
United States Steel Corporation, New York, N. Y. Fertilizers. Serial No. 588,241, July 17. Class 10.
United States Steel Corporation, New York, N. Y. Steel bars, bar mill shapes, castings, etc. Serial No. 588,244, July 17. Class 14.
Vacuum Cooling Co., San Francisco, Calif. Pre-cooling of food produce. Serial No. 582,508, July 17. Class 106
Vernon-Benshoff Company, Pittsburgh, Pa. Plastic fabric for reinforcing a fabric material for fabrication into orthopedic appliances. Serial No. 604,405, July 17. Class 44.
Vernon-Benshoff Company, Pittsburgh, Pa. Quick-setting molding material. Serial No. 604,407, July 17. Class 44.
Vest, Peter, Sales Corporation, New York, N. Y. Eyebrow pencils, eye shadow, cream rouge, etc. Serial No. 602,587, July 17. Class 51.
Vitaminerals, Inc., Glendale, Calif. Personal deodorants. Serial No. 604,998, July 17. Class 18.
Vitmora Company, The: *See*—
Guy, Ralph I.
Wallace, R., & Sons Manufacturing Company, Wallingford, Conn. Sterling silver hollowware. Serial No. 602,008, July 17. Class 28.
Walter, R. C., & Sons, Exeter, Calif. Fresh grapes. Serial No. 605,338, July 17. Class 46.
Ward Leonard Electric Company, Mount Vernon, N. Y. Electric lighting control apparatus. Serial No. 598,820, July 17. Class 21.
Washington Fish & Oyster Co., Inc., Seattle, Wash. Canned salmon. Serial No. 552,824, July 17. Class 46.
Wayne Garment Company, Forest City, Pa. Children's ski and snow suits. Serial No. 558,607, July 17. Class 39.
Weather-Wise Windows, Incorporated, Alliance, Ohio. Storm windows and doors. Serial No. 602,656, July 17. Class 12.
Weinreich Brothers Company, New York, N. Y. Jewelry clips. Serial No. 592,959, July 17. Class 28.
Weinreich Brothers Company, New York, N. Y. Jewelry findings. Serial No. 599,294, July 17. Class 28.
Wells Manufacturing Corporation, Three Rivers, Mich. Metal band saw machines. Serial No. 590,205, July 17. Class 23.
Wenzel, H., Tent & Duck Co., St. Louis, Mo. Fire resistant tarpaulins and tents. Serial No. 583,628, July 17. Class 50.
Wenzel, H., Tent & Duck Co., St. Louis, Mo. Water repellent tarpaulins and tents. Serial No. 583,629, July 17. Class 50.
Werk, M., Company, The, St. Bernard, Ohio. Soap. Serial No. 587,372, July 17. Class 52.
Western Pharmacal Company, Salt Lake City, Utah. Lotion for prevention of sunburn. Serial No. 602,075, July 17. Class 51.
Whipple Bros., Inc., Laceyville, Pa. Acoustical, sound absorbing and sound quieting materials. Serial No. 585,036, July 17. Class 12.
White, John, Footwear Limited, Higham Ferrers, Northamptonshire, England. Men's and youths' boots, shoes, and slippers. Serial No. 600,238, July 17. Class 39.
White-Washburne Company, Inc., Hinsdale, N. H. All kinds of toilet tissue, paper napkins and paper towels. Serial No. 593,453, July 17. Class 37.
Wilbert Products Co., Inc., The, New York, N. Y. Self-polishing floor wax. Serial No. 599,404, July 17. Class 4.
Wilde, T. E., & Son, Inc., Sacramento, Calif. Peeled raw potatoes. Serial No. 568,475, July 17. Class 46.
Winsted Hardware Manufacturing Company, The, Winsted, Conn. Electric irons. Serial No. 608,582, July 17. Class 21.
Woodward, Albert Y., doing business as Custom Furniture Finishers Guild, Washington, D. C. Furniture polish. Serial No. 600,559, July 17. Class 4.
Wright-Batchelder Corporation, Boston, Mass. Shoe welts. Serial No. 603,324, July 17. Class 39.
Wyeth Incorporated, Philadelphia, Pa. Kaolin in alumina gel with pectin, for medicinal purposes. Serial No. 607,612, July 17. Class 18.
"X" Laboratories, Inc., New York, N. Y. Preparation for cleaning automobile bodies. Serial No. 581,749, July 17. Class 52.
York, Bertrand L., Piedmont, Calif. Frozen confections on a stick. Serial No. 602,238, July 17. Class 46.
Yorkville Paper Co., Inc., New York, N. Y. Aluminum wrapping material. Serial No. 589,357, July 17. Class 14.
Zimmerman Associates, Guilford College, N. C. Textile chemical specialty. Serial No. 584,561, July 17. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A. & J. Mfg. Co., Chicago, Ill. Camphor crystals. 545,327, July 17; Serial No. 600,802, published May 1, 1951. Class 6.

Abbott Laboratories, North Chicago, Ill. Injectable enzyme preparation. 545,289, July 17; Serial No. 599,141, published Apr. 17, 1951. Class 18.

Acra Company, The, Baltimore, Md. Philatelic accessories. 545,046, July 17; Serial No. 543,255, published Apr. 10, 1951. Class 26.

Adams, Paul L., doing business as Toughbuoy Co., Dubuque, Iowa. Floats for valves. 545,163, July 17; Serial No. 585,046, published Apr. 24, 1951. Class 13.

Admiral Controls, Inc., Los Angeles, Calif. Electrically operated garbage disposal units. 545,356, July 17; Serial No. 603,141, published Apr. 17, 1951. Class 21.

Alms Chocolated Pharmaceuticals, Inc., Brooklyn, N. Y. Chocolated sulfadiazine. 545,303, July 17; Serial No. 599,685, published Apr. 17, 1951. Class 18.

Aktiebolaget Bofors, Bofors, Sweden. Explosives, safety explosives for mines, gaseous explosives, etc. 545,223, July 17; Serial No. 594,350, published Feb. 20, 1951. Class 9.

Aktiebolaget Sveriges Forenade Konservfabriker, Goteborg, Sweden. Canned fish. 545,275, July 17; Serial No. 598,447, published Apr. 24, 1951. Class 46.

Alamac Knitting Mills, Inc., New York, N. Y. Combined shirt and towel and bath robe and towel. 545,223, July 17; Serial No. 594,009, published Apr. 17, 1951. Class 39.

Alexander, Carl Z., Madison, N. J. Steam and hot water boilers. 545,082, July 17; Serial No. 564,982, published May 1, 1951. Class 34.

Allied Chemical & Dye Corporation, New York, N. Y. Aerosol insecticidal compositions. 545,311, July 17; Serial No. 600,013, published Apr. 10, 1951. Class 6.

Allied Cloth Specialists, Inc., Greenville, Ohio. Wearing apparel. 545,221, July 17; Serial No. 593,520, published Apr. 3, 1951. Class 39.

Allied Litho Supply Co.: *See*—
Ebersole, Benjamin S.

American District Steam Company, Inc., North Tonawanda, N. Y. Water heaters. 545,350, July 17; Serial No. 602,879, published May 1, 1951. Class 34.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard rubber separators. 545,345, July 17; Serial No. 602,014, published Apr. 17, 1951. Class 21.

American Hardware Corporation, The, New Britain, Conn. Mechanically operated door-bells, door-knobs, door-knockers, etc. 545,387, July 17; Serial No. 561,415. Class 13.

American Home Foods, Inc., New York, N. Y. Coffee concentrate. 545,261, July 17; Serial No. 597,807, published Mar. 27, 1951. Class 46.

American Lava Corporation, Chattanooga, Tenn. Insulators. 545,058, July 17; Serial No. 553,662, published Oct. 25, 1949. Class 21.

American Luggage Works Inc., Providence, R. I. Train cases, cosmetic cases, round hat cases, etc. 545,194, July 17; Serial No. 590,574, published Apr. 10, 1951. Class 3.

American Mercantile Company: *See*—
Klein, William.

American Optical Company, Southbridge, Mass. Ophthalmic frames and mountings. 545,079, July 17; Serial No. 564,364, published Apr. 10, 1951. Class 26.

American Potash & Chemical Corporation, New York, N. Y. Borates in crystallin, granular and powdered form. 545,294, July 17; Serial No. 599,411, published Apr. 24, 1951. Class 6.

American Tobacco Company, The, New York, N. Y. Place cards, decorative cards, cut-out cards, etc. 282,832, renewed May 5, 1951. O. G. July 17. Class 38.

Amurol Products Co., Chicago, Ill. Chewing gum. 545,249, July 17; Serial No. 597,313, published Mar. 20, 1951. Class 46.

Aquafine Co.: *See*—
Smith, Floyd I.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Hair waving lotion and neutralizer. 545,413, July 17; Serial No. 600,874. Class 51.

Arizona Dawn Gardens, Phoenix, Ariz. Fresh grapes. 545,106, July 17; Serial No. 572,710, published Apr. 17, 1951. Class 46.

Arkansas Company, Inc., Newark, N. J. Chemical compositions. 545,405, July 17; Serial No. 591,272. Class 6.

Armour and Company, Chicago, Ill. Adrenocorticotropic composition. 545,296, July 17; Serial No. 599,547, published Apr. 10, 1951. Class 18.

Aron, J., & Company, Inc., New Orleans, La. Green coffee. 545,110, July 17; Serial No. 573,820, published Mar. 27, 1951. Class 46.

Atkins, E. C., and Company, Indianapolis, Ind. Cutter blades for rotary cutter heads. 283,211, renewed May 19, 1951. O. G. July 17. Class 23.

Atkins, E. C., and Company, Indianapolis, Ind. Hack-saw blades. 282,865, renewed May 5, 1951. O. G. July 17. Class 23.

Atlas Supply Company, Newark, N. J. Pedal pads. 545,069, July 17; Serial No. 560,374, published Apr. 10, 1951. Class 19.

Auerbach Bath Robe Corp., New York, N. Y. Lounging robes, pullman robes, beach robes, etc. 545,404, July 17; Serial No. 590,776. Class 39.

Avco Manufacturing Corporation, Cincinnati, Ohio. Drawers for cabinets. 545,244, July 17; Serial No. 596,895, published Apr. 10, 1951. Class 32.

Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Steroid substances. 545,224, July 17; Serial No. 594,092, published Apr. 3, 1951. Class 18.

Balin Export Company, Inc., New York, N. Y. Sewing machines. 545,285, July 17; Serial No. 598,780, published Apr. 24, 1951. Class 23.

Bangerter, Henri, Reconvilier, Switzerland. Watches and watch movements. 545,203, July 17; Serial No. 590,877, published Apr. 24, 1951. Class 27.

Banthrico Industries, Inc., Chicago, Ill. Toy children's savings bank. 545,408, July 17; Serial No. 593,325. Class 22.

Basic Food Materials, Inc., Vermilion, Ohio. Pork sausage seasoning. 545,271, July 17; Serial No. 598,147, published Apr. 24, 1951. Class 46.

Bates Manufacturing Company, Lewiston, Maine. Cotton piece goods. 545,351, July 17; Serial No. 602,883, published Apr. 17, 1951. Class 42.

Baw Industries, Champaign, Ill. Poultry litter. 545,378, July 17; Serial No. 598,880. Class 1.

Baxter Laboratories, Inc., Morton Grove, Ill. Non-protein bacterial pyrogen. 545,262, July 17; Serial No. 597,810, published Apr. 10, 1951. Class 18.

Bellaire Enamel Company, The, Bellaire, Ohio. Enameled metal containers. 545,118, July 17; Serial No. 576,440, published Oct. 3, 1950. Class 13.

Belmont International, Inc., New York, N. Y. Men's and women's watches. 545,193, July 17; Serial No. 590,417, published Apr. 24, 1951. Class 27.

Bemis Bro. Bag Company, St. Louis, Mo. Paper bags. 545,119, July 17; Serial No. 576,508, published Apr. 24, 1951. Class 2.

Benjamin Electric Manufacturing Company, Des Plaines, Ill. Reflectors and reflector hoods for electric lights. 545,029, July 17; Serial No. 523,736, published Apr. 24, 1951. Class 21.

Bennett Pumps Corporation, to John Wood Company, Muskegon Heights, Mich. Portable liquid dispensing apparatus. 285,452, renewed July 28, 1951. O. G. July 17. Class 26.

Benwall Mfg. Co. Inc., Brooklyn, N. Y. Cover assemblies for the rolls of laundry ironing machines, etc. 545,355, July 17; Serial No. 603,105, published May 1, 1951. Class 24.

Best & Co., New York, N. Y. Men's, women's, and children's hats, caps, shoes. 287,273, renewed Sept. 15, 1951. O. G. July 17. Class 39.

Bijur Lubricating Corporation, Long Island City, N. Y. Copper and brass tubing, flap valves, etc. 545,031, July 17; Serial No. 526,190, published Apr. 24, 1951. Class 13.

Billings & Spencer Co., The, Hartford, Conn. Display racks and stands. 545,151, July 17; Serial No. 583,237, published Apr. 24, 1951. Class 32.

Blake & Johnson Company, The, Waterbury and Waterville, Conn. Wood screws and sheet metal screws. 545,107, July 17; Serial No. 573,612, published Apr. 10, 1951. Class 13.

Botany Mills, Inc., Passaic, N. J. Wool protein for use in ice cream. 545,168, July 17; Serial No. 586,585, published Apr. 10, 1951. Class 46.

Branigan, Green & Company, Baltimore, Md. Men's, women's, and children's drawers, middy blouses, pajamas, etc. 281,944, Apr. 7, 1931. Republished July 17. Class 39.

Breuer Electric Mfg. Co., Chicago, Ill. Portable electrically driven cleaning blowers, suction cleaners and sprayers. 545,349, July 17; Serial No. 602,796, published Apr. 17, 1951. Class 21.

Bristol Laboratories Inc., Syracuse, N. Y. Medicinal dust inhaler. 545,108, July 17; Serial No. 573,613, published Apr. 10, 1951. Class 18.

Brown, Hoke S., doing business under the name The Mysan Co., Macon, Ga. Preparation for the relief of athelete's foot, ringworm, toe itch, etc. 545,173, July 17; Serial No. 587,313, published Apr. 17, 1951. Class 18.

Brown, Hoke S., doing business under the name The Mysan Co., Macon, Ga. Preparation for coughs. 545,174, July 17; Serial No. 587,314, published Apr. 17, 1951. Class 18.

Brown & Williamson Tobacco Corporation, Louisville, Ky., to Peter J. Schweitzer, Inc., New York, N. Y. Cigarette paper and cigarette paper booklets. 285,486, renewed July 28, 1951. O. G. July 17. Class 8.

Bryn & Halden Taendstikfabrikker Aktieselskab: *See*—
Haldens Taendstikfabrik.

Buffington's, Incorporated, Worcester, Mass. Injectable, medicinal preparation. 545,167, July 17; Serial No. 586,449, published Apr. 17, 1951. Class 18.

Bundle Company, The: *See*—
Madison, Gerald C.

Burlington Mills Corporation, Greensboro, N. C. Rayon fabrics in the piece. 545,352, July 17; Serial No. 602,927, published Apr. 17, 1951. Class 42.

Butler, Edgar M., doing business as Butler Engineering Company, New Orleans, La. Self-energizing galvanic couple. 545,028, July 17; Serial No. 520,548, published Apr. 24, 1951. Class 21.

Butler Engineering Company: *See*—
Butler, Edgar M.

Butler, Fred W., Company: *See*—
Maybaum, John L.

Capskar, Inc., New York, N. Y. Solution for treating nylon stockings. 545,152, July 17; Serial No. 583,329, published Apr. 24, 1951. Class 6.

Carand Corporation, Racine, Wis. Adhesive tape remover. 545,176, July 17; Serial No. 588,201, published Apr. 24, 1951. Class 6.

Carltona Co., Inc., The, New York, N. Y. Children's apparel. 545,214, July 17; Serial No. 592,870, published Apr. 3, 1951. Class 39.

Celanese Corporation of America, New York, N. Y. Formaldehyde. 545,328, July 17; Serial No. 600,813, published May 1, 1951. Class 6.

Cellowax Company, The: *See*—
Milwaukee Lubricants Co.

Century Manufacturing Company, Newark, N. J. Collapsible and portable beach shelters. 545,415, July 17; Serial No. 601,775. Class 50.

Champion Pants Mfg. Co., Inc., New York, N. Y. Slacks. 545,114, July 17; Serial No. 575,192, published Apr. 3, 1951. Class 39.

Chanel, Inc., New York, N. Y. Perfume. 281,064, renewed Mar. 10, 1951. O. G. July 17. Class 51.

Chapman, Earle F., doing business as Chapman Manufacturing Company, South Braintree, Mass. Electrical decorative portable table lamps and shades therefor. 545,180, July 17; Serial No. 588,677, published Apr. 17, 1951. Class 21.

Chapman Manufacturing Company: *See*—
Chapman, Earle F.

Chicago Electric Manufacturing Company, Chicago, Ill. Electric laundry washers and portable laundry wringers. 545,034, July 17; Serial No. 529,357, published May 1, 1951. Class 24.

Chicago Electric Manufacturing Company, Chicago, Ill. Electric laundry washers and portable laundry wringers. 545,035, July 17; Serial No. 529,359, published May 1, 1951. Class 24.

Chicago Specialty Manufacturing Company, Chicago, Ill. Pipe joint compound in stick form. 545,395, July 17; Serial No. 577,515. Class 12.

Chicago Towel Company, Chicago, Ill. Toilet tissue dispensers. 545,338, July 17; Serial No. 601,094, published Apr. 24, 1951. Class 13.

Chipman Chemical Company, Inc., Bound Brook, N. J. Agricultural insecticides and fungicides. 545,041, July 17; Serial No. 536,767, published Aug. 24, 1948. Class 6.

Chippewa Herb Medicine Co.: *See*—
Coon, Raymond E.

Chocolate Man, Inc., The, New York, N. Y. Candies. 438,972, May 25, 1948. Canceled June 15, 1951. O. G. July 17. Class 46.

Church, C. F., Mfg. Co., Chicopee, Mass. Toilet seats. 545,382, July 17; Serial No. 551,948. Class 13.

Clifton Manufacturing Company, Waco, Tex. Venetian blinds. 545,023, July 17; Serial No. 497,454, published Apr. 24, 1951. Class 32.

Cluett, Peabody & Co., Inc., Troy, N. Y. Woolen blankets. 545,347, July 17; Serial No. 602,677, published Apr. 17, 1951. Class 42.

Coast Fishing Co., Wilmington, by Pan Pacific Fisheries, Inc., Terminal Island, Calif. Canned fish. 262,241, Oct. 1, 1929. Republished July 17. Class 46.

Coleman and Bell Company, The, Norwood and Norwood, Cincinnati, Ohio. Paraffine wax. 545,228, July 17; Serial No. 595,246, published Apr. 17, 1951. Class 6.

Coleman Company, Inc., The, Wichita, Kans. Vapor or gas generating pressure lamps; vapor, gas and oil lanterns, etc. 545,049, July 17; Serial No. 545,957, published Apr. 24, 1951. Class 34.

Colonial Provision Co., Inc., Boston, Mass. Pressed luncheon sausage, salami, minced luncheon sausage, etc. 545,133, July 17; Serial No. 579,668, published Apr. 17, 1951. Class 46.

Colonial Provision Co., Inc., Boston, Mass. Skinless frankfurts, smoked pork shoulder butts, etc. 545,134, July 17; Serial No. 579,669, published Apr. 17, 1951. Class 46.

Colorado Milling & Elevator Co., The, Denver, Colo., and elsewhere, doing business as The Pocatello Flour Mills, Pocatello, Idaho. Wheat flour. 545,054, Juy 17; Serial No. 551,541, published Apr. 17, 1951. Class 46.

Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. 545,366, July 17; Serial No. 545,083, published Apr. 17, 1951. Class 104.

Commercial Importing Co., Seattle, Wash. Coffee and tea. 545,045, July 17; Serial No. 540,524, published Apr. 17, 1951. Class 46.

Commercial Solvents Corporation: *See*—
Rossville Commercial Alcohol Corporation.

Commercial Solvents Corporation, New York, N. Y. Glucuronolactone composition. 545,166, July 17; Serial No. 586,142, published Apr. 17, 1951. Class 18.

Cones, Ben, doing business under the name and style of Jet Air Cones System, Indianapolis, Ind. Air induction and diffusion nozzles; air ducts; and duct dampers, etc. 545,149, July 17; Serial No. 582,601, published Apr. 24, 1951. Class 34.

Confections, Inc., Chicago, Ill. Seasoned popcorn. 545,070, July 17; Serial No. 561,885, published Mar. 27, 1951. Class 46.

Consolidated Western Steel Corporation, Los Angeles, Calif. Gas and oil separators. 545,287, July 17; Serial No. 599,083, published Apr. 24, 1951. Class 13.

Coon, Raymond E., doing business as Chippewa Herb Medicine Co., Bay City, Mich. Packaged herbs for use as a medicine. 545,076, July 17; Serial No. 563,396, published May 1, 1951. Class 18.

Cornell Wood Products Company, Chicago, Ill. Fiber thermal insulating board. 282,641, renewed Apr. 28, 1951. O. G. July 17. Class 12.

Corning Glass Works, Corning, N. Y. Glass vessels; glass bowls; etc. 545,056, July 17; Serial No. 552,435, published Mar. 27, 1951. Class 33.

Coro, Inc., New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. 545,396, July 17; Serial No. 583,331. Class 28.

Cory Corporation, Chicago, Ill. Heating elements. 545,359, July 17; Serial No. 604,256, published Apr. 17, 1951. Class 21.

Couture Farms, Modesto, Calif. Fresh cantaloupes and fresh grapes. 545,264, July 17; Serial No. 597,875, published Mar. 27, 1951. Class 46.

Cowan, Louis G., New York, N. Y., assignor to Quiz Kids, Inc., Chicago, Ill. Entertainment service. 545,307, July 17; Serial No. 550,390, published Apr. 17, 1951. Class 107.

Cramer Chemical Company, The, Gardner, Kans. Liquid leather dressing. 545,162, July 17; Serial No. 584,973, published May 1, 1951. Class 6.

Cramer Chemical Company, The, Gardner, Kans. Cleaning preparation. 545,392, July 17; Serial No. 574,213. Class 52.

Crowder, Bill, Bait Co., Newark, N. J. Artificial fish bait. 545,410, July 17; Serial No. 595,248. Class 22.

Crump, B. T., Company, Inc., Richmond, Va. Hassocks. 545,304, July 17; Serial No. 599,750, published Apr. 24, 1951. Class 32.

Cudahy Packing Company, The, Chicago, Ill. Oleomargarine. 545,305–6, July 17; Serial Nos. 599,751–2, published Apr. 24, 1951. Class 46.

Cunningham Engineering Co., Birmingham, Ala. Combination heating and air-cooling apparatus. 545,358, July 17; Serial No. 603,403, published May 1, 1951. Class 34.

Curley Company, Incorporated, Philadelphia, Pa. Pharmaceutical preparation. 545,215, July 17; Serial No. 592,882, published Apr. 17, 1951. Class 18.

Cutler-Hammer, Inc., Milwaukee, Wis. Electrical control apparatus, electrical machines, and electrical supplies. 545,127, July 17; Serial No. 578,777, published Apr. 24, 1951. Class 21.

David, Roger H., Inc., St. Paul, Minn. Shoe holder. 545,184, July 17; Serial No. 589,198, published Apr. 17, 1951. Class 13.

Davis, Sarah J., Madison, N. J. Chicken roll. 545,381. July 17; Serial No. 542,426. Class 46.

Del Russo, J., Inc., New York, N. Y. Lipstick, powder, powder base, etc. 545,117, July 17; Serial No. 576,046, published Apr. 3, 1951. Class 51.

Denemark & Morris, Inc., New York, N. Y. Treated canvas and duck fabrics. 545,138, July 17; Serial No. 580,650, published Apr. 17, 1951. Class 42.

Denver Clock & Watch Corporation, New York, N. Y. Clocks and watches. 545,354, July 17; Serial No. 603,003, published Apr. 24, 1951. Class 27.

De Vilbiss Company, The: *See*—
De Vilbiss Manufacturing Company, The.

De Vilbiss Manufacturing Company, The, to The De Vilbiss Company, Toledo, Ohio. Powder-blowers, atomizers, and nebulizers. 82,875, re-renewed Aug. 1, 1951. O. G. July 17. Class 44.

Diamond Alkali Company, Cleveland, Ohio. Water softening and detergent composition. 545,286, July 17; Serial No. 598,896, published May 1, 1951. Class 52.

Dickinson, Albert, Company, The, Chicago, Ill. Chemical weed killer. 545,135, July 17; Serial No. 579,742, published May 1, 1951. Class 6.

Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y. 545,182, July 17; Serial No. 588,918, published Apr. 24, 1951. Class 6.

Dittmer, Henry W., doing business as Yellowstone Honey Syrup Company, Cody, Wyo. Honey syrups. 545,187, July 17; Serial No. 589,434, published Apr. 24, 1951. Class 46.

Diwa Manufacturing Company, Gentofte, Denmark. Drawing instruments and drawing articles. 545,293, July 17; Serial No. 599,315, published Apr. 10, 1951. Class 26.

Dixie Tallyho, Inc., Fairburn, Ga. Removable passenger carrying unit. 545,191, July 17; Serial No. 590,013, published Apr. 24, 1951. Class 19.

Dodge, F. W., Corporation: *See*—
International Publications, Inc.

Dolph, John C., Co., Long Island City, N. Y., to John C. Dolph Company, Monmouth Junction, N. J. Insulating varnishes and compounds. 81,510, re-renewed Apr. 18, 1951. O. G. July 17. Class 21.

Dolph, John C., Company: *See*—
Dolph, John C., Co.

Douglas (Kingswood) Limited, Kingswood, Bristol, England. Motor cycles. 545,059, July 17; Serial No. 557,266, published Apr. 10, 1951. Class 19.

Downey, T. P., Birmingham, Ala. Medicinal preparation. 287,613, renewed Sept. 29, 1951. O. G. July 17. Class 18.

Dunbar Glass Corporation, Dunbar, W. Va. Glass jugs; vases; jars; etc. 545,053, July 17; Serial No. 550,590, published Apr. 24, 1951. Class 33.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Resins. 283,059, May 12, 1931. Republished July 17. Class 1.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Wood stains, fillers, dry colors. 283,712, June 2, 1931. Republished July 17. Class 16.

Eastman Kodak Company: *See*—
Distillation Products, Inc.

Ebersole, Benjamin S., doing business as Allied Litho Supply Co., San Francisco, Calif. Light box or cabinet for exposing printing plates. 545,265, July 17; Serial No. 597,877, published Apr. 10, 1951. Class 26.

Eclipse Sleep Products Inc., Brooklyn, N. Y. Couch beds. 545,213, July 17; Serial No. 592,558, published Apr. 17, 1951. Class 32.

Economy Furniture Upholstery: *See*—
Smith, Milton T.

Edwal Laboratories, Inc., The, Chicago, Ill. Mildly acid solution. 545,033, July 17; Serial No. 527,830, published Apr. 10, 1951. Class 6.

Ehrhart & Arthur, Inc., doing business as Productol Company, Los Angeles, Calif. Cresylic acid. 545,320, July 17; Serial No. 600,423, published Apr. 24, 1951. Class 6.

Electric Storage Battery Company, The, Philadelphia, Pa. Storage-battery plates. 82,219, re-renewed June 13, 1951. O. G. July 17. Class 21.

Electric Testing Laboratories, Inc., New York, N. Y. Fluorescent lamp ballasts. 545,371, July 17; Serial No. 546,261, published May 1, 1951. Class 21.

Electrical Testing Laboratories, Inc., New York, N. Y. Fluorescent lamp starters. 545,372, July 17; Serial No. 546,262, published May 1, 1951. Class 21.

Electrical Testing Laboratories, Inc., New York, N. Y. Fluorescent lamp fixtures. 545,373, July 17; Serial No. 546,263, published May 1, 1951. Class 21.

Electrical Testing Laboratories, Inc., New York, N. Y. Portable electric floor and table lamps. 545,374–5, July 17; Serial Nos. 546,264–5, published May 1, 1951. Class 21.

Electrical Testing Laboratories, Inc., New York, N. Y. Separate bases for portable electric lamps. 545,376, July 17; Serial No. 546,266, published May 1, 1951. Class 21.

Electrical Testing Laboratories, Inc., New York, N. Y. Lamp shades. 545,377, July 17; Serial No. 546,267, published May 1, 1951. Class 21.

Employers Mutual Liability Insurance Company of Wisconsin, Wausau, Wis. Workmen's compensation, public liability, automobile, etc., insurance services. 545,363–4, July 17; Serial Nos. 528,993–4, published Apr. 17, 1951. Class 102.

Employers Mutual Liability Insurance Company of Wisconsin, Wausau, Wis. Workmen's compensation, public liability, automobile, etc., insurance services. 545,365, July 17; Serial No. 532,283, published Apr. 17, 1951. Class 102.

Englander Company, Inc., The, Chicago, Ill. Mattresses and box springs. 545,232, July 17; Serial No. 595,885, published Apr. 10, 1951. Class 32.

Englander Company, Inc., The, Chicago, Ill. Mattresses and box springs. 545,256, July 17; Serial No. 597,599, published Apr. 10, 1951. Class 32.

Eugene Fruit Growers Association, Eugene, Oreg. Canned fruits and vegetables. 545,071, July 17; Serial No. 562,344, published Mar. 27, 1951. Class 46.

Exeter Vineyards Association, Exeter, Calif. Fresh grapes. 545,299–300, July 17; Serial Nos. 599,623–4, published Apr. 24, 1951. Class 46.

Fair, The, Chicago, Ill. Linen table cloths, napkins, towels, etc. 286,678, renewed Sept. 1, 1951. O. G. July 17. Class 42.

Fansteel Products Company, Inc., assignor to Ramet Corporation of America, to Vascoloy-Ramet Corporation, North Chicago, Ill. Metal working and cutting tools. 284,718, renewed July 7, 1951. O. G. July 17. Class 23.

Farrar & Trefts, Incorporated, Buffalo, N. Y. Steam boilers. 545,216–18, July 17; Serial Nos. 592,893–5, published May 1, 1951. Class 34.

Feature Items, Inc., New York, N. Y. Garment hanging racks. 545,257, July 17; Serial No. 597,601, published Apr. 10, 1951. Class 32.

Flexible Connector Co. of America: *See*—
Longfellow, Earl.

Flex-Let Corporation, East Providence, R. I. Expansion type watch bracelets. 545,295, July 17; Serial No. 599,509, published Apr. 24, 1951. Class 28.

Floridol Co., The: *See*—
Mitchell, Samuel.

Fluegelman, N. & Co., Inc., by Fluegelman-Riverdale, Inc., New York, N. Y. Goods in the piece. 267,045, Feb. 11, 1930. Republished July 17. Class 42.

Fluegelman, N., & Co., Inc., by Fluegelman-Riverdale, Inc., New York, N. Y. Dresses. 350,501, Sept. 28, 1937. Republished July 17. Class 39.

Fluegelman-Riverdale, Inc.: *See*—
Fluegelman, N., & Co., Inc.

Folding Products Manufacturing Corporation, New York, N. Y. Folding tables. 545,297, July 17; Serial No. 599,560, published Apr. 10, 1951. Class 32.

Foote & Jenks, Inc., Jackson, Mich. Extracts for food-flavoring purposes. 545,040, July 17; Serial No. 536,683, published Apr. 17, 1951. Class 46.

Ford Motor Company, Dearborn, Mich. Automobiles. 545,236, July 17; Serial No. 596,335, published Apr. 24, 1951. Class 19.

Foulds Milling Company, The, Cincinnati, Ohio, and Chicago, Ill., to Grocery Store Products Co., West Chester, Pa. Macaroni, spaghetti, vermicelli, and noodles. 82,507, re-renewed July 4, 1951. O. G. July 17. Class 46.

Franklin Research Company, Philadelphia, Pa. Wax emulsions. 545,322, July 17; Serial No. 600,476, published Apr. 24, 1951. Class 6.

French, R. T., Company, The, Rochester, N. Y. Foods, substances used as foods, and ingredients of foods. 545,030, July 17; Serial No. 524,452, published Apr. 10, 1951. Class 46.

Freund, Walter, Bread Company, St. Louis, Mo. Bread, cakes and pies. 545,050, July 17; Serial No. 547,439, published Apr. 10, 1951. Class 46.

Galiano, Rafael P., Madrid, Spain. Preparation for the treatment of headaches, neuralgias, etc. 545,178, July 17; Serial No. 588,260, published Apr. 10, 1951. Class 18.

Gamble-Skogmo, Inc., Minneapolis, Minn. Rowboats and motor scooters. 545,146, July 17; Serial No. 582,038, published Apr. 10, 1951. Class 19.

Gemsco, Inc. to Gemsco, Inc., New York, N. Y. Riding equipment and accessories. 287,057, renewed Sept. 15, 1951. O. G. July 17. Class 3.

Gilbert, A. C., Company, The: *See*—
Meccano Limited.

Gilsdorf & Deklotz, Portland, Oreg. Preparation for preserving the foliage of Christmas trees. 545,400, July 17; Serial No. 585,044. Class 6.

Glenwear, Inc., New York, N. Y. Ladies' and misses' blouses. 545,418, July 17; Serial No. 605,855. Class 39.

Gold Seal Co., Inc., Charlotte, N. C. Television receiving sets. 545,340, July 17; Serial No. 601,324, published Apr. 24, 1951. Class 21.

Goodman, A., & Sons, Inc., New York, N. Y. Soup mix. 389,587–8, Aug. 12, 1941. Republished July 17. Class 46.

Gottesman and Company, Incorporated, New York, N. Y. Wood pulp. 366,729, Apr. 25, 1939. Canceled June 20, 1951. O. G. July 17. Class 1.

Granat Bros., San Francisco, Calif. Watches. 545,326, July 17; Serial No. 600,672, published Apr. 24, 1951. Class 27.

Grant, H. R., Bakery, The: *See*—
Grant, Harvey R.

Grant, Harvey R., doing business as The H. R. Grant Bakery, Chicago, Ill. Bread. 545,026, July 17; Serial No. 516,691, published Mar. 27, 1951. Class 46.

Gray, Dunn & Company Limited, Kinning Park, Glasgow, Scotland. Biscuits. 545,222, July 17; Serial No. 593,667, published Apr. 10, 1951. Class 46.

Great Western Cereal Company, The, to The Quaker Oats Company, Chicago, Ill. Cornmeal. 81,523, re-renewed Apr. 18, 1951. O. G. July 17. Class 46.

Griggs, Cooper & Company, doing business as Standard Food Mfg. Co., St. Paul, Minn. Soda crackers. 545,124, July 17; Serial No. 578,592, published Mar. 27, 1951. Class 46.

Grocery Store Products Co.: *See*—
Foulds Milling Company, The.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. 545,348, July 17; Serial No. 602,692, published Apr. 24, 1951. Class 27.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 545,051, July 17; Serial No. 547,633, published Apr. 17, 1951. Class 2.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 545,290, July 17; Serial No. 599,168, published Apr. 17, 1951. Class 2.

Gwaltney P. D., Jr., & Co., Inc., Smithfield, Va. Cured meats. 284,173, renewed June 16, 1951. O. G. July 17. Class 46.

Hacker Import Corporation, The, New York, N. Y. Threads and yarns. 545,388, July 17; Serial No. 563,927. Class 43.

Haldens Taendstikfabrik, Fredrikshald, to Bryn & Halden Taendstikfabrikker Aktieselskab, Bryn, near Oslo, Norway. Matches. 81,700–01, re-renewed May 2, 1951. O. G. July 17. Class 9.

Hamilton Foundry and Machine Company, The, Hamilton, Ohio. Gray and white iron castings. 545,102, July 17; Serial No. 571,860, published Apr. 3, 1951. Class 14.

Handal, S., & Sons, Inc., New York, N. Y. Textile fabrics in the piece, tablecloths, napkins, etc. 545,088, July 17; Serial No. 568,503, published Apr. 17, 1951. Class 42.

Hannay, Clifford B., & Son, Inc., Westerlo, N. Y. Reels in the nature of receptacles. 545,278, July 17; Serial No. 598,585, published Apr. 10, 1951. Class 2.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. 545,154, July 17; Serial No. 583,650, published Jan. 3, 1950. Class 19.

Hartley, Grace E., Baxter Springs, Kans. Bottled salad dressing. 545,268, July 17; Serial No. 598,013, published Mar. 20, 1951. Class 46.

Harwick, Curtis J., doing business as Standard Chemical Company, by Harwick Standard Chemical Company, Akron, Ohio. Adhesion-preventing material. 344,546, Mar. 30, 1937. Republished July 17. Class 6.

Harwick, Curtis J., doing business as Standard Chemical Company, by Harwick Standard Chemical Company, Akron, Ohio. Adhesion-preventing material. 351,555, Nov. 2, 1937. Republished July 17. Class 6.

Harwick Standard Chemical Company: *See*—
Harwick, Curtis J.

Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned pineapple juice. 545,038, July 17; Serial No. 536,081, published Mar. 27, 1951. Class 46.

Hawaiian Tuna Packers, Limited, Honolulu, Territory of Hawaii. Canned tuna. 545,150, July 17; Serial No. 583,204, published Apr. 17, 1951. Class 46.

Hertner Electric Company, The, Cleveland, Ohio. Battery charging apparatus. 545,301, July 17; Serial No. 599,634, published Apr. 24, 1951. Class 21.

Hewitt-Robins Incorporated, Buffalo, N. Y. Mattresses, pillows, seat cushions, etc. 545,090, July 17; Serial No. 568,734, published Apr. 10, 1951. Class 32.

Hill, H. G., Stores, Inc., New Orleans, La. Bleach preparation. 545,329, July 17; Serial No. 600,832, published May 1, 1951. Class 6.

Hoffman Radio Corporation, Los Angeles, Calif. Television receiving sets. 545,125, July 17; Serial No. 578,692, published Apr. 24, 1951. Class 21.

Holloway, M. J., & Company, Chicago, Ill. Candy. 545,209, July 17; Serial No. 591,619, published Apr. 24, 1951. Class 46.

Holzapfels Limited, Newcastle-upon-Tyne, England, to International Paint Company, Inc., New York, N. Y. Anticorrosive and anti-fouling paint, mixed paint, and enamels. 83,069, re-renewed Aug. 15, 1951. O. G. July 17, Class 16.

House of Huston, Inc., Coral Gables, Fla. Insect repellent. 545,406, July 17; Serial No. 591,620. Class 6.

Hull Manufacturing Company, Warren, Ohio. Magnetic compasses. 545,272, July 17; Serial No. 598,302, published Apr. 10, 1951. Class 26.

Hyman, Julius, & Company, Denver, Colo. Insecticides. 545,155, July 17; Serial No. 583,694, published May 1, 1951. Class 6.

Ice-Klat Packing Company, Salinas, Calif. Fresh lettuce. 545,156, July 17; Serial No. 584,236, published Apr. 24, 1951. Class 46.

Ideal Industries, El Monte, Calif. Trailer coaches. 545,122, July 17; Serial No. 577,671, published Apr. 10, 1951. Class 19.

Illumilite Company, Inc., The, assignor to Bertha Sternaman, Springfield, Ill. Electric lamp holders, and mountings therefor. 545,263, July 17; Serial No. 597,829, published Apr. 17, 1951. Class 21.

Indianapolis Glove Company, to Indianapolis Glove Company, Inc., Indianapolis, Ind. Canvas work gloves. 285,161, renewed July 14, 1951. O. G. July 17. Class 39.

Indianapolis Glove Company, Inc.: *See*—
Indianapolis Glove Company.

Industria e Comercio Assumpcao S/A, Sao Paulo, Brazil. Television receiving sets, television transmitting sets, etc. 545,192, July 17; Serial No. 590,369, published Apr. 17, 1951. Class 21.

International Cellucotton Products Company: *See*—
Kotex Company.

International Compositions Company, Inc., to International Paint Company, Inc., New York, N. Y. Ready mixed paints. 287,497, renewed Sept. 29, 1951. O. G. July 17. Class 16.

International Molded Plastics, Inc., Cleveland, Ohio. Plastic dinner dish ware. 545,276, July 17; Serial No. 598,477, published Apr. 10, 1951. Class 2.

International Paint Company, Inc.: *See*—
Holzapfels Limited.
International Compositions Company, Inc.

International Publications, Inc., to F. W. Dodge Corporation, New York, N. Y. Monthly publication. 286,900, renewed Sept. 8, 1951. O. G. July 17. Class 38.

Iungerich, Frank L., St. Louis, Mo. Analgesic tablets. 545,337, July 17; Serial No. 601,051, published Apr. 10, 1951. Class 18.

Jamestown Baking Company, Inc., Jamestown, N. Y. Bread. 545,248, July 17; Serial No. 597,209, published Apr. 17, 1951. Class 46.

Jet Air Cones System: *See*—
Cones, Ben.

Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Steel pipe. 545,237, July 17; Serial No. 596,426, published Apr. 10, 1951. Class 13.

Jones, Sallie C., doing business as Sarah Lee Kitchen, Richmond, Va. Cakes, pies, bread, etc. 545,044, July 17; Serial No. 539,594, published Apr. 10, 1951. Class 46.

Jordeau, Jean, Inc.: *See*—
Zip Sales Corporation of New York.

Jordeau, Jean, Inc., South Orange, N. J. Depilatory. 180,521, Mar. 4, 1924. Republished July 17. Class 51.

Kantro, Jerome, doing business as Jerome Kantro Company, Salinas, Calif. Fresh vegetables. 545,153, July 17; Serial No. 583,399, published Apr. 24, 1951. Class 46.

Kantro, Jerome, Company: *See*—
Kantro, Jerome.

Kelleher, Thomas J., doing business under the name of Kelson Products, Chicago, Ill. Clothes rack. 545,254, July 17; Serial No. 597,527, published Apr. 10, 1951. Class 32.

Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible electrical cords. 429,503, Apr. 29, 1947. Disclaimed. O. G. July 17. Class 21.

Kelson Products: *See*—
Kelleher, Thomas J.

Kenron Steel Products: *See*—
Turkin, Nathan H.

Keppel's, Inc., Lancaster, Pa. Candy. 545,291, July 17; Serial No. 599,179, published Apr. 17, 1951. Class 46.

Kingsley Flour Company: *See*—
Kingsley, Leon G.

Kingsley, Leon G., doing business under the trade name Kingsley Flour Company, New York, N. Y. Wheat flour. 545,101, July 17; Serial No. 571,808, published Mar. 20, 1951. Class 46.

Klein, William, doing business as American Mercantile Company, San Francisco, Calif. Canned shellfish. 545,240, July 17; Serial No. 596,670, published Apr. 17, 1951. Class 46.

Knapp-Monarch Company, St. Louis, Mo. Electric sadirons. 545,341, July 17; Serial No. 601,442, published Apr. 24, 1951. Class 21.

Kochs, Theo. A., Company: *See*—
Paidar, Emil J., Company.

Kohnstamm, H., & Co., Inc., New York, N. Y. Pigment colors and lake colors. 545,255, July 17; Serial No. 597,530, published Apr. 17, 1951. Class 6.

Koppers Company, Inc.: *See*—
Koppers Products Company.

Koppers Products Company, to Koppers Company, Inc., Pittsburgh, Pa. Insecticides and wood preservatives. 284,033, renewed June 9, 1951. O. G. July 17. Class 6.

Kotex Company, to International Cellucotton Products Company, Chicago, Ill. Sanitary napkins. 286,729, renewed Sept. 1, 1951. O. G. July 17. Class 44.

Kuster Laboratories, Inc., San Francisco, Calif. Food product. 545,057, July 17; Serial No. 553,378, published Apr. 17, 1951. Class 46.

Lake Shore Engineering Company, Iron Mountain, Mich. Railway dump cars. 545,093, July 17; Serial No. 569,525, published May 1, 1951. Class 19.

Lancome, S. A., Paris, France. Perfumes, toilet waters, rouges, etc. 545,091, July 17; Serial No. 568,737, published Apr. 3, 1951. Class 51.

Lanner Bros. Inc., New York, N. Y. Hosiery and underwear for men, women, and children. 545,412, July 17; Serial No. 599,516. Class 39.

Larsen, Robert, New York, N. Y. Watch crystals. 545,385, July 17; Serial No. 557,285. Class 33.

Lauerman Brothers Company, Marionette, Wis. Sheets and pillowcases. 545,115, July 17; Serial No. 575,357, published Apr. 17, 1951. Class 42.

Lea, David M., & Company, Incorporated, Richmond, Va. Furniture. 545,123, July 17; Serial No. 577,892, published Apr. 10, 1951. Class 32.

Legg, A. C., Packing Co. Inc., Birmingham, Ala. Seasoning. 285,453, renewed July 28, 1951. O. G. July 17. Class 46.

Legg, A. C., Packing Co., Inc., Birmingham, Ala. Seasoning. 286,124, renewed Aug. 18, 1951. O. G. July 17. Class 46.

Lever Brothers Company, Cambridge, Mass., to Lever Brothers Company, New York, N. Y. Preparation of oxygen for bleaching, cleansing and purifying. 279,413, renewed Jan. 13, 1951. O. G. July 17. Class 52.

Lever Brothers Company, New York, N. Y. Chemical preparation. 545,318, July 17; Serial No. 600,294, published Apr. 24, 1951. Class 6.

Levin's, S. H., Sons, Philadelphia, Pa. Canned tomatoes. 280,678, renewed Feb. 24, 1951. O. G. July 17. Class 46.

Lewisburg Chair Company, Inc., Bridgeport, Conn. Tables and chairs. 545,144, July 17; Serial No. 581,879, published Apr. 17, 1951. Class 32.

Life of Wheat Company, Monticello, Ill. Defatted wheat germ. 545,039, July 17; Serial No. 536,103, published Mar. 27, 1951. Class 46.

Link-Belt Company, Chicago, Ill. Combined electric motor and hydraulic coupling drives. 545,346, July 17; Serial No. 602,617, published Apr. 17, 1951. Class 21.

Locks Laboratories, New York, N. Y. Shampoo and hair conditioner. 545,075, July 17; Serial No. 563,265, published Apr. 17, 1951. Class 52.

Longfellow, Earl, doing business as Flexible Connector Co. of America, New York, N. Y. Hose coupling. 545,098, July 17; Serial No. 570,711, published Apr. 10, 1951. Class 13.

Lusteroid Container Company, Inc., South Orange, N. J. Plastic tubular containers. 444,528, July 17; Serial No. 508,684, published Apr. 10, 1951. Class 2.

Lyon Metal Products, Incorporated, Aurora, Ill. Empty tool chests, hopper bins, tool boxes, etc. 545,042, July 17; Serial No. 537,203, published Apr. 26, 1949. Class 2.

Madison, Gerald C., doing business as The Bundle Company, Santa Monica, Calif. Service table. 545,313, July 17; Serial No. 600,136, published Apr. 24, 1951. Class 32.

Maid-Rite Products, Inc., Muscatine, Iowa. Sandwiches. 545,064, July 17; Serial No. 559,442, published Apr. 10, 1951. Class 46.

Makitawecus, Anthony, Brooklyn, N. Y. Canned hot vegetables. 545,159, July 17; Serial No. 584,411, published Apr. 10, 1951. Class 46.

Malone Knitting Company, Springfield, Mass. Infants' shirts, bands, and panties. 545,078, July 17; Serial No. 564,208, published Apr. 17, 1951. Class 39.

Markwell Manufacturing Company, Inc., New York, N. Y. Staples. 545,307, July 17; Serial No. 599,768, published Apr. 17, 1951. Class 13.

Marmon-Herrington Company, Inc., Indianapolis, Ind. Automobiles, busses, automotive trucks, etc. 545,024, July 17; Serial No. 500,620, published Apr. 24, 1951. Class 19.

Mars Incinerator, Inc., Burbank, Calif. Incinerators. 545,092, July 17; Serial No. 568,900, published May 1, 1951. Class 34.

Mars, Incorporated, Chicago, Ill. Candy. 545,416, July 17; Serial No. 604,157. Class 46.

Martin, Glenn L., Company, The, Baltimore and Middle River, Md., assignor to The United States Rubber Company, New York, N. Y. Synthetic resinous compositions. 545,164, July 17; Serial No. 585,073, published Apr. 24, 1951. Class 6.

Maryland Biscuit Company, The, Baltimore, Md. Sweetened biscuits. 444,531, July 17; Serial No. 525,896, published Apr. 10, 1951. Class 46.

Massengill, S. E., Company, The, Bristol, Tenn. Respiratory decongestant. 545,195, July 17; Serial No. 590,669, published Apr. 10, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Veterinary pharmaceutical preparation. 545,196, July 17; Serial No. 590,681, published Apr. 17, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Veterinary preparation. 545,197, July 17; Serial No. 590,689, published Apr. 10, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Veterinary preparation. 545,198–9, July 17; Serial Nos. 590,693–4, published Apr. 10, 1951. Class 18.

Mastercrafters Clock & Radio Company, Chicago, Ill. Clocks. 545,342, July 17; Serial No. 601,450, published Apr. 24, 1951. Class 27.

Maul Company, The, to Maul Macotta Corporation, Detroit, Mich. Concrete units. 285,666, renewed Aug. 4, 1951. O. G. July 17. Class 12.

Maul Macotta Corporation: *See*—
Maul Company, The.

Maxwell-Phillip Co., Inc., New York, N. Y. Cocktail shakers. 545,389, July 17; Serial No. 565,001. Class 13.

May Department Stores Company, The, New York, N. Y., and St. Louis, Mo. Men's, women's, children's, and infants' clothing. 545,120, July 17; Serial No. 576,545, published Apr. 11, 1950. Class 39.

Maybaum, John L., doing business as Fred W. Butler Company, Philadelphia, Pa. Demonstration tables. 545,128, July 17; Serial No. 578,987, published Apr. 24, 1951. Class 32.

Mayer, Lazare L., New York, N. Y., to L. L. Mayer, Chicago, Ill. Hair nets, silk nets, water-wave nets. 281,187, renewed Mar. 10, 1951. O. G. July 17. Class 39.

McCowan, David A., Inc., Buffalo, N. Y. Merchandise display stands and merchandise display cabinets. 545,273, July 17; Serial No. 598,377, published Apr. 24, 1951. Class 32.

McGraw Electric Company, Elgin, Ill. Electrical appliances. 545,331, July 17; Serial No. 600,901, published Apr. 24, 1951. Class 21.

McLintock, D. C., doing business as D. C. McLintock Co., Hackensack, N. J. Medicated bandages. 545,081, July 17; Serial No. 564,886, published Apr. 17, 1951. Class 18.

McLintock, D. C., Co.: *See*—
McLintock, D. C.

McNeil, Charles J., Beaumont, Tex. Remedy for the treatment of piles. 545,143, July 17; Serial No. 581,674, published Apr. 17, 1951. Class 18.

Meccano Limited, Liverpool, England, to The A. C. Gilbert Company, New Haven, Conn. Mechanical toys. 83,171, re-renewed Aug. 22, 1951. O. G. July 17. Class 22.

Meletron Corporation, Los Angeles, Calif. Rotary selector switches, pressure and vacuum operated switches, etc. 545,357, July 17; Serial No. 603,161, published Apr. 24, 1951. Class 21.

Mente & Co., Inc., New Orleans, La. Jute bagging. 283,415, renewed May 26, 1951. O. G. July 17. Class 42.

Merck & Co., Inc., Rahway, N. J. Cholinergic-blocking substance. 545,131, July 17; Serial No. 579,609, published Apr. 10, 1951. Class 18.

Merfish, Nathan, Houston, Tex. Water heaters. 545,207, July 17; Serial No. 591,308, published Oct. 24, 1950. Class 34.

Milprint, Inc., Milwaukee, Wis. Commodity and merchandising pouches and bags. 545,401, July 17; Serial No. 588,257. Class 2.

Milwaukee Lubricants Co., Milwaukee, Wis., to The Cellowax Company, Baltimore, Md. Liquid floor coating, preservative, and polish. 285,900, renewed Aug. 11, 1951. O. G. July 17. Class 10.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostat. 545,032, July 17; Serial No. 527,770, published Apr. 17, 1951. Class 26.

Mission Dry Corporation, Los Angeles, Calif. Fruit flavors. 545,087, July 17; Serial No. 567,994, published Mar. 27, 1951. Class 46.

Mitchell, Samuel, doing business as The Floridol Co., East Cleveland, Ohio. Alcohol containing preparation of the nature of a cologne. 545,160, July 17; Serial No. 584,540, published Apr. 10, 1951. Class 51.

Monmouth Canning Company, Portland, Maine. Canned pork and beans. 545,308, July 17; Serial No. 599,961, published Apr. 24, 1951. Class 46.

Mor-Milk Company, The: *See*—
Noble, Utley.

Morton Salt Company, Chicago, Ill. Salt. 545,380, July 17; Serial No. 540,698. Class 46.

Murano, Joseph S., Youngstown, Ohio. Clarinet, saxophone and similar reed carrying instrument mouthpieces. 545,384, July 17; Serial No. 557,150. Class 36.

Murphy & Stevenson Ltd., Belfast, Northern Ireland. Tablecloths, napkins, towels, etc. 545,094, July 17; Serial No. 569,982, published Apr. 17, 1951. Class 42.

Mysan Co., The: *See*—
Brown, Hoke S.

Nanty Frocks: *See*—
Nanty Frocks, Inc.

Nanty Frocks, Inc., to C. W. Rendigs, doing business as Nanty Frocks, New York, N. Y. Afternoon and evening dresses. 286,836, renewed Sept. 8, 1951. O. G. July 17. Class 39.

National Aluminate Corporation, Chicago, Ill. Catalyst compositions. 545,137, July 17; Serial No. 580,141, published Apr. 17, 1951. Class 6.

National Automatic Tool Company, Inc., Richmond, Ind. Collapsible metal poultry crates. 545,139, July 17; Serial No. 580,851, published Apr. 17, 1951. Class 2.

National Cylinder Gas Company, Chicago, Ill. Chemical preparation. 545,319, July 17; Serial No. 600,389, published Apr. 24, 1951. Class 6.

National Die Casting Company, Chicago, Ill. Portable electric space heaters and parts thereof. 545,172, July 17; Serial No. 587,117, published Apr. 24, 1951. Class 21.

National Exchange Club, The, Toledo, Ohio. Lapel buttons, pins and badges, etc. 545,323, July 17; Serial No. 600,504, published Apr. 24, 1951. Class 28.

National Tank Company, Tulsa, Okla. Metal pipe couplings and unions. 545,204, July 17; Serial No. 591,045, published Apr. 10, 1951. Class 13.

Navajo Freight Lines, Inc., Los Angeles, Calif. Transportation of freight by truck. 545,370, July 17; Serial No. 597,287, published Apr. 10, 1951. Class 105.

Neumode Hosiery Co., Chicago, Ill. Hosiery. 545,383, July 17; Serial No. 552,259. Class 39.

Neville Corporation, The, New York, N. Y. Beard softener. 545,391, July 17; Serial No. 573,732. Class 51.

New England Cranberry Sales Co., Middleboro, Mass. Fresh cranberries. 285,008, renewed July 14, 1951. O. G. July 17. Class 46.

New England Cranberry Sales Company, Middleboro, Mass. Fresh cranberries. 545,104, July 17; Serial No. 572,261, published Feb. 21, 1950. Class 46.

Nichols Engineering & Research Corp., New York, N. Y. 444,530, July 17; Serial No. 525,659, published Sept. 16, 1947. Class 14.

Noble, Utley, doing business as The Mor-Milk Company, Dixon, Ill. Dietary supplement for cattle. 545,398, July 17; Serial No. 584,247. Class 46.

Norman, Alpheus J., Jr., doing business under the name and style of Nor-Vase Company, East Orange, N. J., and Warwick, N. Y. Vase. 545,245, July 17; Serial No. 596,933, published Apr. 24, 1951. Class 2.

North American Philips Company, Inc., Dobbs Ferry, N. Y. Electro-magnetic cores. 545,060, July 17; Serial No. 557,381, published Apr. 24, 1951. Class 21.

North Pacific Canners & Packers, Inc., Portland, Oreg. Canned and frozen fruits and vegetables. 545,047, July 17; Serial No. 544,755, published Apr. 24, 1951. Class 46.

Northwestern Steel and Wire Company, Sterling, Ill. Stove pipe wire, welded wire fabric, hardware cloth, etc. 545,185, July 17; Serial No. 589,331, published Apr. 17, 1951. Class 13.

Nor-Vase Company: *See*—
Norman, Alpheus J., Jr.

Nutrilite Products, Inc., Los Angeles and Buena Park, Calif. Vitamin food supplement and a mineral food supplement. 545,212, July 17; Serial No. 592,048, published Apr. 3, 1951. Class 18.

Ogden, Claudia M., doing business as Claudia Ogden's "Pink Pony" Fabrics, Scottsdale, Ariz. Piece goods. 545,243, July 17; Serial No. 596,748, published Apr. 17, 1951. Class 42.

Ogden's, Claudia, "Pink Pony" Fabrics: *See*—
Ogden, Claudia M.

Ogren, Marie, San Mateo, Calif. Skin lotion. 545,165, July 17; Serial No. 585,807, published Mar. 27, 1951. Class 51.

Ohio Farmers Insurance Company, Leroy, Ohio. Fire, wind, explosion, loss of earnings, etc., insurance. 545,369, July 17; Serial No. 593,741, published Apr. 17, 1951. Class 102.

Omnipol Akciova Spolecnost: *See*—
Omnipol, Limited Company.

Omnipol, Limited Company, also named Omnipol Akciova Spolecnost, Prague, Czechoslovakia. Electrical apparatus. 545,066, July 17; Serial No. 559,808, published Apr. 24, 1951. Class 21.

Oppenheim, Ernest L., doing business under the name of Ernest L. Oppenheim Leather and Plastic Products Co., New York, N. Y. Handbags, wallets, playing card cases, etc. 545,227, July 17; Serial No. 594,985, published Apr. 10, 1951. Class 3.

Oppenheim, Ernest L., Leather and Plastic Products Co.: *See*—
Oppenheim, Ernest L.

Organon Inc., Orange, N. J. Medicinal hormone preparation. 545,339, July 17; Serial No. 601,230, published Apr. 17, 1951. Class 18.

Ozonol Laboratories (1930) Limited, London, England. Chemical preparation. 545,220, July 17; Serial No. 593,236, published May 1, 1951. Class 6.

Pabst Brewing Company, Chicago, Ill. Metal serving trays. 545,269, July 17; Serial No. 598,032, published Apr. 10, 1951. Class 13.

Pacific Fruit & Produce Co.: *See*—
Pacific Gamble Robinson Company.

Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co., Seattle, Wash. Fresh potatoes and fresh berries. 545,205, July 17; Serial No. 591,248, published Apr. 10, 1951. Class 46.

Paidar, Emil J., Company, doing business as Theo. A. Kochs Company, Chicago, Ill. Barber chairs and beauty parlor chairs. 545,330, July 17; Serial No. 600,846, published Apr. 24, 1951. Class 32.

Pan Pacific Fisheries, Inc.: *See*—
Coast Fishing Co.

Parke, Davis & Company, Detroit, Mich. Oral preparation for the treatment of liver conditions. 545,206, July 17; Serial No. 591,249, published Apr. 17, 1951. Class 18.

Parker Rust Proof Company, Detroit, Mich. Phosphating chemicals. 545,315–16, July 17; Serial Nos. 600,188–9, published May 1, 1951. Class 6.

Parkis Mills, Inc., Ballston Lake, N. Y. Self-rising griddle cake flour. 545,302, July 17; Serial No. 599,651, published Apr. 24, 1951. Class 46.

Paxton & Gallagher Co., Omaha, Nebr. Canned peas, canned peaches, spices, etc. 211,665, Apr. 13, 1926. Amended. O. G. July 17. Class 46.

Pennant Farms, Arvin, Calif. Fresh potatoes. 545,074, July 17; Serial No. 563,131, published Apr. 3, 1951. Class 46.

Penney, J. C., Company, Wilmington, Del., to J. C. Penney Company, New York, N. Y. Golf balls, golf clubs, and golf bags. 280,620. Renewed Feb. 24, 1951. O. G. July 17. Class 22.

Pennington Bean Company: *See*—
Pennington, F. T.

Pennington, F. T., doing business as Pennington Bean Company, Atlanta, Ga. Dried beans. 545,246, July 17; Serial No. 596,938, published Apr. 10, 1951. Class 46.

Pepperell Manufacturing Company, Boston, Mass. Sheets, pillow cases and sheetings. 545,099, July 17; Serial No. 571,042, published Apr. 17, 1951. Class 42.

Permoflux Corporation, Chicago, Ill. Electrically operated dictating machines. 545,202, July 17; Serial No. 590,758, published Apr. 24, 1951. Class 21.

Permold Company, The, Medina, Ohio. Cast metallic brake parts and wheels. 545,161, July 17; Serial No. 584,637, published Apr. 24, 1951. Class 19.

Petersen Oven Company, The, Franklin Park, Ill. Portable metal bins. 545,181, July 17; Serial No. 588,766, published Apr. 17, 1951. Class 2.

Petersen Show Case & Fixture Company, Los Angeles, Calif. Drainboards and cocktail units in the nature of sinks. 545,379, July 17; Serial No. 518,448. Class 13.

Petroleum Solvents Corporation, New York, N. Y. Composition for preventing the icing of windows, etc. 545,105, July 17; Serial No. 572,375, published May 1, 1951. Class 6.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Flavored antibiotic preparation. 545,309, July 17; Serial No. 599,972, published Apr. 10, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 545,229, July 17; Serial No. 595,398, published Apr. 17, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 545,235, July 17; Serial No. 596,184, published Apr. 17, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 545,241, July 17; Serial No. 596,681, published Apr. 3, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 545,242, July 17; Serial No. 596,684, published Apr. 10, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 545,394, July 17; Serial No. 576,013. Class 18.

Pichel Inc., New York, N. Y. Ladies' handbags. 545,157–8, July 17; Serial Nos. 584,290–1, published Apr. 10, 1951. Class 3.

Pillsbury Flour Mills Company, to Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 285,538, renewed July 28, 1951. O. G. July 17. Class 46.

Pillsbury Flour Mills Company, to Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 285,565, renewed July 28, 1951. O. G. July 17. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Pinkerton's National Detective Agency, Inc., New York, N. Y. Private detective investigations and property surveillance. 541,883, May 1, 1951. Corrected. O. G. July 17. Class 100.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Finely divided silica. 545,141, July 17; Serial No. 581,208, published Apr. 10, 1951. Class 6.

Plant Protection Limited: *See*—
White, E. A., Limited.

Plastic Molders, Inc., Chicago, Ill. Plastic receptacles. 545,136, July 17; Serial No. 579,831, published Apr. 17, 1951. Class 2.

Pocatello Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Pollina, Mariano, doing business under the name and style of Ygrene Company, New York, N. Y. Natural nutritional concentrate. 545,186, July 17; Serial No. 589,410, published Apr. 3, 1951. Class 18.

Porterville Grape Association, Porterville, Calif. Fresh deciduous fruits. 261,005, Sept. 3, 1929. Republished July 17. Class 46.

Precision Steel Warehouse, Inc., Chicago, Ill. Music wire, tempered spring steel and flat wire. 545,409, July 17; Serial No. 594,333. Class 14.

Preston-Shaffer Milling Co., doing business as Western Milling Company, Walla Walla, Wash. Wheat flour. 545,103, July 17; Serial No. 571,995, published Apr. 17, 1951. Class 46.

Price Baking Powder Company, Chicago, Ill., to Standard Brands Incorporated, New York, N. Y. Baking powder. 83,689, re-renewed Oct. 3, 1951. O. G. July 17. Class 46.

Prime Products, Inc., Tampa, Fla. Canned orange concentrate product. 545,266, July 17; Serial No. 597,905, published Mar. 27, 1951. Class 46.

Productol Company: *See*—
Ehrhart & Arthur, Inc.

Psaki Brothers, Philadelphia, Pa. Catsup, chicken a la king, chicken broth, etc. 279,334, Jan. 13, 1931. Republished July 17. Class 46.

Quaker Oats Company, The: *See*—
Great Western Cereal Company, The.

Quality Macaroni Company, doing business as Romano Macaroni Co., St. Paul, Minn. Egg noodles. 545,145, July 17; Serial No. 581,983, published Apr. 10, 1951. Class 46.

Quinn, Mrs., Hugh, Fort Worth, Tex. Liquid composition for treating the blood. 281,813, renewed Mar. 31, 1951. O. G. July 17. Class 18.

Quiz Kids, Inc.: *See*—
Cowan, Louis G.

Ramet Corporation of America, assignee: *See*—
Fansteel Products Company, Inc.

Raylass Department Stores, Inc., New York, N. Y. Women's and girls' hosiery and shoes. 545,402, July 17; Serial No. 588,518. Class 39.

Ready Foods Canning Corp., Chicago, Ill. Canned pork luncheon meat. 545,177, July 17; Serial No. 588,230, published Apr. 17, 1951. Class 46.

Realty and Industrial Corporation, Convent, N. J. Portable ammeters, milli-ammeters, voltmeters, etc. 545,061, July 17; Serial No. 557,629, published Apr. 10, 1951. Class 26.

Redbrook Tinplate Co. Limited, The, London, to The Redbrook Tinplate Co. Limited, Pontnewydd, England. Tin, terne, zinc and black plates. 81,548, re-renewed Apr. 18, 1951. O. G. July 17. Class 14.

Red Wagon Products, Inc., Minneapolis, Minn. Popped and unpopped popcorn. 545,073, July 17; Serial No. 562,883, published Aug. 22, 1950. Class 46.

Refrigeradora del Noroeste, S. A., Mazatlan, Sinaloa, Mexico. Frozen shrimp. 545,252, July 17; Serial No. 597,371, published Apr. 24, 1951. Class 46.

Rembrandt Lamp Corporation, Chicago, Ill. Tables. 545,298, July 17; Serial No. 599,585, published Apr. 10, 1951. Class 32.

Rendigs, Charles W.: *See*—
Nanty Frocks, Inc.

Rhodes, M. H., Incorporated, Hartford, Conn. Parking meters, and timers. 545,089, July 17; Serial No. 568,663, published Apr. 10, 1951. Class 26.

River Brand Rice Mills, Inc.: *See*—
Southern Rice Sales Company, Inc.

Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostats, thermostatic temperature controls, thermostatic valves, etc. 545,129, July 17; Serial No. 579,153, published Apr. 10, 1951. Class 26.

Robeson Cutlery Company, Inc., Perry, N. Y. Knife holders or racks. 545,043, July 17; Serial No. 537,732, published Apr. 10, 1951. Class 2.

Roma Macaroni Company, doing business as Roma Macaroni Factory, San Francisco, Calif. Spaghetti, egg noodles, vermicelli, etc. 545,390, July 17; Serial No. 569,302. Class 46.

Roma Macaroni Factory: *See*—
Roma Macaroni Company.

Romano Macaroni Co.: *See*—
Quality Macaroni Company.

Ronuk, Limited, Portslade, near Brighton, England. Wood stain. 284,169, renewed June 16, 1951. O. G. July 17. Class 16.

Ronuk, Limited, Portslade, near Brighton, England. Detergent preparations. 285,238, renewed July 21, 1951. O. G. July 17. Class 52.

Ronuk, Limited, Portslade, near Brighton, England. Floor polish, furniture cream, floor dressing, and motor car polish. 285,759, renewed Aug. 4, 1951. O. G. July 17. Class 16.

Rose City Foods, Inc., assignee: *See*—
Tillman, John.

Rosenau Brothers, Inc., Philadelphia, Pa. Children's and girls' dresses, rompers, pinafores, etc. 545,189, July 17; Serial No. 589,919, published Apr. 3, 1951. Class 39.

Rosenau Brothers, Inc., Philadelphia, Pa. Children's and girls' frocks. 545,190, July 17; Serial No. 589,920, published Apr. 3, 1951. Class 39.

Rose Manufacturing Company, Kansas City, Mo. Boiler cleaning compound. 287,147, renewed Sept. 15, 1951. O. G. July 17. Class 52.

Rossville Commercial Alcohol Corporation, Lawrenceburg, to Commercial Solvents Corporation, Terre Haute, Ind. Ethyl alcohol. 285,819, renewed Aug. 11, 1951. O. G. July 17. Class 49.

Rubenstein Company, The, Chicago, Ill. Upholstery fabrics. 545,113, July 17; Serial No. 574,246, published Apr. 17, 1951. Class 42.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned apple juice. 545,084, July 17; Serial No. 567,657, published Apr. 3, 1951. Class 46.

St. John & Co., Chicago, Ill. Trucks; truck casters; composite wheels, etc. 545,027, July 17; Serial No. 519,702, published Apr. 24, 1951. Class 19.

St. Louis Metalcrafts, Inc., St. Louis, Mo. Baby drinking cups made of sterling silver, or silver-plated. 545,414, July 17; Serial No. 601,379. Class 28.

St. Paul & Tacoma Lumber Co., Tacoma, Wash. Shingles. 285,070, renewed July 14, 1951. O. G. July 17. Class 12.

Sarah Lee Kitchen: *See*—
Jones, Sallie C.

Savings Oil Company, Tupelo, Miss. Gasoline, motor oil, Diesel fuel, etc. 545,417, July 17; Serial No. 604,810. Class 15.

Schadt & Mathewson, Detroit, Mich. Bed pillows, baby cushions, mattresses, etc. 545,258, July 17; Serial No. 597,629, published Apr. 10, 1951. Class 32.

Schnefel Bros. Corporation: *See*—
Schnefel Bros., Inc.

Schnefel Bros., Inc., to Schnefel Bros. Corporation, Newark, N. J. Cuticle remover. 287,475, renewed Sept. 29, 1951. O. G. July 17. Class 51.

Schnefel Bros., Inc., to Schnefel Bros. Corporation, Newark, N. J. Tweezers. 287,570, renewed Sept. 29, 1951. O. G. July 17. Class 44.

Schoedinger, F. O., Columbus, Ohio. Gas heaters, automatic gas heated hot-water systems. 284,565, renewed July 7, 1951. O. G. July 17. Class 34.

Schweitzer, Peter J., Inc.: *See*—
Brown & Williamson Tobacco Corporation.

Scientific Glass Apparatus Co., Inc., Bloomfield, N. J. Balances, balance weight set cases, etc. 545,068, July 17; Serial No. 560,295, published Apr. 10, 1951. Class 26.

Seabrook Associates, Tyrone, Pa. Peanuts. 545,288, July 17; Serial No. 599,124, published Apr. 10, 1951. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Shower stalls, chemical toilets, closet seats, etc. 545,052, July 17; Serial No. 550,444, published Apr. 17, 1951. Class 13.

Sears, Roebuck and Co., Chicago, Ill. Plumbing connected dairy and hog drinking bowls, float valves, etc. 545,096, July 17; Serial No. 570,641, published Apr. 24, 1951. Class 13.

Sears, Roebuck and Co., Chicago, Ill. Thermostatically controlled temperature indicating devices. 545,097, July 17; Serial No. 570,651, published Apr. 10, 1951. Class 26.

Sears, Roebuck and Co., Chicago, Ill. Cosmetic preparations. 545,109, July 17; Serial No. 573,684, published Apr. 17, 1951. Class 51.

Sears, Roebuck and Co., Chicago, Ill. Wool and fiber rugs and carpeting. 545,140, July 17; Serial No. 581,083, published Apr. 17, 1951. Class 42.

Service Industries, Philadelphia, Pa. Water soluble composition. 545,208, July 17; Serial No. 591,320, published May 1, 1951. Class 6.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Closet bowl cleaner, porcelain cleaner and polish. 286,815, renewed Sept. 8, 1951. O. G. July 17. Class 4.

Sexton, John, & Co., Chicago, Ill. Paper drinking cups. 545,126, July 17; Serial No. 578,707, published Apr. 17, 1951. Class 2.

Seymour Mercantile Co., New York, N. Y. Men's and boys' apparel belts, men's and boys' suspenders, etc. 545,148, July 17; Serial No. 582,449, published Apr. 17, 1951. Class 39.

Seymour of Sycamore, Inc., Sycamore, Ill. Sprayable wax. 545,407, July 17; Serial No. 592,521. Class 4.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations useful in the prevention and treatment of bacterial infections and allergic manifestations. 545,343, July 17; Serial No. 601,572, published Apr. 17, 1951. Class 18.

Sheppard, Witt A., Scappoose, Oreg. Tonic or dressing for the hair. 545,211, July 17; Serial No. 591,960, published Apr. 17, 1951. Class 51.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticide. 545,142, July 17; Serial No. 581,381, published Apr. 10, 1951. Class 6.

Sherwood Brothers Incorporated, Baltimore, Md. Hydrocarbon solvents for cleansers, etc. 282,000, renewed Apr. 7, 1951. O. G. July 17. Class 52.

Shifman Bros., Newark, N. J. Mattresses. 545,332–3, July 17; Serial Nos. 600,918–19, published Apr. 24, 1951. Class 32.

Shifman Bros., Newark, N. J. Mattresses. 545,334–5, July 17; Serial Nos. 600,922–3, published Apr. 24, 1951. Class 32.

Shifman Bros., Newark, N. J. Mattresses. 545,336, July 17; Serial No. 600,926, published Apr. 24, 1951. Class 32.

Shotwell Mfg. Co., The, Chicago, Ill. Candy. 545,036, July 17; Serial No. 533,626, published Apr. 17, 1951. Class 46.

Silvertex Company, The, Philadelphia, Pa. Men's, boys', women's, and children's outer garments. 545,072, July 17; Serial No. 562,617, published Feb. 28, 1950. Class 39.

Simmons Company, New York, N. Y. Bedsprings. 545,312, July 17; Serial No. 600,087, published Apr. 24, 1951. Class 32.

Simon, Healey & Goldstein, Inc., New York, N. Y. Starched sheer fabric in the piece. 545,080, July 17; Serial No. 564,529, published Apr. 17, 1951. Class 42.

Simonin's, C. F., Sons, Inc., Philadelphia, Pa. Edible coconut oil. 545,170, July 17; Serial No. 586,992, published Apr. 17, 1951. Class 46.

Slumber Products Corporation, Memphis, Tenn. Mattresses. 545,321, July 17; Serial No. 600,453, published Apr. 24, 1951. Class 32.

Smith, Floyd I., doing business as Aquafine Co., Los Angeles, Calif. Water sterilizers utilizing ultra-violet radiation. 545,116, July 17; Serial No. 575,676, published Apr. 24, 1951. Class 21.

Smith, Kline & French Laboratories, Philadelphia, Pa. Anesthetic. 545,238, July 17; Serial No. 596,531, published Apr. 17, 1951. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 545,239, July 17; Serial No. 596,532, published Apr. 17, 1951. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 545,279–80, July 17; Serial Nos. 598,682–3, published Apr. 3, 1951. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Vitamin preparation. 545,281, July 17; Serial No. 598,685, published Apr. 3, 1951. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 545,282, July 17; Serial No. 598,687, published Apr. 3, 1951. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 545,314, July 17; Serial No. 600,151, published Apr. 10, 1951. Class 18.

Smith, Milton T., doing business as Economy Furniture Upholstery, Austin, Tex. Beds, chests, desks, etc. 545,253, July 17; Serial No. 597,471, published Apr. 24, 1951. Class 32.

Smith Vegetable Company, Phoenix, Ariz. Fresh vegetables. 545,065, July 17; Serial No. 559,740, published Apr. 24, 1951. Class 46.

Snower, M., & Company, Chicago, Ill. Cotton piece fabrics. 544,230, July 17; Serial No. 595,796, published Apr. 17, 1951. Class 42.

Societe Le Carbone Lorraine, Paris, France. Electric lamps, battery poles, carbon brushes, etc. 545,067, July 17; Serial No. 560,137, published Aug. 22, 1950. Class 21.

South Bend Bait Company, South Bend, Ind. Artificial fishing baits and lures. 545,344, July 17; Serial No. 601,810, published Apr. 24, 1951. Class 22.

South Coast Corporation, The, New Orleans, La. Sugar cane syrup. 405,705, Feb. 15, 1944. Canceled June 15, 1951. O. G. July 17. Class 46.

Southern Foods: *See*—
Tillman, John.

Southern Rice Sales Company, Inc., to River Brand Rice Mills, Inc., New York, N. Y. Rice, barley, dried peas, etc. 285,927, renewed Aug. 11, 1951. O. G. July 17. Class 46.

Spano: *See*—
Spano, Anthony T.

Spano, Anthony T., doing business as Spano, New York, N. Y. Scalp and hair conditioner and dandruff remover. 444,529, July 17; Serial No. 522,299, published Apr. 3, 1951. Class 51.

Spence, Bryson & Company Limited, Belfast, Northern Ireland. Piece goods. 545,121, July 17; Serial No. 577,078, published Apr. 24, 1951. Class 42.

Sperry Corporation, The, Great Neck, N. Y. Navigational and gyroscopic flight instruments. 545,095, July 17; Serial No. 570,330, published Apr. 10, 1951. Class 26.

Spiegel, Inc., Chicago, Ill. Women's slacks, skirts, blouses, slips, etc. 545,179, July 17; Serial No. 588,401, published Apr. 3, 1951. Class 39.

Spratt's Patent (America) Limited, London, England. Dog food. 285,089, renewed July 14, 1951. O. G. July 17. Class 46.

Squibb, E. R., & Sons, New York, N. Y. Estrogenic preparations. 545,210, July 17; Serial No. 591,752, published Apr. 17, 1951. Class 18.

Standard Brands Incorporated: *See*—
Price Baking Powder Company.

Standard Chemical Company: *See*—
Harwick, Curtis J.

Standard Food Mfg. Co.: *See*—
Griggs, Cooper & Company.

Stanley Home Products, Inc., Westfield, Mass. Chemical disinfectant. 545,260, July 17; Serial No. 597,788, published Apr. 24, 1951. Class 6.

Stanley Home Products, Inc., Westfield, Mass. Clothes washers and clothespins. 545,361, July 17; Serial No. 604,400, published Apr. 24, 1951. Class 24.

Stanley Works, The, New Britain, Conn. Electric tools. 287,704, renewed Oct. 6, 1951. O. G. July 17. Class 21.

Steatite & Porcelain Products Limited, Slough, England. Resistors and resistance coatings on ceramic insulators for controlling electrical stress. 545,085, July 17; Serial No. 567,662, published May 30, 1950. Class 21.

Sternaman, Bertha: *See*—
Illumilite Company, Inc.

Stroock, S., & Co. Inc., New York, N. Y. Blankets. 545,063, July 17; Serial No. 558,963, published Apr. 17, 1951. Class 42.

Suffolk Oil Mill, Incorporated, Suffolk, Va. Edible peanut oil. 545,175, July 17; Serial No. 588,052, published Apr. 3, 1951. Class 46.

Sun Vertikal Blind Company, Grand Rapids, Mich. Window blinds. 545,317, July 17; Serial No. 600,236, published Apr. 24, 1951. Class 32.

Superflex Plywood Corporation, New York, N. Y. Flexible plywood. 545,397, July 17; Serial No. 584,168. Class 12.

Svenska Chokladfabriks Aktiebolaget Cloetta, Ljungsbro, Sweden. Candy. 545,259, July 17; Serial No. 597,712, published Apr. 17, 1951. Class 46.

Swank, Inc., Attleboro, Mass. Belt buckles. 545,292, July 17; Serial No. 599,278, published Apr. 24, 1951. Class 28.

Swan's Enterprises, Inc., Andrews, N. C. Preparation and treatment for the relief of arthritis, paralysis, etc. 545,171, July 17; Serial No. 587,056, published Apr. 17, 1951. Class 18.

Tablerock Laboratories, Inc., Greenville, S. C. Synthetic narcotic. 545,111, July 17; Serial No. 573,993, published Apr. 10, 1951. Class 18.

Taft Pharmaceutical Company, Incorporated, New Haven, Conn. Medicinal preparation. 545,283, July 17; Serial No. 598,692, published Apr. 3, 1951. Class 18.

Taylor-Reed Corporation, The, Glenbrook, Conn. Piecrust and pastry mix and frosting mixes. 545,274, July 17; Serial No. 598,442, published Mar. 27, 1951. Class 46.

Taylor, Taylor & Hobson Limited, Leicester, England. Instruments for measuring deviations, etc. 545,251, July 17; Serial No. 597,370, published Apr. 17, 1951. Class 26.

Tel-A-Ray Enterprises, Inc., Henderson, Ky. Television antennae. 545,360, July 17; Serial No. 604,282, published Apr. 17, 1951. Class 21.

Telrex Inc., Asbury Park, N. J. Radio and/or television antennas. 545,231, July 17; Serial No. 595,862, published Apr. 24, 1951. Class 21.

Tillman, John, doing business as Southern Foods, assignor, by mesne assignments, to Rose City Foods, Inc., Thomasville, Ga. Peanut oil and peanut butter, mayonnaise, etc. 444,532, July 17; Serial No. 525,984, published Apr. 17, 1951. Class 46.

Todd, A. M., Company, Kalamazoo, Mich. Natural oil of peppermint. 545,100, July 17; Serial No. 571,367, published Apr. 17, 1951. Class 6.

Toughbuoy Co.: *See*—
Adams, Paul L.

Trans-American Van Service, Inc., Chicago, Ill. Motor van transportation and warehousing service. 545,362, July 17; Serial No. 527,801, published Apr. 17, 1951. Class 105.

Traverse Vertical Blind Co., Inc., Wichita, Kans. Venetian blinds. 545,284, July 17; Serial No. 598,764, published Apr. 10, 1951. Class 32.

Trav-L-Craft, Philadelphia, Pa. Baggage. 545,132, July 17; Serial No. 579,638, published Apr. 10, 1951. Class 3.

Trianco Limited, Surrey, England. Automatic heating boilers; calorifiers; fans; etc. 545,169, July 17; Serial No. 586,902, published Apr. 17, 1951. Class 34.

Truck Engineering Company, The, Fort Wayne, Ind. Vehicle bodies. 545,077, July 17; Serial No. 563,441, published Mar. 14, 1950. Class 19.

Turkin, Nathan H., doing business under the name of Kenron Steel Products, Chicago, Ill. Gas and oil fired space heaters, gas automatic water heaters, etc. 545,226, July 17; Serial No. 594,503, published Apr. 17, 1951. Class 34.

Turlock Co-Operative Growers, Modesto, Calif. Canned fruits. 545,025, July 17; Serial No. 510,815, published Apr. 19, 1949. Class 46.

Tweco Products Company, Wichita, Kans. Welding electrode holders, etc. 545,200, July 17; Serial No. 590,722, published Apr. 17, 1951. Class 21.

Tweco Products Company, Wichita, Kans. Welding electrode holders and parts therefor. 545,201, July 17; Serial No. 590,723, published Apr. 17, 1951. Class 21.

Ubiko Milling Company, The, St. Bernard, Ohio. Livestock feed. 545,086, July 17; Serial No. 567,815, published Mar. 20, 1951. Class 46.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

Umatilla Fruit Company, The, Umatilla, Fla. Fresh citrus fruits. 545,250, July 17; Serial No. 597,364, published Mar. 20, 1951. Class 46.

Union Carbide and Carbon Corporations *See*—
United States Vanadium Corporation.

United Board & Carton Corporation, New York, N. Y. Collapsible paperboard bottle cartons. 545,112, July 17; Serial No. 574,120, published Apr. 10, 1951. Class 2.

United Conveyor Corporation, Chicago, Ill. Conveyors and conveying systems. 287,730, renewed Oct. 6, 1951. O. G. July 17. Class 23.

United Farmers Dairy Stores, Inc., Boston and Charlestown, Mass. Ice cream. 419,483, Feb. 19, 1946. Canceled June 15, 1951. O. G. July 17. Class 46.

United Metal Box Co., Inc., Brooklyn, N. Y. Metal trash cans, hampers. 545,048, July 17; Serial No. 544,938, published Apr. 17, 1951. Class 2.

United States Rubber Company, The: *See*—
Martin, Glenn L., Company, The.

United States Vanadium Corporation, New York, N. Y., now by merger Union Carbide and Carbon Corporation. Aluminum acetate. 545,188, July 17; Serial No. 589,610, published May 1, 1951. Class 6.

United Tube Corporation, Elwood City, Pa. Base-metal plates, service trays and bowls. 545,022, July 17; Serial No. 496,411, published Apr. 10, 1951. Class 13.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 545,267, July 17; Serial No. 597,987, published Apr. 3, 1951. Class 18.

Upjohn Company, The, Kalamazoo, Mich. Veterinary ointment. 545,324, July 17; Serial No. 600,519, published Apr. 10, 1951. Class 18.

Urbana Laboratories, The, Urbana, Ill. Solution for testing soils. 286,228, renewed Aug. 25, 1951. O. G. July 17. Class 6.

Urman-Burger Hat Mfg. Co., The, Cleveland, Ohio. Men's hats. 282,652, renewed Apr. 28, 1951. O. G. July 17. Class 39.

Valley Citrus Packing Co., Phoenix, Ariz. Fresh citrus fruit. 545,130, July 17; Serial No. 579,237, published Apr. 17, 1951. Class 46.

Vascoloy-Ramet Corporation: *See*—
Fansteel Products Company, Inc.

Verona Chemical Company, Newark, N. J. Odoriferous and aromatic chemicals. 545,310, July 17; Serial No. 600,001, published Apr. 24, 1951. Class 6.

Voigt Milling Company, Grand Rapids, Mich. All kinds of flour. 83,375, re-renewed Sept. 5, 1951. O. G. July 17. Class 46.

Waco Aircraft Company, The, Troy, Ohio. Airplanes and automotive truck bodies. 545,055, July 17; Serial No. 552,191, published Apr. 17, 1951. Class 19.

Walkalon Mfg. Company, Chicago, Ill. Children's dolls and doll clothes. 545,353, July 17; Serial No. 602,982, published May 1, 1951. Class 22.

Wallace, Scott & Co., Limited, Glasgow, Scotland. Rainproof coats, capes, jackets, etc. 81,040, re-renewed Feb. 21, 1951. O. G. July 17. Class 39.

Waltham Watch Company, Waltham, Mass. Watches, watchcases, watch-movements, and parts thereof. 82,124, re-renewed May 30, 1951. O. G. July 17. Class 27.

Waltham Watch Company, Waltham, Mass. Watch-movements, watches, and parts thereof. 82,185, re-renewed June 6, 1951. O. G. July 17. Class 27.

Warner-Hudnut, Inc.: *See*—
Warner, William R., & Co., Inc.

Warner, William R., & Co., Inc., New York, N. Y., now by change of name Warner-Hudnut, Inc. Preparation for treatment of vitamin B deficiencies. 545,277, July 17; Serial No. 598,554, published Apr. 3, 1951. Class 18.

Washington Technical Laboratories, Inc., Washington, Pa. Metal polish. 545,403, July 17; Serial No. 590,402. Class 4.

Watson Manufacturing Company, Inc., Jamestown, N. Y. Elongated, open-top file racks or cases. 545,270, July 17; Serial No. 598,137, published Mar. 13, 1951. Class 32.

Weinreich Brothers Company, New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. 545,380. July 17; Serial No. 558,609. Class 28.

Weinreich Brothers Company, New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. 545,309. July 17; Serial No. 584,936. Class 28.

Weinreich Brothers Company, New York, N. Y. Jewelry findings. 545,411, July 17; Serial No. 599,295. Class 28.

Wene, Elmer H., doing business as Wene Poultry Laboratories, Vineland, N. J. Medicinal preparation. 545,247. July 17; Serial No. 597,112, published Apr. 17, 1951. Class 18.

Wene Poultry Laboratories: *See*—
Wene, Elmer H.

West Disinfecting Company, Long Island City, N. Y. Insecticides. 545,325. July 17; Serial No. 600,635, published May 1, 1951. Class 6.

West Virginia Pulp and Paper Company, New York, N. Y. Fiber board for use for electrical insulation. 545,219. July 17; Serial No. 592,964, published Apr. 17, 1951. Class 21.

Western Burlap Bag Company, Chicago, Ill. Textile bags, paper bags, plastic bags. 545,183, July 17; Serial No. 588,997, published Apr. 17, 1951. Class 2.

Western Garment Company, St. Louis, Mo. Ladies' and misses' coats, suits and dresses. 545,393, July 17; Serial No. 575,958. Class 39.

Western Milling Company: *See*—
Preston-Shaffer Milling Co.
Western Seed Company, The, to The Western Seed Company, Denver, Colo. Field, garden, flower, etc., seeds. 280,702, renewed Feb. 24, 1951. O. G. July 17. Class 1.
White, E. A., Limited, Paddock Wood, to Plant Protection Limited, Yalding, Kent, England. Insecticide. 80,964, re-renewed Feb. 14, 1951. O. G. July 17. Class 6.
Whitman, Norman, Omaha, Nebr. Procuring buyers of businesses, together with the real estate on which such businesses are located, etc. 545,368, July 17; Serial No. 581,226, published Apr. 17, 1951. Class 102.
Williams, C. K., & Co., East St. Louis, Ill. Finely divided dry solid colors. 545,083, July 17; Serial No. 565,895, published Apr. 17, 1951. Class 6.
Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Agricultural pesticides. 545,233–4, July 17; Serial Nos. 595,997–8, published Apr. 24, 1951. Class 6.
Winthrop Jewels, Inc., New York, N. Y. Watches. 519,146, Dec. 20, 1949. Canceled June 15, 1951. O. G. July 17. Class 27.
Wolff Freres, Inc., New York, N. Y. Perfumes, eau de cologne, bath essences, etc. 504,223, Nov. 23, 1948. Canceled June 15, 1951. O. G. July 17. Class 51. Formerly class 6.)
Wood, John, Company: *See*—
Bennett Pumps Corporation.
Woodwork Corporation of America, Chicago, Ill. Showcases, counters, cabinets, etc. 545,037, July 17; Serial No. 535,778, published Apr. 24, 1951. Class 32.
Worumbo Manufacturing Company, Bath, to Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen fabrics. 286,862, renewed Sept. 8, 1951. O. G. July 17. Class 42.
Yale & Towne Manufacturing Company, The, New York, N. Y. Motor driven trucks. 545,062, July 17; Serial No. 557,643, published Apr. 10, 1951. Class 19.
Yellowstone Honey Syrup Company: *See*—
Dittmer, Henry W.
Ygrene Company: *See*—
Pollina, Mariano.
Young, L. A., Spring & Wire Corporation, San Leandro, Calif. Display racks. 545,147, July 17; Serial No. 582,370, published Apr. 10, 1951. Class 32.
Zip Sales Corporation of New York, New York, N. Y., assignor to Jean Jordeau, Inc., South Orange, N. J., by Jean Jordeau, Inc., South Orange, N. J. Pharmaceutical preparations. 324,648, May 28, 1935. Republished July 17. Class 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Poultry litter. Baw Industries. 545,378, July 17; Serial No. 498,880.
Resins. E. I. du Pont de Nemours and Company. 283,059, May 12, 1931. Republished July 17.
Seeds, Field, garden, flower, etc. The Western Seed Company. 280,702, renewed Feb. 24, 1951. O. G. July 17.
Wood pulp. Gottesman and Company, Incorporated. 366,729, Apr. 25, 1939. Canceled June 20, 1951. O. G. July 17.

CLASS 2

Bags, Paper. Bemis Bro. Bag Company. 545,119, July 17; Serial No. 576,508, published Apr. 24, 1951.
Bags, Paper. Gulf States Paper Corporation. 545,051, July 17; Serial No. 547,633, published Apr. 17, 1951.
Bags, Paper. Gulf States Paper Corporation. 545,290, July 17; Serial No. 599,168, published Apr. 17, 1951.
Bags, Textile, paper bags, plastic bags. Western Burlap Bag Company. 545,183, July 17; Serial No. 588,997, published Apr. 17, 1951.
Bins, Portable Metal. The Petersen Oven Company. 545,181, July 17; Serial No. 588,766, published Apr. 17, 1951.
Cartons, Collapsible paperboard bottle. United Board & Carton Corporation. 545,112, July 17; Serial No. 574,120, published Apr. 10, 1951.
Chests, Empty tool, hopper bins, tool boxes, etc. Lyon Metal Products, Incorporated. 545,042, July 17; Serial No. 537,203, published Apr. 26, 1949.
Containers, Plastic tubular. Lusteroid Container Company, Inc. 444,528, July 17; Serial No. 508,684, published Apr. 10, 1951.
Crates, Collapsible metal poultry. National Automatic Tool Company, Inc. 545,139, July 17; Serial No. 580,851, published Apr. 17, 1951.
Cups, Paper drinking. John Sexton & Co. 545,126, July 17; Serial No. 578,707, published Apr. 17, 1951.
Holders or racks, Knife. Robeson Cutlery Company, Inc. 545,043, July 17; Serial No. 537,732, published Apr. 10, 1951.
Plastic dinner dish ware. International Molded Plastics, Inc. 545,276, July 17; Serial No. 598,477, published Apr. 10, 1951.
Pouches and bags, Commodity and merchandising. Milprint, Inc. 545,401, July 17; Serial No. 588,257.
Receptacles, Plastic. Plastic Molders, Inc. 545,136, July 17; Serial No. 579,831, published Apr. 17, 1951.
Reels in the nature of receptacles. Clifford B. Hannay & Son, Inc. 545,278, July 17; Serial No. 598,585, published Apr. 10, 1951.
Trash cans, Metal, hampers. United Metal Box Co., Inc. 545,048, July 17; Serial No. 544,938, published Apr. 17, 1951.
Vase. A. J. Norman, Jr. 545,245, July 17; Serial No. 596,933, published Apr. 24, 1951.

CLASS 3

Baggage. Trav-L-Craft. 545,132, July 17; Serial No. 579,638, published Apr. 10, 1951.
Cases, Train, cosmetic cases, round hat cases, etc. American Luggage Works Inc. 545,194, July 17; Serial No. 590,574, published Apr. 10, 1951.
Handbags, Ladies'. Pichel Inc. 545,157–8, July 17; Serial Nos. 584,290–1, published Apr. 10, 1951.
Handbags, wallets, playing card cases, etc. E. L. Oppenheim. 545,227, July 17; Serial No. 594,985, published Apr. 10, 1951.
Riding equipment and accessories. Gemsco, Inc. 287,057, renewed Sept. 15, 1951. O. G. July 17.

CLASS 4

Cleaner, Closet bowl, porcelain cleaner and polish. J. A. Sexauer Mfg. Co., Inc. 286,815, renewed Sept. 8, 1951. O. G. July 17.
Metal polish. Washington Tecnical Laboratories, Inc. 545,403, July 17; Serial No. 590,402.
Sprayable wax. Seymour of Sycamore, Inc. 545,407, July 17; Serial No. 592,521.

CLASS 6

Acid solution, Mildly. The Edwal Laboratories, Inc. 545,033, July 17; Serial No. 527,830, published Apr. 10, 1951.
Adhesion-preventing material. C. J. Harwick. 344,546, Mar. 30, 1937. Republished July 17.
Adhesion-preventing material. C. J. Harwick. 351,555, Nov. 2, 1937. Republished July 17.
Adhesive tape remover. Carand Corporation. 545,176, July 17; Serial No. 588,201, published Apr. 24, 1951.
Aerosol insecticidal compositions. Allied Chemical & Dye Corporation. 545,311, July 17; Serial No. 600,013, published Apr. 10, 1951.
Aluminum acetate. United States Vanadium Corporation. 545,188, July 17; Serial No. 589,610, published May 1, 1951.
Bleach preparation. H. G. Hill Stores, Inc. 545,329, July 17; Serial No. 600,832, published May 1, 1951.
Borates in crystallin, granular and powdered form. American Potash & Chemical Corporation. 545,294, July 17; Serial No. 599,411, published Apr. 24, 1951.
Camphor crystals. A. & J. Mfg. Co. 545,327, July 17; Serial No. 600,802, published May 1, 1951.
Catalyst compositions. National Aluminate Corporation. 545,137, July 17; Serial No. 580,141, published Apr. 17, 1951.
Chemical compositions. Arkansas Company, Inc. 545,405, July 17; Serial No. 591,272.
Chemical disinfectant. Stanley Home Products, Inc. 545,260, July 17; Serial No. 597,788, published Apr. 24, 1951.
Chemical preparation. Lever Brothers Company. 545,318, July 17; Serial No. 600,294, published Apr. 24, 1951.
Chemical preparation. National Cylinder Gas Company. 545,319, July 17; Serial No. 600,389, published Apr. 24, 1951.
Chemical preparation. Ozonol Laboratories (1930) Limited. 545,220, July 17; Serial No. 593,236, published May 1, 1951.
Chemical weed killer. The Albert Dickinson Company. 545,135, July 17; Serial No. 579,742, published May 1, 1951.
Composition for preventing the icing of windows, etc. Petroleum Solvents Corporation. 545,105, July 17; Serial No. 572,375, published May 1, 1951.
Cresylic acid. Ehrhart & Arthur, Inc. 545,320, July 17; Serial No. 600,423, published Apr. 24, 1951.
Finely divided dry solid colors. C. K. Williams & Co. 545,083, July 17; Serial No. 565,895, published Apr. 17, 1951.
Finely divided silica. Pittsburgh Plate Glass Company. 545,141, July 17; Serial No. 581,208, published Apr. 10, 1951.
Formaldehyde. Celanese Corporation of America. 545,328, July 17; Serial No. 600,813, published May 1, 1951.
Insect repellent. House of Huston, Inc. 545,406, July 17; Serial No. 591,620.
Insecticide. The Sherwin-Williams Company. 545,142, July 17; Serial No. 581,381, published Apr. 10, 1951.

Insecticide. E. A. White Limited. 80,964, re-renewed Feb. 14, 1951. O. G. July 17.
Insecticides. Julius Hyman & Company. 545,155, July 17; Serial No. 583,694, published May 1, 1951.
Insecticides. West Disinfecting Company. 545,325, July 17; Serial No. 600,635, published May 1, 1951.
Insecticides and fungicides, Agricultural. Chipman Chemical Company, Inc. 545,041, July 17; Serial No. 536,767, published Aug. 24, 1948.
Insecticides and wood preservatives. Koppers Products Company. 284,033, renewed June 9, 1951. O. G. July 17.
Liquid leather dressing. The Cramer Chemical Company. 545,162, July 17; Serial No. 584,973, published May 1, 1951.
Monesters of polyhydric alcohols. Distillation Products, Inc. 545,182, July 17; Serial No. 588,918, published Apr. 24, 1951.
Natural oil of peppermint. A. M. Todd Company. 545,100, July 17; Serial No. 571,367, published Apr. 17, 1951.
Odoriferous and aromatic chemicals. Verona Chemical Company. 545,310, July 17; Serial No. 600,001, published Apr. 24, 1951.
Paraffine wax. The Coleman and Bell Company. 545,228, July 17; Serial No. 595,246, published Apr. 17, 1951.
Pesticides, Agricultural. Wilson & Toomer Fertilizer Co. 545,233–4, July 17; Serial Nos. 595,997–8, published Apr. 24, 1951.
Phosphating chemicals. Parker Rust Proof Company. 545,315–16, July 17; Serial Nos. 600,188–89, published May 1, 1951.
Pigment colors and lake colors. H. Kohnstamm & Co., Inc. 545,255, July 17; Serial No. 597,530, published Apr. 17, 1951.
Preparation for preserving the foliage of Christmas trees. Glisdorf & Deklotz. 545,400, July 17; Serial No. 585,044.
Solution for testing soils. The Urbana Laboratories. 286,228, renewed Aug. 25, 1951. O. G. July 17.
Solution for treating nylon stockings. Capskar, Inc. 545,152, July 17; Serial No. 583,329, published Apr. 24, 1951.
Synthetic resinous compositions. The Glenn L. Martin Company. 545,164, July 17; Serial No. 585,073, published Apr. 24, 1951.
Water soluble composition. Service Industries. 545,208, July 17; Serial No. 591,320, published May 1, 1951.
Wax emulsions. Franklin Research Company. 545,322, July 17; Serial No. 600,476, published Apr. 24, 1951.

CLASS 8

Cigarette paper and cigarette paper booklets. Brown & Williamson Tobacco Corporation. 285,486, renewed July 28, 1951. O. G. July 17.

CLASS 9

Explosives, safety explosives for mines, gaseous explosives, etc. Aktiebolaget Bofors. 545,225, July 17; Serial No. 594,350, published Feb. 20, 1951.
Matches. Haldens Taendstikfabrik. 81,700–1, re-renewed May 2, 1951. O. G. July 17.

CLASS 12

Board, Fiber thermal insulating. Cornell Wood Products Company. 282,641, renewed Apr. 28, 1951. O. G. July 17.
Concrete units. The Maul Company. 285,666, renewed Aug. 4, 1951. O. G. July 17.
Pipe joint compound in stick form. Chicago Specialty Manufacturing Company. 545,395, July 17; Serial No. 577,515.
Plywood, Flexible. Superflex Plywood Corporation. 545,397, July 17; Serial No. 584,168.
Shingles. St. Paul & Tacoma Lumber Co. 285,070, renewed July 14, 1951. O. G. July 17.

CLASS 13

Cocktail shakers. Maxwell-Phillip Co., Inc. 545,389, July 17; Serial No. 565,001.
Couplings and unions, Metal pipe. National Tank Company. 545,204, July 17; Serial No. 591,045, published Apr. 10, 1951.
Dispensers, Toilet tissue. Chicago Towel Company. 545,338, July 17; Serial No. 601,094, published Apr. 24, 1951.
Door-bells, door-knobs, door-knockers, etc., Mechanically operated. The American Hardware Corporation. 545,387, July 17; Serial No. 561,415.
Drainboards and cocktail units in the nature of sinks. Petersen Show Case & Fixture Company. 545,379, July 17; Serial No. 518,448.
Floats for valves. P. L. Adams. 545,163, July 17; Serial No. 585,046, published Apr. 24, 1951.
Gas and oil separators. Consolidated Western Steel Corporation. 545,287, July 17; Serial No. 599,083, published Apr. 24, 1951.
Hose coupling. E. Longfellow. 545,098, July 17; Serial No. 570,711, published Apr. 10, 1951.
Metal containers, Enameled. The Bellaire Enamel Company. 545,118, July 17; Serial No. 576,440, published Oct. 3, 1950.
Metal serving trays. Pabst Brewing Company. 545,269, July 17; Serial No. 598,032, published Apr. 10, 1951.
Plates, Base-metal, service trays and bowls. United Tube Corporation. 545,022, July 17; Serial No. 496,411, published Apr. 10, 1951.
Plumbing connected dairy and hog drinking bowls, float valves, etc. Sears, Roebuck and Co. 545,096, July 17; Serial No. 570,641, published Apr. 24, 1951.
Shoe holder. Roger H. David, Inc. 545,184, July 17; Serial No. 589,198, published Apr. 17, 1951.
Shower stalls, chemical toilets, closet seats, etc. Sears, Roebuck and Co. 545,052, July 17; Serial No. 550,444, published Apr. 17, 1951.
Staples. Markwell Manufacturing Company, Inc. 545,307, July 17; Serial No. 599,768, published Apr. 17, 1951.
Steel pipe. Jones & Laughlin Steel Corporation. 545,237, July 17; Serial No. 596,426, published Apr. 10, 1951.
Toilet seats. C. F. Church Mfg. Co. 545,382, July 17; Serial No. 551,948.
Tubing, Copper and brass, flap valves, etc. Bijur Lubricating Corporation. 545,031, July 17; Serial No. 526,190, published Apr. 24, 1951.
Wire, Stove pipe, welded wire fabric, hardware cloth, etc. Northwestern Steel and Wire Company. 545,185, July 17; Serial No. 589,331, published Apr. 17, 1951.
Wood screws and sheet metal screws. The Blake & Johnson Company. 545,107, July 17; Serial No. 573,612, published Apr. 10, 1951.

CLASS 14

Iron castings, Gray and white. Hamilton Foundry and Machine Company. 545,102, July 17; Serial No. 571,860, published Apr. 3, 1951.
Metal castings. Nichols Engineering & Research Corp. 444,530, July 17; Serial No. 525,659, published Sept. 16, 1947.
Tin, terne, zinc and black plates. The Redbrook Tinplate Co. Limited. 81,548, re-renewed Apr. 18, 1951. O. G. July 17.
Wire, Music, tempered spring steel and flat wire. Precision Steel Warehouse, Inc. 545,409, July 17; Serial No. 594,333.

CLASS 15

Gasoline, motor oil, Diesel fuel, etc. Savings Oil Company. 545,417, July 17; Serial No. 604,810.

CLASS 16

Coating, preservative, and polish, Liquid floor. Milwaukee Lubricants Co. 285,900, renewed Aug. 11, 1951. O. G. July 17.
Floor polish, furniture cream, floor dressing, and motor car polish. Ronuk, Limited. 285,759, renewed Aug. 4, 1951. O. G. July 17.
Paint, Anti-corrosive and anti-fouling, mixed paint, and enamels. Holzapfels Limited. 83,069, re-renewed Aug. 15, 1951. O. G. July 17.
Paints, Ready mixed. International Compositions Company, Inc. 287,407, renewed Sept. 29, 1951. O. G. July 17.
Wood stain. Ronuk, Limited. 284,169, renewed June 16, 1951. O. G. July 17.
Wood stains, fillers, dry colors. E. I. du Pont de Nemours and Company. 283,712, June 2, 1931. Republished July 17.

CLASS 18

Adrenocorticotropic composition. Armour and Company. 545,296, July 17; Serial No. 599,547, published Apr. 10, 1951.
Analgesic tablets. F. L. Iungerich. 545,337, July 17; Serial No. 601,051, published Apr. 10, 1951.
Anesthetic. Smith, Kline & French Laboratories. 545,238, July 17; Serial No. 596,531, published Apr. 17, 1951.
Antibiotic preparation, Flavored. Chas. Pfizer & Co., Inc. 545,309, July 17; Serial No. 599,972, published Apr. 10, 1951.
Cholinergic-blocking substance. Merck & Co., Inc. 545,131, July 17; Serial No. 579,609, published Apr. 10, 1951.
Enzyme preparation, Injectable. Abbott Laboratories. 545,289, July 17; Serial No. 599,141, published Apr. 17, 1951.
Estrogenic preparations. E. R. Squibb & Sons. 545,210, July 17; Serial No. 591,752, published Apr. 17, 1951.
Glucuronolactone composition. Commercial Solvents Corporation. 545,166, July 17; Serial No. 586,142, published Apr. 17, 1951.
Herbs for use as a medicine, Packaged. R. E. Coon. 545,076, July 17; Serial No. 563,396, published May 1, 1951.
Liquid composition for treating the blood. Mrs. H. Quinn. 281,813, renewed Mar. 31, 1951. O. G. July 17.
Medical preparation. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. 545,229, July 17; Serial No. 595,398, published Apr. 17, 1951.
Medical preparation. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. 545,235, July 17; Serial No. 596,184, published Apr. 17, 1951.

Medical preparation. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. 545,241, July 17; Serial No. 596,681, published Apr. 3, 1951.

Medical preparation. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. 545,242, July 17; Serial No. 596,684, published Apr. 10, 1951.

Medical preparation. Physicians and Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. 545,394, July 17; Serial No. 576,013.

Medicated bandages. D. C. McLintock. 545,081, July 17; Serial No. 564,886, published Apr. 17, 1951.

Medicinal dust inhaler. Bristol Laboratories Inc. 545,108, July 17; Serial No. 573,613, published Apr. 10, 1951.

Medicinal hormone preparation. Organon Inc. 545,339, July 17; Serial No. 601,230, published Apr. 17, 1951.

Medicinal preparation. T. P. Downey. 287,613, renewed Sept. 29, 1951. O. G. July 17.

Medicinal preparation. Smith, Kline & French Laboratories. 545,239, July 17; Serial No. 596,532, published Apr. 17, 1951.

Medicinal preparation. Smith, Kline & French Laboratories. 545,279–80, July 17; Serial Nos. 598,682–3, published Apr. 3, 1951.

Medicinal preparation. Smith, Kline & French Laboratories. 545,282, July 17; Serial No. 598,687, published Apr. 3, 1951.

Medicinal preparation. Smith, Kline & French Laboratories. 545,314, July 17; Serial No. 600,151, published Apr. 10, 1951.

Medicinal preparation. Taft Pharmaceutical Company, Incorporated. 545,283, July 17; Serial No. 598,692, published Apr. 3, 1951.

Medicinal preparation. The Upjohn Company. 545,267, July 17; Serial No. 597,987, published Apr. 3, 1951.

Medicinal preparation. E. H. Wene. 545,247, July 17; Serial No. 597,112, published Apr. 17, 1951.

Medicinal preparation, Injectable. Buffington's, Incorporated. 545,167, July 17; Serial No. 586,449, published Apr. 17, 1951.

Non-protein bacterial pyrogen. Baxter Laboratories, Inc. 545,262, July 17; Serial No. 597,810, published Apr. 10, 1951.

Nutritional concentrate, Natural. M. Pollina. 545,186, July 17; Serial No. 589,410, published Apr. 3, 1951.

Ointment, Veterinary. The Upjohn Company. 545,324, July 17; Serial No. 600,519, published Apr. 10, 1951.

Oral preparation for the treatment of liver conditions. Parke, Davis & Company. 545,206, July 17; Serial No. 591,249, published Apr. 17, 1951.

Pharmaceutical preparation. Curley Company, Incorporated. 545,215, July 17; Serial No. 592,882, published Apr. 17, 1951.

Pharmaceutical preparation, Veterinary. The S. E. Massengill Company. 545,196, July 17; Serial No. 590,681, published Apr. 17, 1951.

Pharmaceutical preparations. Zip Sales Corporation of New York. 324,648, May 28, 1935. Republished July 17.

Preparation and treatment for the relief of arthritis, paralysis, etc. Swan's Enterprises, Inc. 545,171, July 17; Serial No. 587,056, published Apr. 17, 1951.

Preparation for coughs. H. S. Brown. 545,174, July 17; Serial No. 587,314, published Apr. 17, 1951.

Preparation for the relief of athlete's foot, ringworm, toe itch, etc. H. S. Brown. 545,173, July 17; Serial No. 587,313, published Apr. 17, 1951.

Preparation for the treatment of headaches, neuralgias, etc. R. P. Galiano. 545,178, July 17; Serial No. 588,260, published Apr. 10, 1951.

Preparation for treatment of vitamin B deficiencies. William R. Warner & Co., Inc. 545,277, July 17; Serial No. 598,554, published Apr. 3, 1951.

Preparations useful in the prevention and treatment of bacterial infections and allergic manifestations. Sharp & Dohme, Incorporated. 545,343, July 17; Serial No. 601,572, published Apr. 17, 1951.

Remedy for the treatment of piles. C. J. McNeil. 545,143, July 17; Serial No. 581,674, published Apr. 17, 1951.

Respiratory decongestant. The S. E. Massengill Company. 545,195, July 17; Serial No. 590,669, published Apr. 10, 1951.

Steroid substances. Ayerst, McKenna & Harrison Limited. 545,224, July 17; Serial No. 594,092, published Apr. 3, 1951.

Sulfadiazine, Chocolated. Aims Chocolated Pharmaceuticals, Inc. 545,303, July 17; Serial No. 599,685, published Apr. 17, 1951.

Synthetic narcotic. Tablerock Laboratories, Inc. 545,111, July 17; Serial No. 573,993, published Apr. 10, 1951.

Veterinary preparation. The S. E. Massengill Company. 545,197, July 17; Serial No. 590,689, published Apr. 10, 1951.

Veterinary preparation. The S. E. Massengill Company. 545,198–9, July 17; Serial Nos. 590,693–4, published Apr. 10, 1951.

Vitamin food supplement and a mineral food supplement. Nutrilite Products, Inc. 545,212, July 17; Serial No. 592,048, published Apr. 3, 1951.

Vitamin preparation. Smith, Kline & French Laboratories. 545,281, July 17; Serial No. 598,685, published Apr. 3, 1951.

CLASS 19

Airplanes and automotive truck bodies. The Waco Aircraft Company. 545,055, July 17; Serial No. 552,191, published Apr. 17, 1951.

Automobiles. Ford Motor Company. 545,236, July 17; Serial No. 596,335, published Apr. 24, 1951.

Automobiles, busses, automative trucks, etc. Marmon-Herrington Company, Inc. 545,024, July 17; Serial No. 500,620, published Apr. 24, 1951.

Bicycles. D. P. Harris Hardware & Manufacturing Co., Inc. 545,154, July 17; Serial No. 583,650, published Jan. 3, 1950.

Brake parts and wheels, Cast metallic. The Permold Company. 545,161, July 17; Serial No. 584,637, published Apr. 24, 1951.

Cars, Railway dump. Lake Shore Engineering Company. 545,093, July 17; Serial No. 569,525, published May 1, 1951.

Coaches, Trailer. Ideal Industries. 545,122, July 17; Serial No. 577,671, published Apr. 10, 1951.

Motor cycles. Douglas (Kingswood) Limited. 545,059, July 17; Serial No. 557,266, published Apr. 10, 1951.

Passenger carrying unit, Removable. Dixie Tallyho, Inc. 545,191, July 17; Serial No. 590,013, published Apr. 24, 1951.

Pedal pads. Atlas Supply Company. 545,069, July 17; Serial No. 560,374, published Apr. 10, 1951.

Rowboats and motor scooters. Gamble-Skogmo, Inc. 545,146, July 17; Serial No. 582,038, published Apr. 10, 1951.

Trucks, Motor driven. The Yale & Towne Manufacturing Company. 545,062, July 17; Serial No. 557,643, published Apr. 10, 1951.

Trucks; truck casters; composite wheels, etc. St. John & Co. 545,027, July 17; Serial No. 519,702, published Apr. 24, 1951.

Vehicle bodies. The Truck Engineering Company. 545,077, July 17; Serial No. 563,441, published Mar. 14, 1950.

CLASS 21

Antennae, Television. Tel-A-Ray Enterprises, Inc. 545,360, July 17; Serial No. 604,282, published Apr. 17, 1951.

Antennas, Radio and/or television. Telrex Inc. 545,231, July 17; Serial No. 595,862, published Apr. 24, 1951.

Battery charging apparatus. The Hertner Electric Company. 545,301, July 17; Serial No. 599,634, published Apr. 24, 1951.

Blowers, Portable electrically driven cleaning, suction cleaners and sprayers. Breuer Electric Mfg. Co. 545,349, July 17; Serial No. 602,796, published Apr. 17, 1951.

Dictating machines, Electrically operated. Permoflux Corporation. 545,202, July 17; Serial No. 590,758, published Apr. 24, 1951.

Electrical apparatus. Omnipol, Limited Company. 545,066, July 17; Serial No. 559,808, published Apr. 24, 1951.

Electrical appliances. McGraw Electric Company. 545,331, July 17; Serial No. 600,901, published Apr. 24, 1951.

Electrical control apparatus, electrical machines, and electrical supplies. Cutler-Hammer, Inc. 545,127, July 17; Serial No. 578,777, published Apr. 24, 1951.

Electrical cords, Extensible. Kellogg Switchboard and Supply Company. 429,503, Apr. 29, 1947. Disclaimed. O. G. July 17.

Electrode holders and parts therefor, Welding. Tweco Products Company. 545,201, July 17; Serial No. 590,723, published Apr. 17, 1951.

Electrode holders, etc., Welding. Tweco Products Company. 545,200, July 17; Serial No. 590,722, published Apr. 17, 1951.

Electro-magnetic cores. North American Philips Company, Inc. 545,060, July 17; Serial No. 557,381, published Apr. 24, 1951.

Fiber board for use for electrical insulation. West Virginia Pulp and Paper Company. 545,219, July 17; Serial No. 592,964, published Apr. 17, 1951.

Galvanic couple, Self-energizing. E. M. Butler. 545,028, July 17; Serial No. 520,548, published Apr. 24, 1951.

Garbage disposal units, Electrically operated. Admiral Controls, Inc. 545,356, July 17; Serial No. 603,141, published Apr. 17, 1951.

Heaters and parts thereof, Portable electric space. National Die Casting Company. 545,172, July 17; Serial No. 587,117, published Apr. 24, 1951.

Heating elements. Cory Corporation. 545,359, July 17; Serial No. 604,256, published Apr. 17, 1951.

Insulating varnishes and compounds. John C. Dolph Co. 81,510, re-renewed Apr. 18, 1951. O. G. July 17.

Insulators. American Lava Corporation. 545,058, July 17; Serial No. 553,662, published Oct. 25, 1949.

Lamp ballasts, Fluorescent. Electrical Testing Laboratories, Inc. 545,371, July 17; Serial No. 546,261, published May 1, 1951.

Lamp fixtures, Fluorescent. Electrical Testing Laboratories, Inc. 545,373, July 17; Serial No. 546,263, published May 1, 1951.

Lamp holders, Electric, and mountings therefor. The Illumilite Company, Inc. 545,263, July 17; Serial No. 597,829, published Apr. 17, 1951.

Lamp shades. Electrical Testing Laboratories, Inc. 545,377, July 17; Serial No. 546,267, published May 1, 1951.

Lamp starters, Fluorescent. Electrical Testing Laboratories, Inc. 545,372, July 17; Serial No. 546,262, published May 1, 1951.

Lamps and shades therefor, Electrical decorative portable table. E. F. Chapman. 545,180, July 17; Serial No. 588,677, published Apr. 17, 1951.

Lamps, Electric, battery poles, carbon brushes, etc. Societe Le Carbone Lorraine. 545,067, July 17; Serial No. 560,137, published Aug. 22, 1950.

Lamps, Portable electric floor and table. Electrical Testing Laboratories, Inc. 545,374–5, July 17; Serial Nos. 546,264–5, published May 1, 1951.

Motor, Combined electric, and hydraulic coupling drives. Link-Belt Company. 545,346, July 17; Serial No. 602,617, published Apr. 17, 1951.

Reflectors and reflector hoods for electric lights. Benjamin Electric Manufacturing Company. 545,029, July 17; Serial No. 523,736, published Apr. 24, 1951.

Resistors and resistance coatings on ceramic insulators for controlling electrical stress. Steatite & Porcelain Products Limited. 545,085, July 17; Serial No. 567,662, published May 30, 1950.

Sadirons, Electric. Knapp-Monarch Company. 545,341, July 17; Serial No. 601,442, published Apr. 24, 1951.

Separate bases for portable electric lamps. Electrical Testing Laboratories, Inc. 545,376, July 17; Serial No. 546,266, published May 1, 1951.

Separators, Hard rubber. American Hard Rubber Company. 545,345, July 17; Serial No. 602,014, published Apr. 17, 1951.

Storage-battery plates. The Electric Storage Battery Company. 82,219, re-renewed June 13, 1951. O. G. July 17.

Switches, Rotary selector, pressure and vacuum operated switches, etc. Meletron Corporation. 545,357, July 17; Serial No. 603,161, published Apr. 24, 1951.

Television receiving sets. Gold Seal Co., Inc. 545,340, July 17; Serial No. 601,324, published Apr. 24, 1951.

Television receiving sets. Hoffman Radio Corporation. 545,125, July 17; Serial No. 578,692, published Apr. 24, 1951.

Television receiving sets, television transmitting sets, etc. Industria e Comercio Assumpcao S/A. 545,192, July 17; Serial No. 590,369, published Apr. 17, 1951.

Tools, Electric. The Stanley Works. 287,704, renewed Oct. 6, 1951. O. G. July 17.

Water sterilizers utilizing ultra-violet radiation. F. I. Smith. 545,116, July 17; Serial No. 575,676, published Apr. 24, 1951.

CLASS 22

Artificial fish bait. Bill Crowder Bait Co. 545,410, July 17; Serial No. 595,248.

Artificial fishing baits and lures. South Bend Bait Company. 545,344, July 17; Serial No. 601,810, published Apr. 24, 1951.

Dolls and doll clothes, Children's. Waikalon Mfg. Company. 545,353, July 17; Serial No. 602,982, published May 1, 1951.

Golf balls, golf clubs, and golf bags. J. C. Penney Company. 280,620, renewed Feb. 24, 1951. O. G. July 17.

Toy children's savings bank. Banthrico Industries, Inc. 545,408, July 17; Serial No. 593,325.

Toys, Mechanical. Meccano Limited. 83,171, re-renewed Aug. 22, 1951. O. G. July 17.

CLASS 23

Blades for rotary cutter heads, Cutter. E. C. Atkins and Company. 283,211, renewed May 19, 1951. O. G. July 17.

Conveyors and conveying systems. United Conveyor Corporation. 287,730, renewed Oct. 6, 1951. O. G. July 17.

Hack-saw blades. E. C. Atkins and Company. 282,865, renewed May 5, 1951. O. G. July 17.

Sewing machines. Balin Export Company, Inc. 545,285, July 17; Serial No. 598,780, published Apr. 24, 1951.

Tools, Metal working and cutting. Fansteel Products Company, Inc. 284,718, renewed July 7, 1951. O. G. July 17.

CLASS 24

Cover assemblies for the rolls of laundry ironing machines, etc. Benwall Mfg. Co. Inc. 545,355, July 17; Serial No. 603,105, published May 1, 1951.

Laundry washers, Electric, and portable laundry wringers. Chicago Electric Manufacturing Company. 545,034, July 17; Serial No. 529,357, published May 1, 1951.

Laundry washers, Electric, and portable laundry wringers. Chicago Electric Manufacturing Company. 545,035, July 17; Serial No. 529,359, published May 1, 1951.

Washers, Clothes, and clothespins. Stanley Home Products, Inc. 545,361, July 17; Serial No. 604,400, published Apr. 24, 1951.

CLASS 26

Ammeters, milli-ammeters, voltmeters, etc., Portable. Realty and Industrial Corporation. 545,061, July 17; Serial No. 557,629, published Apr. 10, 1951.

Balances, balance weight set cases, etc. Scientific Glass Apparatus Co., Inc. 545,068, July 17; Serial No. 560,295, published Apr. 10, 1951.

Compasses, Magnetic. Hull Manufacturing Company. 545,272, July 17; Serial No. 598,302, published Apr. 10, 1951.

Drawing instruments and drawing articles. Diwa Manufacturing Company. 545,293, July 17; Serial No. 599,315, published Apr. 10, 1951.

Frames and mountings, Ophthalmic. American Optical Company. 545,079, July 17; Serial No. 564,364, published Apr. 10, 1951.

Instruments for measuring deviations, etc. Taylor, Taylor & Hobson Limited. 545,251, July 17; Serial No. 597,370, published Apr. 17, 1951.

Light box or cabinet for exposing printing plates. B. S. Ebersole. 545,265, July 17; Serial No. 597,877, published Apr. 10, 1951.

Liquid dispensing apparatus, Portable. Bennett Pumps Corporation. 285,452, renewed July 28, 1951. O. G. July 17.

Meters, and timers, Parking. M. H. Rhodes, Incorporated. 545,089, July 17; Serial No. 568,663, published Apr. 10, 1951.

Navigational and gyroscopic flight instruments. The Sperry Corporation. 545,095, July 17; Serial No. 570,330, published Apr. 10, 1951.

Philatelic accessories. The Acra Company. 545,046, July 17; Serial No. 543,255, published Apr. 10, 1951.

Temperature indicating devices, Thermostatically controlled. Sears, Roebuck and Co. 545,097, July 17; Serial No. 570,651, published Apr. 10, 1951.

Thermostat. Minneapolis-Honeywell Regulator Company. 545,032, July 17; Serial No. 527,770, published Apr. 17, 1951.

Thermostats, thermostatic temperature controls, thermostatic valves, etc. Robertshaw-Fulton Controls Company. 545,129, July 17; Serial No. 579,153, published Apr. 10, 1951.

CLASS 27

Clocks. Mastercrafters Clock & Radio Company. 545,342, July 17; Serial No. 601,450, published Apr. 24, 1951.

Clocks and watches. Denver Clock & Watch Corporation. 545,354, July 17; Serial No. 603,003, published Apr. 24, 1951.

Watch-movements, watches, and parts thereof. Waltham Watch Company. 82,185, re-renewed June 6, 1951. O. G. July 17.

Watches. Granat Bros. 545,326, July 17; Serial No. 600,672, published Apr. 24, 1951.

Watches. Winthrop Jewels, Inc. 519,146, Dec. 20, 1949. Canceled June 15, 1951. O. G. July 17.

Watches and watch movements. H. Bangerter. 545,203, July 17; Serial No. 590,877, published Apr. 24, 1951.

Watches, Men's and women's. Belmont International, Inc. 545,193, July 17; Serial No. 590,417, published Apr. 24, 1951.

Watches, watch cases and watch movements. The Gruen Watch Company. 545,348, July 17; Serial No. 602,692, published Apr. 24, 1951.

Watches, watchcases, watch-movements, and parts thereof. Waltham Watch Company. 82,124, re-renewed May 30, 1951. O. G. July 17.

CLASS 28

Baby drinking cups made of sterling silver, or silver plated. St. Louis Metalcrafts, Inc. 545,414, July 17; Serial No. 601,379.

Belt buckles. Swank, Inc. 545,292, July 17; Serial No. 599,278, published Apr. 24, 1951.

Bracelets, Expansion type watch. Flex-Let Corporation. 545,295, July 17; Serial No. 599,509, published Apr. 24, 1951.

Jewelry findings. Weinreich Brothers Company. 545,411, July 17; Serial No. 599,295.

Lapel buttons, pins and badges, etc. The National Exchange Club. 545,323, July 17; Serial No. 600,504, published Apr. 24, 1951.

Necklaces, Pearl, pearl earrings, pearl bracelets, etc. Coro, Inc. 545,396, July 17; Serial No. 583,331.

Necklaces, Pearl, pearl earrings, pearl bracelets, etc. Weinreich Brothers Company. 545,386, July 17; Serial No. 558,609.

Necklaces, Pearl, pearl earrings, pearl bracelets, etc. Weinreich Brothers Company. 545,399, July 17; Serial No. 584,936.

CLASS 32

Beds, cheats, desks, etc. M. T. Smith. 545,253, July 17; Serial No. 597,471, published Apr. 24, 1951.

Beds, Couch. Eclipse Sleep Products Inc. 545,213, July 17; Serial No. 592,558, published Apr. 17, 1951.

Bedsprings. Simmons Company. 545,312, July 17; Serial No. 600,087, published Apr. 24, 1951.

Chairs, Barber, and beauty parlor chairs. Emil J. Paidar Company. 545,330, July 17; Serial No. 600,846, published Apr. 24, 1951.

Display stands, Merchandise, and merchandise display cabinets. David A. McCowan, Inc. 545,273, July 17; Serial No. 598,377, published Apr. 24, 1951.
Drawers for cabinets. Avco Manufacturing Corporation. 545,244, July 17; Serial No. 596,895, published Apr. 10, 1951.
Furniture. David M. Lea & Company, Incorporated. 545,123, July 17; Serial No. 577,892, published Apr. 10, 1951.
Hassocks. B. T. Crump Company, Inc. 545,304, July 17; Serial No. 599,750, published Apr. 24, 1951.
Mattresses. Shifman Bros. 545,332–3, July 17; Serial Nos. 600,918–19, published Apr. 24, 1951.
Mattresses. Shifman Bros. 545,334–5, July 17; Serial Nos. 600,922–3, published Apr. 24, 1951.
Mattresses. Shifman Bros. 545,336, July 17; Serial No. 600,926, published Apr. 24, 1951.
Mattresses. Slumber Products Corporation. 545,321, July 17; Serial No. 600,453, published Apr. 24, 1951.
Mattresses and box springs. The Englander Company, Inc. 545,232, July 17; Serial No. 595,885, published Apr. 10, 1951.
Mattresses and box springs. The Englander Company, Inc. 545,256, July 17; Serial No. 597,599, published Apr. 10, 1951.
Mattresses, pillows, seat cushions, etc. Hewitt-Robins Incorporated. 545,090, July 17; Serial No. 568,734, published Apr. 10, 1951.
Pillows, Bed, baby cushions, mattresses, etc. Schadt & Mathewson. 545,258, July 17; Serial No. 597,629, published Apr. 10, 1951.
Racks and stands, Display. The Billings & Spencer Co. 545,151, July 17; Serial No. 583,237, published Apr. 24, 1951.
Racks, Clothes. T. J. Kelleher. 545,254, July 17; Serial No. 597,527, published Apr. 10, 1951.
Racks, Display. L. A. Young Spring & Wire Corporation. 545,147, July 17; Serial No. 582,370, published Apr. 10, 1951.
Racks, Garment hanging. Feature Items, Inc. 545,257, July 17; Serial No. 597,601, published Apr. 10, 1951.
Racks or cases, Elongated, open-top file. Watson Manufacturing Company, Inc. 545,270, July 17; Serial No. 598,137, published Mar. 13, 1951.
Showcases, counters, cabinets, etc. Woodwork Corporation of America. 545,037, July 17; Serial No. 535,778, published Apr. 24, 1951.
Table, Service. G. C. Madison. 545,313, July 17; Serial No. 600,136, published Apr. 24, 1951.
Tables. Rembrandt Lamp Corporation. 545,298, July 17; Serial No. 599,585, published Apr. 10, 1951.
Tables and chairs. Lewisburg Chair Company, Inc. 545,144, July 17; Serial No. 581,879, published Apr. 17, 1951.
Tables, Demonstration. J. L. Maybaum. 545,128, July 17; Serial No. 578,987, published Apr. 24, 1951.
Tables, Folding. Folding Products Manufacturing Corporation. 545,297, July 17; Serial No. 599,560, published Apr. 10, 1951.
Venetian blinds. Clifton Manufacturing Company. 545,023, July 17; Serial No. 497,454, published Apr. 24, 1951.
Venetian blinds. Traverse Vertical Blind Co., Inc. 545,284, July 17; Serial No. 598,764, published Apr. 10, 1951.
Window blinds. Sun Vertikal Blind Company. 545,317, July 17; Serial No. 600,236, published Apr. 24, 1951.

CLASS 33

Crystals, Watch. R. Larsen. 545,385, July 17; Serial No. 557,285.
Glass jugs; vases; jars; etc. Dunbar Glass Corporation. 545,053, July 17; Serial No. 550,590, published Apr. 24, 1951.
Glass vessels; glass bowls; etc. Corning Glass Works. 545,056, July 17; Serial No. 552,435, published Mar. 27, 1951.

CLASS 34

Boilers; Automatic heating, calorifiers; fans; etc. Trianco Limited. 545,169, July 17; Serial No. 586,902, published Apr. 17, 1951.
Boilers, Steam. Farrar & Trefts, Incorporated. 545,216–18, July 17; Serial Nos. 592,893–5, published May 1, 1951.
Boilers, Steam and hot water. C. Z. Alexander. 545,082, July 17; Serial No. 564,982, published May 1, 1951.
Heaters, Gas, automatic gas heated hot-water systems. F. O. Schoedinger. 284,565, renewed July 7, 1951. O. G. July 17.
Heaters, Gas and oil fired space, gas automatic water heaters, etc. N. H. Turkin. 545,226, July 17; Serial No. 594,503, published Apr. 17, 1951.
Heaters, Water. American District Steam Company, Inc. 545,350, July 17; Serial No. 602,879, published May 1, 1951.
Heaters, Water. N. Merfish. 545,207, July 17; Serial No. 591,308, published Oct. 24, 1950.
Heating and air-cooling apparatus, Combination. Cunningham Engineering Co. 545,358, July 17; Serial No. 603,403, published May 1, 1951.
Incinerators. Mars Incinerator, Inc. 545,092, July 17; Serial No. 568,900, published May 1, 1951.
Lamps; Vapor or gas generating pressure, vapor, gas and oil lanterns, etc. The Coleman Company, Inc. 545,049, July 17; Serial No. 545,957, published Apr. 24, 1951.
Nozzles; Air induction and diffusion, air ducts; and duct dampers, etc. B. Cones. 545,149, July 17; Serial No. 582,601, published Apr. 24, 1951.

CLASS 36

Clarinet, saxophone and similar reed carrying instrument mouthpieces. J. S. Murano. 545,384, July 17; Serial No. 557,150.

CLASS 38

Place cards, decorative cards, cut-out cards, etc. The American Tobacco Company. 282,832, renewed May 5, 1951. O. G. July 17.
Publication, Monthly. International Publications, Inc. 286,900, renewed Sept. 8, 1951. O. G. July 17.

CLASS 39

Apparel, Children's. The Carltona Co., Inc. 545,214, July 17; Serial No. 592,870, published Apr. 3, 1951.
Belts, Men's and boys' apparel, men's and boys' suspenders, etc. Seymour Mercantile Co. 545,148, July 17; Serial No. 582,449, published Apr. 17, 1951.
Blouses, Ladies' and misses'. Glenwear, Inc. 545,418, July 17; Serial No. 605,855.
Clothing, Men's, women's, children's, and infants'. The May Department Stores Company. 545,120, July 17; Serial No. 576,545, published Apr. 11, 1950.
Coats, capes, jackets, etc., Rainproof. Wallace, Scott & Co., Limited. 81,040, re-renewed Feb. 21, 1951. O. G. July 17.
Coats, suits and dresses, Ladies' and misses'. Western Garment Company. 545,393, July 17; Serial No. 575,958.
Drawers, middy blouses, pajamas, etc., Men's, women's, and children's. Branigan, Green & Company. 281,944, Apr. 7, 1931. Republished July 17.
Dresses. N. Fluegelman & Co., Inc. 350,501, Sept. 28, 1937. Republished July 17.
Dresses, Afternoon and evening. Nanty Frocks, Inc. 286,836, renewed Sept. 8, 1951. O. G. July 17.
Dresses, rompers, pinafores, etc., Children's and girls'. Rosenau Brothers, Inc. 545,189, July 17; Serial No. 589,919, published Apr. 3, 1951.
Frocks, Children's and girls'. Rosenau Brothers, Inc. 545,190, July 17; Serial No. 589,920, published Apr. 3, 1951.
Gloves, Canvas work. Indianapolis Glove Company. 285,161, renewed July 14, 1951. O. G. July 17.
Hair nets, silk nets, water-wave nets. L. L. Mayer. 281,187, renewed Mar. 10, 1951. O. G. July 17.
Hats, caps, shoes, Men's, women's, and children's. Best & Co. 287,273, renewed Sept. 15, 1951. O. G. July 17.
Hats, Men's. The Urman-Burger Hat Mfg. Co. 282,652, renewed Apr. 28, 1951. O. G. July 17.
Hosiery. Neumode Hosiery Co. 545,383, July 17; Serial No. 552,259.
Hosiery and shoes, Women's and girls'. Raylass Department Stores, Inc. 545,402, July 17; Serial No. 588,518.
Hosiery and underwear for men, women, and children. Lanner Bros. Inc. 545,412, July 17; Serial No. 599,516.
Outer garments, Men's, boys', women's, and children's. The Silvertex Company. 545,072, July 17; Serial No. 562,617, published Feb. 28, 1950.
Robes, Lounging, pullman robes, beach robes, etc. Auerbach Bath Robe Corp. 545,404, July 17; Serial No. 590,776.
Shirt and towel and bath robe and towel, Combined. Alamac Knitting Mills, Inc. 545,223, July 17; Serial No. 594,009, published Apr. 17, 1951.
Shirts, bands, and panties, Infants'. Malone Knitting Company. 545,078, July 17; Serial No. 564,208, published Apr. 17, 1951.
Slacks. Champion Pants Mfg. Co., Inc. 545,114, July 17; Serial No. 575,192, published Apr. 3, 1951.
Slacks, skirts, blouses, slips, etc., Women's. Spiegel, Inc. 545,179, July 17; Serial No. 588,401, published Apr. 3, 1951.
Wearing apparel. Allied Cloth Specialties, Inc. 545,221, July 17; Serial No. 593,520, published Apr. 3, 1951.

CLASS 42

Blankets. S. Stroock & Co. Inc. 545,063, July 17; Serial No. 558,963, published Apr. 17, 1951.
Blankets, Woolen. Cluett, Peabody & Co., Inc. 545,347, July 17; Serial No. 602,677, published Apr. 17, 1951.
Fabric in the piece, Starched sheer. Simon, Healey & Goldstein, Inc. 545,080, July 17; Serial No. 564,529, published Apr. 17, 1951.
Fabrics, Cotton piece. M. Snower & Company. 544,230, July 17; Serial No. 595,796, published Apr. 17, 1951.
Fabrics in the piece, Rayon. Burlington Mills Corporation. 545,352, July 17; Serial No. 602,927, published Apr. 17, 1951.
Fabrics in the piece, Textile, tablecloths, napkins, etc. S. Handal & Sons, Inc. 545,088, July 17; Serial No. 568,503, published Apr. 17, 1951.
Fabrics, Treated canvas and duck. Denemark & Morris, Inc. 545,138, July 17; Serial No. 580,650, published Apr. 17, 1951.

Fabrics, Upholstery. The Rubenstein Company. 545,113, July 17; Serial No. 574,246, published Apr. 17, 1951.
Fabrics, Woolen. Worumbo Manufacturing Company. 286,862, renewed Sept. 8, 1951. O. G. July 17.
Goods in the piece. N. Fluegelman & Co., Inc. 267,045, Feb. 11, 1930. Republished July 17.
Jute bagging. Mente & Co., Inc. 283,415, renewed May 26, 1951. O. G. July 17.
Piece goods. C. M. Ogden. 545,243, July 17; Serial No. 596,748, published Apr. 17, 1951.
Piece goods. Spence, Bryson & Company Limited. 545,121, July 17; Serial No. 577,078, published Apr. 24, 1951.
Piece goods, Cotton. Bates Manufacturing Company. 545,351, July 17; Serial No. 602,883, published Apr. 17, 1951.
Rugs and carpeting, Wool and fiber. Sears, Roebuck and Co. 545,140, July 17; Serial No. 581,083, published Apr. 17, 1951.
Sheets and pillowcases. Lauerman Brothers Company. 545,115, July 17; Serial No. 575,357, published Apr. 17, 1951.
Sheets, pillow cases and sheetings. Pepperell Manufacturing Company. 545,099, July 17; Serial No. 571,042, published Apr. 17, 1951.
Table cloths, napkins, towels, etc., Linen. The Fair. 286,678, renewed Sept. 1, 1951. O. G. July 17.
Tablecloths, napkins, towels, etc. Murphy & Stevenson Ltd. 545,094, July 17; Serial No. 569,982, published Apr. 17, 1951.

CLASS 43

Threads and yarns. The Hacker Import Corporation. 545,388, July 17; Serial No. 563,927.

CLASS 44

Powder-blowers, atomizers, and nebulizers. The De Vilbiss Manufacturing Company. 82,875, re-renewed Aug. 1, 1951. O. G. July 17.
Sanitary napkins. Kotex Company. 286,729, renewed Sept. 1, 1951. O. G. July 17.
Tweezers. Schnefel Bros., Inc. 287,570, renewed Sept. 29, 1951. O. G. July 17.

CLASS 46

Baking powder. Price Baking Powder Company. 83,689, re-renewed Oct. 3, 1951. O. G. July 17.
Beans, Dried. F. T. Pennington. 545,246, July 17; Serial No. 596,938, published Apr. 10, 1951.
Biscuits. Gray, Dunn & Company Limited. 545,222, July 17; Serial No. 593,667, published Apr. 10, 1951.
Biscuits, Sweetened. The Maryland Biscuit Company. 444,531, July 17; Serial No. 525,896, published Apr. 10, 1951.
Bread. H. R. Grant. 545,026, July 17; Serial No. 516,691, published Mar. 27, 1951.
Bread. Jamestown Baking Company, Inc. 545,248, July 17; Serial No. 597,209, published Apr. 17, 1951.
Bread, cakes and pies. Walter Freund Bread Company. 545,050, July 17; Serial No. 547,439, published Apr. 10, 1951.
Cakes, pies, bread, etc. S. C. Jones. 545,044, July 17; Serial No. 539,594, published Apr. 10, 1951.
Candies. The Chocolate Man, Inc. 438,972, May 25, 1948. Canceled June 15, 1951. O. G. July 17.
Candy. M. J. Holloway & Company. 545,209, July 17; Serial No. 591,619, published Apr. 24, 1951.
Candy. Keppel's, Inc. 545,291, July 17; Serial No. 599,179, published Apr. 17, 1951.
Candy. Mars, Incorporated. 545,416, July 17; Serial No. 604,157.
Candy. The Shotwell Mfg. Co. 545,036, July 17; Serial No. 533,626, published Apr. 17, 1951.
Candy. Svenska Chokladfabriks Aktiebolaget Cloetta. 545,259, July 17; Serial No. 597,712, published Apr. 17, 1951.
Canned and frozen fruits and vegetables. North Pacific Canners & Packers, Inc. 545,047, July 17; Serial No. 544,755, published Apr. 24, 1951.
Canned apple juice. Safeway Stores, Incorporated. 545,084, July 17; Serial No. 567,657, published Apr. 3, 1951.
Canned fish. Aktiebolaget Sveriges Forenade Konservfabriker. 545,275, July 17; Serial No. 598,447, published Apr. 24, 1951.
Canned fish. Coast Fishing Co. 262,241, Oct. 1, 1929. Republished July 17.
Canned fruits. Turlock Co-Operative Growers. 545,025, July 17; Serial No. 510,815, published Apr. 19, 1949.
Canned fruits and vegetables. Eugene Fruit Growers Association. 545,071, July 17; Serial No. 562,344, published Mar. 27, 1951.
Canned hot vegetables. A. Makitawecus. 545,159, July 17; Serial No. 584,411, published Apr. 10, 1951.
Canned orange concentrate product. Prime Products, Inc. 545,266, July 17; Serial No. 597,905, published Mar. 27, 1951.
Canned peas, canned peaches, spices, etc. Paxton & Gallagher Co. 211,665, Apr. 13, 1926. Amended. O. G. July 17.
Canned pineapple juice. Hawaiian Pineapple Company, Limited. 545,038, July 17; Serial No. 536,081, published Mar. 27, 1951.
Canned pork and beans. Monmouth Canning Company. 545,308, July 17; Serial No. 599,961, published Apr. 24, 1951.
Canned pork luncheon meat. Ready Foods Canning Corp. 545,177, July 17; Serial No. 588,230, published Apr. 17, 1951.
Canned shellfish. W. Klein. 545,240, July 17; Serial No. 596,670, published Apr. 17, 1951.
Canned tomatoes. S. H. Levin's Sons. 280,678, renewed Feb. 24, 1951. O. G. July 17.
Canned tuna. Hawaiian Tuna Packers, Limited. 545,150, July 17; Serial No. 583,204, published Apr. 17, 1951.
Cantaloupes, Fresh, and fresh grapes. Couture Farms. 545,264, July 17; Serial No. 597,875, published Mar. 27, 1951.
Catsup, chicken a la king, chicken broth, etc. Psaki Brothers. 279,334. Jan. 13, 1931. Republished July 17.
Chewing gum. Amurol Products Co. 545,249, July 17; Serial No. 597,313, published Mar. 20, 1951.
Chicken roll. S. J. Davis. 545,381, July 17; Serial No. 542,426.
Coconut oil, Edible. C. F. Simonin's Sons, Inc. 545,170, July 17; Serial No. 586,992, published Apr. 17, 1951.
Coffee and tea. Commercial Importing Co. 545,045, July 17; Serial No. 540,524, published Apr. 17, 1951.
Coffee concentrate. American Home Foods, Inc. 545,261, July 17; Serial No. 597,807, published Mar. 27, 1951.
Coffee, Green. J. Aron & Company, Inc. 545,110, July 17; Serial No. 573,820, published Mar. 27, 1951.
Cornmeal. The Great Western Cereal Company. 81,523, re-renewed Apr. 18, 1951. O. G. July 17.
Crackers, Soda. Griggs, Cooper & Company. 545,124, July 17; Serial No. 578,592, published Mar. 27, 1951.
Cranberries, Fresh. New England Cranberry Sales Co. 285,008, renewed July 14, 1951. O. G. July 17.
Cranberries, Fresh. New England Cranberry Sales Company. 545,104, July 17; Serial No. 572,261, published Feb. 21, 1950.
Dietary supplement for cattle. U. Noble. 545,398, July 17; Serial No. 584,247.
Egg noodles. Quality Macaroni Company. 545,145, July 17; Serial No. 581,983, published Apr. 10, 1951.
Extracts for food-flavoring purposes. Foote & Jenks, Inc. 545,040, July 17; Serial No. 536,683, published Apr. 17, 1951.
Feed, Livestock. The Ubiko Milling Company. 545,086, July 17; Serial No. 567,815, published Mar. 20, 1951.
Flour, All kinds of. Voigt Milling Company. 83,375, re-renewed Sept. 5, 1951. O. G. July 17.
Flour, Self-rising griddle cake. Parkis Mills, Inc. 545,302, July 17; Serial No. 599,651, published Apr. 24, 1951.
Flour, Wheat. The Colorado Milling & Elevator Co. 545,054, July 17; Serial No. 551,541, published Apr. 17, 1951.
Flour, Wheat. L. G. Kingsley. 545,101, July 17; Serial No. 571,808, published Mar. 20, 1951.
Flour, Wheat. Pillsbury Flour Mills Company. 285,538, renewed July 28, 1951. O. G. July 17.
Flour, Wheat. Pillsbury Flour Mills Company. 285,565, renewed July 28, 1951. O. G. July 17.
Flour, Wheat. Preston-Shaffer Milling Co. 545,103, July 17; Serial No. 571,995, published Apr. 17, 1951.
Food, Dog. Spratt's Patent (America) Limited. 285,089, renewed July 14, 1951. O. G. July 17.
Food product. Kuster Laboratories, Inc. 545,057, July 17; Serial No. 553,378, published Apr. 17, 1951.
Foods, substances used as foods, and ingredients of foods. The R. T. French Company. 545,030, July 17; Serial No. 524,452, published Apr. 10, 1951.
Frankfurts, Skinless, smoked pork shoulder butts, etc. Colonial Provision Co., Inc. 545,134, July 17; Serial No. 579,669, published Apr. 17, 1951.
Fruit flavors. Mission Dry Corporation. 545,087, July 17; Serial No. 567,994, published Mar. 27, 1951.
Fruit, Fresh citrus. Valley Citrus Packing Co. 545,130, July 17; Serial No. 579,237, published Apr. 17, 1951.
Fruits, Fresh citrus. The Umatilla Fruit Company. 545,250, July 17; Serial No. 597,364, published Mar. 20, 1951.
Fruits, Fresh deciduous. Porterville Grape Association. 261,005, Sept. 3, 1929. Republished July 17.
Grapes, Fresh. Arizona Dawn Gardens. 545,106, July 17; Serial No. 572,710, published Apr. 17, 1951.
Grapes, Fresh. Exeter Vineyards Association. 545,299–300, July 17; Serial Nos. 599,623–4, published Apr. 24, 1951.
Honey syrups. H. W. Dittmer. 545,187, July 17; Serial No. 589,434, published Apr. 24, 1951.
Ice cream. United Farmers Dairy Stores, Inc. 419,483, Feb. 19, 1946. Canceled June 15, 1951. O. G. June 17.
Lettuce, Fresh. Ice-Kist Packing Company. 545,156, July 17; Serial No. 584,236, published Apr. 24, 1951.
Macaroni, spaghetti, vermicelli, and noodles. The Foulds Milling Company. 82,507, re-renewed July 4, 1951. O. G. July 17.
Meats, Cured. P. D. Gwaltney, Jr., & Co., Inc. 284,173, renewed June 16, 1951. O. G. July 17.

Oleomargarine. The Cudahy Packing Company. 545,305–06, July 17; Serial No. 599,751–2, published Apr. 24, 1951.
Peanut oil and peanut butter, mayonnaise, etc. J. Tillman. 444,532, July 17; Serial No. 525,984, published Apr. 17, 1951.
Peanut oil, Edible. Suffolk Oil Mill, Incorporated. 545,175, July 17; Serial No. 588,052, published Apr. 3, 1951.
Peanuts. Seabrook Associates. 545,288, July 17; Serial No. 599,124, published Apr. 10, 1951.
Pie-crust and pastry mix and frosting mixes. The Taylor-Reed Corporation. 545,274, July 17; Serial No. 598,442, published Mar. 27, 1951.
Popcorn, Popped and unpopped. Red Wagon Products, Inc. 545,073, July 17; Serial No. 562,883, published Aug. 22, 1950.
Popcorn, Seasoned. Confections, Inc. 545,070, July 17; Serial No. 561,885, published Mar. 27, 1951.
Potatoes, Fresh. Pennant Farms. 545,074, July 17; Serial No. 563,131, published Apr. 3, 1951.
Potatoes, Fresh, and fresh berries. Pacific Gamble Robinson Company. 545,205, July 17; Serial No. 591,248, published Apr. 10, 1951.
Rice, barley, dried peas, etc. Southern Rice Sales Company, Inc. 285,927, renewed Aug. 11, 1951. O. G. July 17.
Salad dressing, Bottled. G. E. Hartley. 545,268, July 17; Serial No. 598,013, published Mar. 20, 1951.
Salt. Morton Salt Company. 545,380, July 17; Serial No. 540,698.
Sandwiches. Maid-Rite Products, Inc. 545,064, July 17; Serial No. 559,442, published Apr. 10, 1951.
Sausage, Pressed luncheon, salami, minced luncheon sausage, etc. Colonial Provision Co., Inc. 545,133, July 17; Serial No. 579,668, published Apr. 17, 1951.
Seasoning. A. C. Legg Packing Co. Inc. 285,453, renewed July 28, 1951. O. G. July 17.
Seasoning. A. C. Legg Packing Co., Inc. 286,124, renewed Aug. 18, 1951. O. G. July 17.
Seasoning, Pork sausage. Basic Food Materials, Inc. 545,271, July 17; Serial No. 598,147, published Apr. 24, 1951.
Shrimp, Frozen. Refrigeradora del Noroeste, S. A. 545,252, July 17; Serial No. 597,371, published Apr. 24, 1951.
Soup mix. A. Goodman & Sons, Inc. 389,587–8, Aug. 12, 1941. Republished July 17.
Spaghetti, egg noodles, vermicelli, etc. Roma Macaroni Company. 545,390, July 17; Serial No. 569,302.
Sugar cane syrup. The South Coast Corporation. 405,705, Feb. 15, 1944. Canceled June 15, 1951. O. G. July 17.
Vegetables, Fresh. J. Kantro. 545,153, July 17; Serial No. 583,399, published Apr. 24, 1951.
Vegetables, Fresh. Smith Vegetable Company. 545,065, July 17; Serial No. 559,740, published Apr. 24, 1951.
Wheat germ, Defatted. Life of Wheat Company. 545,039, July 17; Serial No. 536,103, published Mar. 27, 1951.
Wool protein for use in ice cream. Botany Mills, Inc. 545,168, July 17; Serial No. 586,585, published Apr. 10, 1951.

CLASS 49

Ethyl alcohol. Rossville Commercial Alcohol Corporation. 285,819, renewed Aug. 11, 1951. O. G. July 17.

CLASS 50

Beach shelters, Collapsible and portable. Century Manufacturing Company. 545,415, July 17; Serial No. 601,775.

CLASS 51

Alcohol containing preparation of the nature of a cologne. S. Mitchell. 545,160, July 17; Serial No. 584,540, published Apr. 10, 1951.
Beard softener. The Neville Corporation. 545,391, July 17; Serial No. 573,732.
Cosmetic preparations. Sears, Roebuck and Co. 545,109, July 17; Serial No. 573,684, published Apr. 17, 1951.
Cuticle remover. Schnefel Bros., Inc. 287,475, renewed Sept. 29, 1951. O. G. July 17.
Depilatory. Jean Jordeau, Inc. 180,521, Mar. 4, 1924. Republished July 17.
Lipstick, powder, powder base, etc. J. Del Russo, Inc. 545,117, July 17; Serial No. 576,046, published Apr. 3, 1951.
Lotion and neutralizer, Hair waving. Elizabeth Arden Sales Corporation. 545,413, July 17; Serial No. 600,874.
Perfume. Chanel, Inc. 281,064, renewed Mar. 10, 1951. O. G. July 17.
Perfumes, eau de cologne, bath essences, etc. Wolff Freres, Inc. 504,223, Nov. 23, 1948. Canceled June 15, 1951. O. G. July 17. (Formerly Class 6.)
Perfumes, toilet waters, rouges, etc. S. A. Lancome. 545,091, July 17; Serial No. 568,737, published Apr. 3, 1951.
Scalp and hair conditioner and dandruff remover. A. T. Spano. 444,529, July 17; Serial No. 522,299, published Apr. 3, 1951.
Skin lotion. M. Ogren. 545,165, July 17; Serial No. 585,807, published Mar. 27, 1951.
Tonic or dressing for the hair. W. A. Sheppard. 545,211, July 17; Serial No. 591,960, published Apr. 17, 1951.

CLASS 52

Cleaning compound, Boiler. Ross Manufacturing Company. 287,147, renewed Sept. 15, 1951. O. G. July 17.
Cleaning preparation. The Cramer Chemical Company. 545,392, July 17; Serial No. 574,213.
Detergent preparations. Ronuk, Limited. 285,238, renewed July 21, 1951. O. G. July 17.
Preparation of oxygen for bleaching, cleansing and purifying. Lever Brothers Company. 270,413, renewed Jan. 13, 1951. O. G. July 17.
Shampoo and hair conditioner. Locks Laboratories. 545,075, July 17; Serial No. 563,265, published Apr. 17, 1951.
Solvents for cleansers, etc., Hydrocarbon. Sherwood Brothers Incorporated. 282,000, renewed Apr. 7, 1951. O. G. July 17.
Water softening and detergent composition. Diamond Alkali Company. 545,286, July 17; Serial No. 598,896, published May 1, 1951.

CLASS 100

Private detective investigations and property surveillance. Pinkerton's National Detective Agency, Inc. 541,883, May 1, 1951. Corrected. O. G. July 17.

CLASS 102

Fire, wind, explosion, loss of earnings, etc., insurance. Ohio Farmers Insurance Company. 545,369, July 17; Serial No. 593,741, published Apr. 17, 1951.
Procuring buyers of businesses, together with the real estate on which such businesses are located, etc. N. Whitman. 545,368, July 17; Serial No. 581,226, published Apr. 17, 1951.
Workmen's compensation, public liability, automobile, etc., insurance services. Employers Mutual Liability Insurance Company of Wisconsin. 545,363–4, July 17; Serial No. 528,993–4, published Apr. 17, 1951.
Workmen's compensation, public liability, automobile, etc., insurance services. Employers Mutual Liability Insurance Company of Wisconsin. 545,365, July 17; Serial No. 532,283, published Apr. 17, 1951.

CLASS 104

Radio program broadcasting services. Columbia Broadcasting System, Inc. 545,366, July 17; Serial No. 545,083, published Apr. 17, 1951.

CLASS 105

Motor van transportation and warehousing service. Trans-American Van Service, Inc. 545,362, July 17; Serial No. 527,801, published Apr. 17, 1951.
Transportation of freight by truck. Navajo Freight Lines, Inc. 545,370, July 17; Serial No. 597,287, published Apr. 10, 1951.

CLASS 107

Entertainment service. L. G. Cowan. 545,367, July 17; Serial No. 550,390, published Apr. 17, 1951.

LIST OF DESIGN PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Hall, Elisha W., Scituate, Mass. Rotary abrading tool. Re. 23,391, July 17.
McDade, John B., Scranton, Pa. Loading machine. Re. 23,392, July 17.

LIST OF PATENTEES

Allen, Perry E., Detroit, Mich. Automobile gasoline door guard. 163,920, July 17.
Allen, Perry E., Detroit, Mich. Automobile gasoline door guard. 163,921, July 17.
Allen, Perry E., Detroit, Mich. Automobile gasoline door guard. 163,922, July 17.
Allen, Perry E., Detroit, Mich. Automobile gasoline door guard. 163,923, July 17.
Allen, Perry E., Detroit, Mich. Automobile gasoline door guard. 163,924, July 17.
Allen, Perry E. Detroit, Mich. Automobile gasoline door guard. 163,925, July 17.
Allen, Perry E., Detroit, Mich. Automobile gasoline door guard. 163,926, July 17.
Allen, Perry E., Detroit, Mich. Automobile gasoline door guard. 163,927, July 17.
Barnett, Charles A., Lansdale, Pa., assignor to Kellett Aircraft Corporation. Helicopter. 163,928, July 17.
Barnett, Lawrence T., assignee: *See*— Greene, Kenneth E.
Barnett, Sherman R., assignee: *See*— Greene, Kenneth E.
Baum, W. A., Co. Inc., assignee: *See*— Baum, William A.
Baum, William A., Forest Hills, assignor to W. A. Baum Co. Inc., New York, N. Y. Measuring instrument. 163,929, July 17.
Bausch & Lomb Optical Company, assignee: *See*— Gerhardt, Robert V.
Bruce, Leo I., Framingham Center, Mass., assignor to Telechron, Inc. Clockcase. 163,930, July 17.
Byck, John, New York, N. Y. Separable picture or monogram frame for gift packages. 163,931, July 17.
Byck, John, New York, N. Y. Separable picture or monogram frame for gift packages. 163,932, July 17.
Carroll, Lawrence K., assignor to Quikut, Inc., Fremont, Ohio. Cutlery handle or the like. 163,933, July 17.
Chernow, Michael, New York, N. Y. Necklace or similar article. 163,934, July 17.
Coturno, S. A., assignee: *See*— Mediano Capdevila, Gonzalo.
Cross, Ralph E., Grosse Pointe Shores, Mich. Instrument panel for automatic machine tools. 163,935, July 17.
De Marzi, Victor, Bronx, N. Y. Shaper for cutting oboe and English horn reed cane. 163,936, July 17.
De Montesquiou Fezensac, Marie J. V. P., Neuilly-S/Seine, France. Bottle. 163,937, July 17.
Douglas, Leon L., Glenside, Pa., assignor to Kellett Aircraft Corporation. Helicopter. 163,938, July 17.
Eastman Kodak Company, assignee: *See*— Reddig, James C., and Van Dyck.
Essex Rubber Company, assignee: *See*— Oakley, Laurence M.
Etten, Nicholas L., Cedar Falls, Iowa. Awning or similar article. 163,939, July 17.
Foster Grant Co., Inc., assignee: *See*— Foster, Joseph C.
Foster, Joseph C., assignor to Foster Grant Co., Inc., Leominster, Mass. Spectacle frame. 163,940, July 17.
Frost, Eugene C., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Chair unit. 163,941, July 17.
Gerhardt, Robert V., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Eye testing device. 163,942, July 17.
Goodman, Joseph, New York, N. Y. Money bank. 163,943, July 17.
Gordon, Barnett D., Brookline, Mass. Stocking. 163,944, July 17.
Gordon, Barnett D., Brookline, Mass. Stocking. 163,945, July 17.
Greene, Kenneth E., assignor of one-fourth to L. T. and S. R. Barnett, Chicago, Ill. Floating minnow container or similar article. 163,946, July 17.
Gulde, Carl J., St. Joseph, Mo. Hand trap. 163,947, July 17.
Hannant, Theodore N., Cedar Grove, assignor to Specialties Development Corporation, Belleville, N. J. Valve unit for inflating life rafts or the like. 163,948, July 17.
Harbil Manufacturing Co., Inc.: *See*— Rosset, Harry.
Harris, William S., Arlington, Va. Bedstead. 163,949, July 17.
Jaffe, Samuel R., Chicago, Ill. Automobile hood ornament. 163,950, July 17.
Jantzen Knitting Mills Inc., assignee: *See*— Timmons, Elizabeth N.
Johnson, Everett A., Park Ridge, Ill. Stationer's fluid applicator or the like. 163,951, July 17.
Johnston, James R., Detroit, Mich. Cigarette holder. 163,952, July 17.
Kellett Aircraft Corporation, assignee: *See*— Barnett, Charles A. Douglas, Leon L.
Kestenman Bros. Mfg. Co., assignee: *See*— Valcourt, Louis E.
Kully, Paul J., Edmonton, Alberta, Canada. Jewelry box. 163,953, July 17.
Kulwin, Seymour, Chicago, Ill. Dashboard tray. 163,954, July 17.
Lockheed Aircraft Corporation, assignee: *See*— Frost, Eugene C.
McCartney, Byron W., Houston, Tex. Automobile exhaust pipe extension. 163,955, July 17.
Mediano Capdevila, Gonzalo, Buenos Aires, Argentina, assignor to Coturno, S. A., Caracas, Venezuela. Shoe sole. 163,956, July 17.
Meyer, Theodore J., Chicago, Ill. Game board. 163,957, July 17.
Newville, Earl, Detroit, Mich. Air filter cleanliness indicator or the like. 163,958, July 17.
Novotny, Marian, Forest Hills, N. Y. Tabernacle or similar article. 163,959, July 17.
Oakley, Laurence M., assignor to Essex Rubber Company, Trenton, N. J. Shoe sole. 163,960, July 17.
Penna, Toney, Delray Beach, Fla., assignor to Sport Products, Inc., Cincinnati, Ohio. Golf club head. 163,961, July 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 163,962, July 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 163,963, July 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 163,964, July 17.
Quikut, Inc., assignee: *See*— Carroll, Lawrence K.
Reddig, James C., and K. A. Van Dyck, assignors to Eastman Kodak Company, Rochester, N. Y. Transparency mount. 163,965, July 17.
Rogers, Joe T., Tulsa, Okla. Decorative fence for Christmas trees. 163,966, July 17.
Rosset, Harry, Chicago, Ill., assignor to Harbil Manufacturing Co., Inc. Cover for paint cans. 163,967, July 17.
Saffir, Max M., New York, N. Y. Strapless brassière slip. 163,968, July 17.
Schoenbrod, Leslie K., Chicago, Ill. Fluorescent lighting fixture with translucent louver. 163,969, July 17.
Shepard, Ernest L., Farifield, Maine. Support for fragile articles. 163,970, July 17.
Singer, Lawrence H., Brooklyn, and L. S. Utley, Forest Hills, assignors to Utility Plastics Inc., Brooklyn, N. Y. Plastic display case. 163,971, July 17.
Slaner, Alfred P., Scarsdale, N. Y. Necktie. 163,972, July 17.
Smith, Hubert R., Cameron, Mo. Artificial fishing lure. 163,973, July 17.
Specialties Development Corporation, assignee: *See*— Hannant, Theodore N.
Sport Products, Inc., assignee: *See*— Penna, Toney.

Steiner, Ernest, New York, N. Y. Combined novelty mirror and whisk brom. 163,974, July 17.
Steiner, Ernest, New York, N. Y. Novelty figure whisk broom or similar article. 163,975, July 17.
Stevens, Adolph K., Buffalo, N. Y. Container for fishhooks and the like. 163,976, July 17.
Telechron, Inc., assignee: *See*—
Bruce, Leo I.
Timmons, Elizabeth N., assignor to Jantzen Knitting Mills Inc., Portland, Oreg. Printed fabric or the like. 163,977, July 17.
Timmons, Elizabeth N., assignor to Jantzen Knitting Mills Inc., Portland, Oreg. Printed fabric or the like. 163,978, July 17.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Utility Plastic Inc., assignee: *See*—
Singer, Lawrence H., and Utley.
Utley, Lewis S.: *See*—
Singer, Lawrence H., and Utley.
Valcourt, Louis E., East Providence, assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Expansible link chain for a bracelet or similar article. 163,979, July 17.
Valcourt, Louis E., East Providence, assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Watch bracelet or the like. 163,980, July 17.
Valcourt, Louis E., East Providence, assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Watch bracelet or the like. 163,981, July 17.
Valcourt, Louis E., East Providence, assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Watch bracelet or the like. 163,982, July 17.
Van Dyck, Kenneth A.: *See*—
Reddig, James C., and Van Dyck.
Wyatt, Raymond A., Detroit, Mich. Refrigerator. 163,983, July 17.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aakjer, Jens J.: *See*—
Leuzarder, John B., Aakjer, and Knochel.
Abbott Laboratories, assignee: *See*—
Ryan, George R., and Young.
Abraham, Albert, Jr., assignee: *See*—
Phillips, Erwin.
Abramowski, Czeslaw A., Astoria, N. Y. Guide wheel for trawl nets. 2,560,622, July 17.
Adam, Thomas, assignee: *See*—
Wilson, Alexander J.
Adams, Paul L., W. A. Norman, and C. K. Sitterly, assignors to Carr, Adams & Collier Company, Dubuque, Iowa. Storm window sash adjuster. 2,561,086, July 17.
Addressograph-Multigraph Corporation, assignee: *See*—
Morse, Lawrence H.
Adler, Orville E., Niles, Mich., assignor to National Standard Company. Operating a continuous electroplating system. 2,560,534, July 17.
Aetna-Standard Engineering Company, The, assignee: *See*—
Rodder, William.
Agrashell, Inc., assignee: *See*—
Ayers, Joseph W.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Andersen, Ariel A.
Aiken, Percy, Minneapolis, Minn., assignor to General Mills, Inc. Height gauge. 2,561,164, July 17.
Air-Factors, Inc., assignee: *See*—
Lambert, Robert R.
Air Force, United States of America as represented by the Secretary of the, assignee: *See*—
Saunders, Norman B.
Aitto, George, New York, N. Y. Expanding bit screw driver. 2,560,912, July 17.
Akers, Victor, Albany, Calif. Single sheet shirt protector. 2,560,710, July 17.
Aktiebolaget Facit, assignee: *See*—
Toorell, Sture and Grip.
Aktiebolaget Separator, assignee: *See*—
Ruda, Gustaf W.
Albina Engine & Machine Works, Inc., assignee: *See*—
Symons, Percy L.
Alciati, Charles J., and A. J. Andersen, San Francisco, assignors to Moore Dry Dock Co., Oakland, Calif. Roller mill with pivoted roll support. 2,560,837, July 17.
Alden Products Co., assignee: *See*—
Nyman, Alexander.
Alexander, Leon G.: *See*—
Sherrill, James W., and Alexander.
Alexander, Paul, Berkhamsted, England. Producing vacua. 2,560,913, July 17.
All American Airways, Inc., assignee: *See*—
Doolittle, Donald B.
Allen, Howard G., Niagara Falls, N. Y., assignor to American Machine & Foundry Company. Tobacco pouch. 2,560,535, July 17.
Allewelt, Arthur L., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Acrylonitrile copolymers. 2,560,680, July 17.
Allied Laboratories, Inc., assignee: *See*—
Faith, Herman E.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Griffith, Ben H., Jr.
Reaves, Robert S.
Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Forwald, Haakon.
Almeras, Paul, assignor to Ateliers Neyret-Beylier & Piccard-Pictet, Grenoble, France. Regulation of an assembly of electric generating units. 2,560,914, July 17.
Althouse, Charles F., San Diego, Calif. High-frequency power measuring device, including a water load. 2,560,536, July 17.
Altman, B., & Co., assignee: *See*—
Hahn, Douglas.
American Cyanamid Company, assignee: *See*—
Schaefer, Frederic C.
Waller, Coy W., and Paterson.
American Dairies Incorporated, assignee: *See*—
Turner, Charles W.
American Duplex Company, assignee: *See*—
Schuhmann, Richard L.
American Forging and Socket Company, assignee: *See*—
McCarthy, Charles S.
American Home Foods, Inc., assignee: *See*—
Kipnis, Frank, and Ornfelt.
American Machine & Foundry Company, assignee: *See*—
Allen, Howard G.
Bocklus, Christopher.
American Machine and Metals, Inc., assignee: *See*—
Johnson, Leon D.
American Pipe Cleaner Co.: *See*—
Gould, Charles T.
American Steel Foundries, assignee: *See*—
Cottrell, Robert B.
Tack, Carl E.
American Telephone and Telegraph Company, assignee: *See*—
Woodward, William R.
American Viscose Corporation, assignee: *See*—
Allewelt, Arthur L.
Andersen, Ariel A., Albany, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Defrosting indicator. 2,560,537, July 17.
Andersen, Arthur J.: *See*—
Alciati, Charles J., and Andersen.
Anderson, Earl I., Manhassett, N. Y., assignor to Radio Corporation of America. Frequency modulation-amplitude modulation receiver circuits. 2,561,087, July 17.
Anderson, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Combined amplitude and frequency modulation detectors. 2,561,088, July 17.
Anderson, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Frequent modulation ratio detector. 2,561,089, July 17.
Anderson, Helmer, Minneapolis, Minn., assignor to General Mills, Inc. Gripper for the tops of bags, sacks, and the like. 2,561,306, July 17.
Appliance Corporation of America, assignee: *See*—
Horvath, John F.
Arbogast, Fred A., deceased, Akron, Ohio, by N. E. Arbogast, executrix, assignor to Fred Arbogast and Company, Inc., Akron, Ohio. Artificial fish bait. 2,561,040, July 17.
Arbogast, Fred, and Company, Inc., assignee: *See*—
Arbogast, Fred A.
Arbogast, Nellie E., executrix: *See*—
Arbogast, Fred A.
Arcement, Louis M., New Orleans, La., assignor to The Patent and Licensing Corporation, New York, N. Y. Braking device for web handling apparatus. 2,561,165, July 17.
Arends, Jacobus L., and E. H. Hugenholtz, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Variable reactance and control device comprising such a reactance. 2,561,041, July 17.
Armour and Company, assignee: *See*—
Harrington, Bertie S.
Arnold, Berel A., Brighton, and E. K. Renz, Dedham, Mass., assignors to Knight Leather Products, Inc. Semistiff walled toilet case. 2,561,042, July 17.
Arnold, Robert C., Bryan, Ohio. Preparation of fluorine compounds. 2,560,838, July 17.
Arps, Bruno F., New Holstein, Wis. Snow and dirt moving and terracing attachment for tractors. 2,560,711, July 17.
Arthur, Evan M., West Heath, Birmingham, England. Riveting device with pressure and striker elements. 2,560,623, July 17.
Askania Regulator Company, assignee: *See*—
Runyan, Raymond A.
Assada, Marc: *See*—
Clutier, Guy, and Assada.
Ateliers Neyret-Beylier & Piccard-Pictet, assignee: *See*—
Almeras, Paul.
Atlantic Refining Company, The, assignee: *See*—
Clarke, Edgar W.
"Automatic" Sprinkler Corporation of America, assignee: *See*—
Rider, Harry N.
Automatic Voting Machine Corporation, assignee: *See*—
Gustavson, Alvin N.
Axe, William N.: *See*—
Wagner, Cary R., Axe, and Himel.
Ayers, Joseph W., Easton, Pa., assignor to Agrashell, Inc. Apparatus for grinding combustible materials. 2,561,043, July 17.

Ayo, Jackson J., Elizabeth, and F. J. Gajewski, Linden, N. J., and H. L. Sanders, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Detergent composition. 2,560,839, July 17.

Ayres, Waldemar A., Kew Gardens Hills, N. Y., assignor to The Sperry Corporation. Apparatus for making stereoscopic pictures. 2,560,538, July 17.

Babcock, Foster A., Philadelphia, Pa. Printer's calculator and circular slide rule. 2,561,263, July 17.

Baer, Massimo, Indian Orchard, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized halogen-containing resins. 2,561,044, July 17.

Bailey, Benjamin F., Ann Arbor, Mich., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Periodic interrupter for direction signals with voltage compensation. 2,560,539, July 17.

Baker-Raulang Company, assignee: *See*—
Stoner, Frank.

Baldenhofer, William G.: *See*—
Wilson, John C., and Baldenhofer.

Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Ruge, Arthur C.
Tate, Malcolm C.

Ballard, Randall C.: *See*—
Bedford, Alda V., and Ballard.

Ballard, Wm. A., assignee: *See*—
Keckley, Harold M.

Bamberger, Alfred A., Flushing, N. Y. Sump drain. 2,560,915, July 17.

Bard, Francis N., assignee: *See*—
Breitensten, Victor W., and Boddinghouse.

Barnes, Donald R., Sr., Bridgeport, Conn. Mounting and operating the slats in Venetian blinds. 2,560,840, July 17.

Barnhart, Philip S., West Springfield, and J. C. Miller, Westfield, assignors to Westfield River Paper Company, Inc., Russell, Mass. Cement for laminating sheets of paper or like materals. 2,560,916, July 17.

Barr, Seymour J., Aberdeen, Md. Gun synchronizing apparatus. 2,560,540, July 17.

Barrow, Wilmer L., Manhasset, assignor, by mesne assignments, to The Sperry Corporation, Great Neck, N. Y. Electromagnetic-horn apparatus. 2,560,541, July 17.

Barry, Arthur J., assignor to Dow Corning Corporation, Midland, Mich. Silicon-containing rubber compositions. 2,561,177, July 17.

Bartleson, John D., East Cleveland, and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Clean-burning carbonaceous compositions. 2,560,542, July 17.

Bartleson, John D., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Processing lubricating oil by treating with a phosphorus sulfide and the resulting products. 2,560,543, July 17.

Bartleson, John D., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Processing lubricating oil by treating with sulfuric acid, a phosphorus sulfide and clay, and the resulting product. 2,560,544, July 17.

Bartleson, John D., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Processing lubricating oil by solvent-extraction and treating with a phosphorus sulfide and clay and the resulting products. 2,560,545, July 17.

Bartleson, John D., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Processing solvent-extracted lubricating oil by treating with phosphorus pentasulfide and a base and the resulting products. 2,560,546, July 17.

Bartleson, John D., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Processing lubricating oil by treating with sulfuric acid, a phosphorus sulfide and a base and the resulting products. 2,560,547, July 17.

Bartleson, John D., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Processing solvent-extracted lubricating oil by treating with a phosphorus sulfide, a base and clay and the resulting products. 2,560,548, July 17.

Bartlett, William D., Cumberland, Md., assignor to Celanese Corporation of America. Lock sling. 2,560,624, July 17.

Bateman, Sally, assignee: *See*—
Pfeifer, Charles F.

Bates, Albert H., assignor to Burd Piston Ring Company, Rockford, Ill. Piston ring splitting and trimming machine. 2,560,549, July 17.

Bates, James E., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Thallium salts in photographic color developers. 2,561,166, July 17.

Baumann, K., Mere, Knutsford, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Power plant, including normally contrarotating turbine elements for driving a load shaft and means for rotating said elements in the same direction when the turbine is idling. 2,561,090, July 17.

Beaman, William E., Foresthill, Calif. Expansion unit to compensate for temperature changes in a vehicle hydraulic drive system. 2,561,167, July 17.

Bebinger, Charles N., New Philadelphia, Ohio, assignor to Joy Manufacturing Company. Lubricant seal. 2,560,917, July 17.

Beckley, George H., Madison, Ind. Car top trailer. 2,561,168, July 17.

Bedford, Alda V., Princeton, and R. C. Ballard, Trenton, N. J., assignors to Radio Corporation of America. Intermittent film advancing mechanism utilizing air pressure. 2,560,918, July 17.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Intermittent film advancing mechanism utilizing air pressure. 2,560,919, July 17.

Beldin, Royal L.: *See*—
Roscoe, Merrill W., and Baldin.

Belefant, Benjamin, Bronx, assignor of one-half to Carl E. Carlsen, New York, N. Y. Clothes hanger. 2,561,045, July 17.

Bell, Alfred B., Philadelphia, Pa., assignor to Heywood-Wakefield Company, Gardner, Mass. Manually adjustable footrail. 2,561,091, July 17.

Bell, George Harold, & Associates, assignee: *See*—
Vars, Ethan W.

Bell, Ladford: *See*—
Thomas, Loren E., and Bell.

Bell, Lewis B., Chicago, Ill. Bandage for varicose ulcer treatment. 2,560,712, July 17.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Gibney, Robert B.
Kock, Winston E., and Wallace.
Lewis, Willard D.
McMillan, Brockway.
Oliver, Bernard M.
Pearson, Gerald L.
Pierce, John R.
Shive, John N.

Bell, William F., Western Springs, Ill., assignor to General Motors Corporation, Detroit, Mich. Rotor impregnating machine. 2,561,092, July 17.

Bendel, Ruth van Tellingen, Westmont, Ill. Condiment dispenser comprising interlocking figurines. 2,560,735, July 17.

Bender, Samuel, Shreveport, La. Swing frame. 2,560,713, July 17.

Bendix Aviation Corporation, assignee: *See*—
Brown, Robert L.

Berger, Meyers M., Youngstown, Ohio. Garment presser. 2,560,920, July 17.

Bergmann, Ernst, London, assignor to Polymerisable Products Limited, London County, England. Solvent extraction of butanolones from water. 2,560,921, July 17.

Berkowitz, Harry, assignor of one-half to E. Neufeld, New York, N. Y. Carrier for perfumed or other odoriferous material. 2,560,681, July 17.

Bethlehem Steel Company, assignee: *See*—
Fisher, Andrew J.
Martin, Walter N., and Riedel.

Bickelhaupt, George B., Jr., assignor to The Monomelt Co., Inc., Minneapolis, Minn. Automatic depth control for presses. 2,561,169, July 17.

Bickley, Everett H., Bala-Cynwyd, Pa. Mechanism for cracking nuts. 2,561,170, July 17.

Bickley, Everett H., Penn Valley, Pa. Depth sounding apparatus. 2,561,171, July 17.

Bierig, Carl W., Joplin, Mo. Mailbox with transparent auxiliary receptacle. 2,561,007, July 17.

Bill, Robert O., San Leandro, Calif. Hydraulic vehicle body elevating and lowering means. 2,560,714, July 17.

Bill, Robert O., San Leandro, Calif. Automotive vehicle with elevating and lowering body. 2,560,715, July 17.

Bischoff, Alfred F., Ballston Spa, N. Y., assignor to General Electric Company. Pulse timing circuit. 2,561,172, July 17.

Bishop, James W., assignor to The Fairey Aviation Company Limited, Hayes, England. Hydraulic valve. 2,560,841, July 17.

Blazewicz, Edmond T., Chicago, Ill. Snap hook. 2,560,550, July 17.

Bliss, Warren H., and I. E. Grosdoff, Princeton, N. J., assignors to Radio Corporation of America. Counter control circuits. 2,560,922, July 17.

Blumensaadt, Svend G., Beachwood Village, W. H. Neely, and N. A. Page, assignors to Universal Wire Spring Company, Cleveland, Ohio. Wire spring structure for seat constructions. 2,560,842, July 17.

Bockius, Christopher, Ridgewood, N. J., assignor to American Machine & Foundry Company. Article storing and dispensing device. 2,560,928, July 17.

Boddinghouse, Emmons R.: *See*—
Breitenstein, Victor W., and Boddinghouse.

Boeing Airplane Company, assignee: *See*—
Stark, William N.

Boersma, Barney, and J. S. Robinson, Grand Rapids, Mich., assignors to Sackner Products, Inc. Machine for manufacturing binding tapes or ties. 2,560,923, July 17.

Boggs, Samuel D., Jr., Clarendon Hills, and R. R. Handelman, assignors, by mesne assignments, to A. J. Parcelle, Chicago, Ill. Vehicle body lift and hitch. 2,560,625, July 17.

Boissonou, Clifford J., Concord, and W. J. Yates, Martinez, assignors to Shell Development Company, San Francisco, Calif. Insecticidal and fungicidal spray oil. 2,560,626, July 17.

Bollons, Joseph, Willowdale, Ontario, Canada. Layout fixture for cutting operations on wooden trim. 2,560,756, July 17.

Bompart, Reuben N., Helena, Mont. Emergency highway warning reflector. 2,561,173, July 17.

Bonard, Claude, administrator: *See*—
Dreyfus, Henry.

Borg, George W., Corporation, The, assignee: *See*—
Wickham, Parker B., and Johnston.

Borg-Warner Corporation, assignee: *See*—
Orr, Palmer.

Borowy, William W.: *See*—
Chapman, Romaine C., and Borowy.

Bortle, William J., Wireton, Pa., and C. E. Ranshaw, Wilmington, Del. Hydraulic torque wrench. 2,560,716, July 17.

Boschi, Antonio, assignor to Società Applicazioni Gomma Antivibranti, Milan, Italy. Combination metal and rubber structure. 2,560,627, July 17.

Bottemiller, Merton M.: *See*—
Christie, Donald R., and Bottemiller.

Bowar, Earl C., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Tank unit. 2,560,757, July 17.

Bowman, Robert S.: *See*—
Stevens, Donald R., and Bowman.

Boyce, Eugene L.: *See*—
Burrows, Milford D., and Boyce.

Boyce, Leonard D., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Switch device. 2,560,787, July 17.

Boyer, Ralph K., Lakewood, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Electric switch. 2,560,717, July 17.

Breitenstein, Victor W., Chicago, and E. R. Boddinghouse, Evanston, Ill., assignors to F. N. Bard. Internal-combustion rammer. 2,561,093, July 17.

Bristol, Carlton W., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Electric temperature control apparatus. 2,560,788, July 17.

Bristol Company, The, assignee: *See*—
Bristol, Carlton W.
Stewart, James N.

British Insulated Callender's Cables Limited, assignee: *See*—
Richardson, Arthur B. F. G., Tunnicliff, and Fisher.

Brockman, Frank G., Dobbs Ferry, assignor to Phillips Laboratories, Inc., Irvington-on-Hudson, N. Y. Photoflash lamp. 2,560,924, July 17.

Bronander, Wilhelm B., Montclair, N. J. Apparatus for calking fins. 2,561,174, July 17.

Brooks, Oakley, Columbus, Ohio. Fishing rod holder. 2,561,046, July 17.

Broos, Henricus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Phase inverter circuit. 2,561,047, July 17.

Brosemer, Louis C., Sacramento, Calif. Tile cutting machine. 2,560,843, July 17.

Brouwer, Albert J., Hilversum, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric circuit. 2,561,048, July 17.

Brown, Albert M., assignor to G. Stibbe & Co. Limited, Leicester, England. Yarn feeding mechanism for knitting machines. 2,561,175, July 17.

Brown & Bigelow, assignee: *See*—
Felt, Paul W.

Brown, Charles L., Bristow, Okla. Armature reaction control for alternators. 2,560,718, July 17.

Brown, Clayton W., Olive, Calif. Adjustable head rest. 2,560,925, July 17.

Brown, Robert L., assignee: *See*—
Waara, David H.

Brown, Robert L., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Overvoltage protector. 2,560,628, July 17.

Brown, Robert L., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Overvoltage protector. 2,560,629, July 17.

Brown, Robert L., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Overvoltage protector. 2,560,630, July 17.

Brownell, Harry R., New York, N. Y. Transformer. 2,560,926, July 17.

Brun, Max A., Rombas, and L. F. Sauvage, Homecourt, assignors to Compagnie des Forges et Acieries de la Marine et d'Homecourt (Societe Anonyme) and Societe Lorraine des Acieries de Rombas (Societe Anonyme), Paris, France. Distributing device for the charge of shaft furnaces. 2,560,844, July 17.

Brzozowski, Witold, Westmount, Montreal, Quebec, Canada, assignor to S. Czarnecki, Walden, N. Y. Rotor and rotor blade control apparatus for helicopters. 2,560,682, July 17.

Bubble Gun, Inc., assignee: *See*—
Limber, Nicholas J.

Buchal, Werner: *See*—
White, Zebulon L., and Buchal.

Buchanan Electrical Products Corporation, assignee: *See*—
Buchanan, Stephen N.

Buchanan, Stephen N., Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation, Elizabeth, N. J. Wire splice connector. 2,560,683, July 17.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Brake adjustment. 2,560,551, July 17.

Buckingham, Charles T., Marion, Pa. Circumcision clamp. 2,561,176, July 17.

Bucyrus-Erie Company, assignee: *See*—
Reischl, Karl E.

Buono, Joseph, New York, N. Y. Umbrella rib. 2,560,789, July 17.

Burd Piston Ring Company, assignee: *See*—
Bates, Albert H.

Burdick, Ralph V., Jr.: *See*—
Wheeler, Barbara B., and Burdick.

Burgess, Early R., Good Hope, Ga. Agricultural attachment for tractors. 2,560,631, July 17.

Burgess, George M., La Fayette, Ind. Gasifying oil burner for heating purposes. 2,561,264, July 17.

Burkett, Russell D.: *See*—
Lynn, Mark D., and Burkett.

Burkhard, Charles A., Schenectady, N. Y., assignor to General Electric Company. Organopolysiloxanes. 2,561,178, July 17.

Burns, Charles E., Portland, Oreg. Collapsible bath cabinet. 2,561,265, July 17.

Burritt, Burnell O., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Speed responsive pressure fluid servomotor. 2,560,758, July 17.

Burrows, Milford D., and E. L. Boyce, assignors to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Handle for lawnmowers and the like. 2,561,008, July 17.

Butler, Howard E.: *See*—
Eickmeyer, Earl E., and Butler.

Buttery, Kenneth T., and L. W. Sutherland, Jr., assignors to Sutherland Paper Company, Kalamazoo, Mich. Handled cup or like receptacle. 2,560,927, July 17.

Buys, Pieter K., and J. M. Cluwen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Protection of low-frequency amplifier or output tubes against overload. 2,561,049, July 17.

Byers, Clifton A., and P. C. Clugh, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Hydraulic brake master cylinder. 2,561,009, July 17.

C. D. Patents Limited, assignee: *See*—
Greaves, Charles D., and Smith.

Calbeck, Robert L., assignor to Crane Co., Chicago, Ill. Tool for assembling radiator sections or the like. 2,560,929, July 17.

Calder, Caesar A., Verona, N. J. Collar support and making same. 2,560,684, July 17.

California Research Corporation, assignee: *See*—
Condit, Paul C.
Gaby, Philip P.

Caliri, Joseph L., Orange, N. J., assignor, by mesne assignments, to Caliri Manufacturing Co., Inc., Lawrence, Mass. Soldering gun. 2,560,552, July 17.

Caliri Manufacturing Co., Inc., assignee: *See*—
Caliri, Joseph L.

Caloric Stove Corporation, assignee: *See*—
Klein, Gustav.

Calumet and Hecla Consolidated Copper Company, assignee: *See*—
Hill, Walter P.

Campise, Nash O., assignor to Houston Oil Field Material Company, Inc., Houston, Tex. Mixture for controlling properties of drill fluids. 2,560,930, July 17.

Carlsen, Carl E., assignee: *See*—
Belefant, Bejamin.

Carnell, Paul H., Albion, assignor to Leonard Refineries, Inc., Alma, Mich. Stabilizing cracked distillate. 2,560,632, July 17.

Carney, Samuel E., and C. H. Miriani, St. Louis, Mo. Toy airplane. 2,561,179, July 17.

Carniol, Bohdan T., assignor to Tesla, Electrical and Radio Industry, Prague, Czechoslovakia. Electrostatically controlled diode voltmeter. 2,561,180, July 17.

Carpenter, Arley D.: *See*—
Carpenter, John A., and A. D.

Carpenter, John A. and A. D., Los Angeles, Calif. Hanger. 2,560,845, July 17.

Carr, Adams & Collier Company, assignee: *See*—
Adams, Paul L., Norman, and Sitterly.

Carson, Clarence M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Prevention of fogging of transparent packages. 2,561,010, July 17.

Carson, Clarence M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Nonfogging rubber hydrochloride film and making it. 2,561,011, July 17.

Carter Carburetor Corporation, assignee: *See*—
Boyce, Leonard D.

Case, J. I., Company, assignee: *See*—
Richardson, Martin A.

Caster, Eldred E., Tigard, Oreg. Reamer attachment for hacksaws. 2,560,846, July 17.

Caterpillar Tractor Co., assignee: *See*—
Johnson, Lloyd E.

Celanese Corporation of America, assignee: *See*—
Bartlett, William D.
Dreyfus, Henry.

Central Railway Supply Company, assignee: *See*—
Johnson, Malcolm S., and Oakley.

Chadwick, Lee S., Shaker Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Cabinet construction. 2,561,094, July 17.

Chaims, Jerome, assignee: *See*—
Gould, Charles T.

Chaplin Corporation, assignee: *See*—
Chaplin, Merle P.

Chaplin, Merle P., assignor to Chaplin Corporation, South Portland, Maine. Molded fibre article. 2,560,847, July 17.

Chapman, Harold D., and W. I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Dehydration of acetonitrile. 2,560,931, July 17.

Chapman, Romaine C., West Cheshire, and W. W. Borowy, Oakville, assignors to Scovill Manufacturing Company, Waterbury, Conn. Snap fastener display card. 2,560,932, July 17.

Charron, Charles S., and L. Crawford-Brown, Toronto, Ontario, Canada. Method and apparatus for cutting flat shaped pieces from plastic materials. 2,561,050, July 17.

Chester, Alan E., Highland Park, Ill. Metal faced building block. 2,561,095, July 17.

Chicago Bridge & Iron Company, assignee: *See*—
Michaels, Ernest E.

Chicago Steel Foundry Company, assignee: *See*—
Garrison, Charles K.

Christie, Donald R., and M. M. Bottemiller, Wadena, Minn. Dental matrix clamp. 2,560,553, July 17.

Chun, Herbert H., Marblehead, and H. H. Homer, Arlington, assignors to Sylvania Electric Products Inc., Salem, Mass. Lamp electrode. 2,560,933, July 17.

Clark, Harold H., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for venting tire casings. 2,561,012, July 17.

Clark Metal Products, Inc., assignee: *See*—
Lockwood, Harry A.

Clarke, Edgar W., Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa. Solvent refining of wax-containing mixtures. 2,561,096, July 17.

Cleaver, William H., Audubon, assignor to Samuel M. Langston Co., Camden, N. J. Sheet delivery control for cutoff mechanisms. 2,561,097, July 17.

Clover Industries, Inc., assignee: *See*—
Henderson, Harold P., and Kaplan.

Clugh, Paul C.: *See*—
Byers, Clifton A., and Clugh.

Clutier, Guy, Paris, and M. Assada, Villefranche-sur-Saone, France. Sound recording and reproducing. 2,561,181, July 17.

Cluwen, Johannes M.: *See*—
Buys, Pieter K., and Cluwen.

Coach & Car Equipment Corporation, assignee: *See*—
Hollis, Edward W.

Cochran, John K., Conyngham, assignor to The Duplan Corporation, Hazleton, Pa. Yarn take-up disk for double twist spindles. 2,560,848, July 17.

Coe, George B., Upper Montclair, N. J., assignor to Tube Reducing Corporation, Stamford, Conn. Reducing mill drive. 2,560,934, July 17.

Coghill, James T., Fairport, and H. H. Langdon, assignors to Consolidated Machine Tool Corporation, Rochester, N. Y. Apparatus for thickening pulp. 2,561,013, July 17.

Colby, Joseph M., Grosse Pointe, Mich. Differential drive gearing and electrodynamic brake control therefor. 2,560,554, July 17.

Cole, Arthur T., assignee: *See*—
Cole, Parker.

Cole, Nelson E., assignor to Parish Pressed Steel Co., Reading, Pa. Body structure for vehicles. 2,561,098, July 17.

Cole of California, Inc., assignee: *See*—
Laszlo, Margit F.

Cole, Parker, San Gabriel, assignor of one-half to A. T. Cole, Alhambra, Calif. Flush tank. 2,560,532, July 17.

Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Adjustable fluid passage. 2,560,634, July 17.

Collins Radio Co., assignee: *See*—
David, Frank M.

Color Television, Inc., assignee: *See*—
Sleeper, George E., Jr.

Columbian Carbon Company, assignee: *See*—
Martin, John.

Compagnie des Forges et Acieries de la Marine et d'Homecourt (Societe Anonyme), assignee: *See*—
Brun, Max A., and Sauvage.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Gutton, Henri, and Ortusi.

Condit, Paul C., Berkeley, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Reduction of organic nitro compounds to amines. 2,560,535, July 17.

Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See*—
Wolf, Edgar F., and von Hohenleiten.

Consolidated Machine Tool Corporation, assignee: *See*—
Coghill, James T., and Langdon.

Contact Products, Inc., assignee: *See*—
Graves, Eliot D., and McDougal.

Conyers, Lloyd A., Compton, Calif. Gas clearing apparatus. 2,560,635, July 17.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Multitemperature absorption refrigerating system using multiple stages of generation. 2,560,790, July 17.

Cooper, Victor J., Writtle, England, assignor to Radio Corporation of America. Variable inductance for use on very high frequencies. 2,560,685, July 17.

Copenhaver, John W., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Tetrahydro pyran and furan derivatives and producing the same. 2,561,307, July 17.

Corrington, Murlan S., Haddonfield, N. J., assignor to Radio Corporation of America. Signal amplitude controlling transformer loading circuit. 2,561,059, July 17.

Cory Corporation, assignee: *See*—
Peters, Herbert W.

Costelow, John F., Kansas City, Mo. Insulation cutter. 2,561,099, July 17.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,561,308, July 17.

Coventry Climax Engines Limited, assignee: *See*—
Walker, Daniel N.

Crabtree, R. W., & Sons Limited, assignee: *See*—
Phythian, Thomas E.

Crane Co., assignee: *See*—
Calbeck, Robert L.

Crane Packing Company, assignee: *See*—
Payne, Frank E.

Crane, Robert, Jr., Begg Drive, N. Y., assignor to General Precision Laboratory Incorporated. Sharp frequency discriminator. 2,561,182, July 17.

Crawford-Brown, Lyman: *See*—
Charron, Charles S., and Crawford-Brown.

Creedon, Neil J., Glens Falls, N. Y. Multipurpose camera support. 2,560,556, July 17.

Crenshaw, Wade H., Monroe, Ga. Cultivator equipment for tractors. 2,560,636, July 17.

Cribben and Sexton Company, assignee: *See*—
Port, Frederick J., Hall, and Turner.

Crozier, Robert N., E. Lavin, and A. T. Marinaro, assignors to Shawinigan Resins Corporation, Springfield, Mass. Vinyl acetal resin stabilized with urea-formaldehyde reaction product. 2,561,183, July 17.

Culligan Zeolite Company, assignee: *See*—
Klumb, George H.

Curtis, George W., Wauwatosa, Wis. End face oil and dirt seal. 2,560,557, July 17.

Curtis, Myron S., assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,560,686, July 17.

Cushing, Philip S., assignee: *See*—
Gould, Charles T.

Cutler-Hammer, Inc., assignee: *See*—
Hodgson, Howard E., and Ranson.

Czarnecki, Stefan, assignee: *See*—
Brzozowski, Witold.

Dahlstrom, John A., Bay Village, assignor to Perfection Stove Company, Cleveland, Ohio. Furnace construction involving removable combustion chamber housing. 2,561,100, July 17.

Dahlstrom, Paul F., La Grande, Oreg. Ironing board. 2,560,849, July 17.

Daily, James M., Portland, Oreg. Ozone generator. 2,561,014, July 17.

Davidson Corporation, assignee: *See*—
Davidson, William W.

Davidson, William W., Evanston, Ill., assignor, by mesne assignments, to Davidson Corporation. Sheet feeding mechanism for printing presses. 2,561,015, July 17.

Davis, Frank M., deceased, Cedar Rapids, Iowa; by J. E. Davis, executrix, Cedar Rapids, Iowa, assignor to Collins Radio Co. Radio transmitting and receiving combination. 2,560,558, July 17.

Davis, Jane E., executrix: *See*—
Davis, Frank M.

Davis, Otis I., Mobile, Ala. Sign. 2,560,719, July 17.

Dawson, John W., West Newton, and D. P. Faulk, Waltham, assignors to Raytheon Manufacturing Company, Newton, Mass. Electronic timing system. 2,560,720, July 17.

Day, Orville E., Philadelphia, Pa. Tactual micrometer. 2,560,850, July 17.

Dayton, Charles S.: *See*—
Haywood, Gerald, and Dayton.

Dayton Pump and Manufacturing Company, The, assignee: *See*—
Eickmeyer, Earl E., and Butler.

Dearborn, Henry C., United States Navy. Gasoline operated pneumatic tool. 2,560,559, July 17.

Deere & Company, assignee: *See*—
Roscoe, Merrill W., and Beldin.

Deere Manufacturing Co., assignee: *See*—
Jones, Frank D., Slavens and Woolsoncroft.

Deere, John, Van Brunt Company, assignee: *See*—
Schmutzler, Eugene F.
Schnell, Ernst E.

Dehn, Rudolph A., Schenectady, N. Y., assignor to General Electric Company. Transmission line attenuator. 2,561,184, July 17.

Delaroiere, Bernard J. M. A., assignor to Delaroiere & Le Clercq, Société a Responsabilite Limitée, Amiens, France. Automatic shuttle changer for double fabric looms. 2,560,687, July 17.

Delaroiere & Le Clerq, Société a Responsabilite Limitée, assignee: *See*—
Delaroiere, Bernard J. M. A.

Den Hertog, Martinus, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Group selection control circuit. 2,561,051, July 17.

Deniston, George L.: *See*—
Knox, William G., and Deniston.

Denton, William I.: *See*—
Chapman, Harold D., and Denton.

Detroit Lubricator Company, assignee: *See*—
Foulds, Andrew K.

Dewey, Clarence L., Grand Rapids, Mich. Rotary peener. 2,561,101, July 17.

Dickinson, John T., Basking Ridge, assignor to The M. W. Kellogg Company, Jersey City, N. J. Extraction of oleiferous materials. 2,560,935, July 17.

Dickinson, Richard H., Old Windsor, assignor to Hygroequipments Limited, London, England. Pump. 2,560,851, July 17.

Dietert, Harry W., assignor to Harry W. Dietert Company, Detroit, Mich. Method and apparatus for forming test specimens of molding sand and the like. 2,561,266, July 17.

Dietert, Harry W., Company: *See*—
Dietert, Harry W.

Dill Manufacturing Company, The, assignee: *See*—
Boyer, Ralph K.

Doherty, Orval A., Fort Wayne, Ind., assignor to General Electric Company. Stator for universal electric motors. 2,560,560, July 17.

Dooley, John T., Buffalo, N. Y. Directional signal. 2,561,267, July 17.

Doolittle, Donald B., assignor to All American Airways, Inc., Wilmington, Del. Parachute initial peak load reducer. 2,560,637, July 17.

Dorey, George B., Westmount, Quebec, Canada. Journal box lid. 2,561,052, July 17.

Dorton, John M., Bonner Springs, Kans. Adjustable chair. 2,560,688, July 17.

Dorton, John M., Bonner Springs, Kans. Wall bed. 2,560,689, July 17.

Dow Chemical Company, The, assignee: *See*—
Fry, William A.
Head, James D.

Dow Corning Corporation, assignee: *See*—
Barry, Arthur J.

Drake, Robert V., Chicago, Ill. Lead cutting tool. 2,561,185, July 17.

Drane, John G., Tempe, Ariz. Electric pressure gauge. 2,560,852, July 17.

Dreyfus, Henry, deceased, London, England; by C. Bonard, administrator, London, England, assignor to Celanese Corporation of America. Manufacture of cellulose. 2,560,638, July 17.

Dunford, Ernest, assignor to Landis Machine Company, St. Louis, Mo. Shoe press last structure. 2,560,533, July 17.

Dunham, George W., Westport, Conn., assignor to General Electric Company. Washing machine. 2,561,186, July 17.

Duplan Corporation, The, assignee: *See*—
Cochran, John K.

Du Pont, E. I., de Nemours and Company, assignee: *See*—
Firestine, John C.
Howard, Edward G., Jr.
Kirk, William, Jr.
MacDonald, Robert N.
McBurney, Dorman, and Thomas.
Mighton, Charles J.
Ness, Arthur B.
Pease, Donald C.
Stark, Henry M.

Dyksma, Edward J., Harvey, Ill. Retractable wheel attachment for bicycles. 2,561,268, July 17.

Eastern Rotorcraft Corporation, assignee: *See*—
Huber, John R.

Eastlund, Louis, Brooklyn, N. Y. Gripping or lifting means. 2,560,936, July 17.

Eastman Kodak Company, assignee: *See*—
Hickman, Kenneth C. D., and Kuipers.

Eaton Manufacturing Company, assignee: *See*—
Findley, Howard J.

Edison, Thomas A., Incorporated, assignee: *See*—
Weinberg, Harold L.

Efron, Theodore, assignee: *See*—
Schaefer, Edward E.

Eichenbaum, Eugene M., assignee: *See*—
Landells, Joseph H.

Eickmeyer, Earl E., and H. E. Butler, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Self-coiling flexible hose for dispensing pumps. 2,560,853, July 17.

Elastic Stop Nut Corporation of America, assignee: *See*—
Hallock, Robert L.

Electric Auto-Lite Company, The, assignee: *See*—
Bailey, Benjamin F.

Electric Boat Company, assignee: *See*—
Gegenheimer, Harold W.

Elleman, Tom, Port Washington, Wis., assignor, by mesne assignments, to The Seng Company, Chicago, Ill. Base for swivel chairs. 2,561,102, July 17.

Elliott, Harold F., Belmont, Mass., assignor to Motorola, Inc. Program-timing mechanism. 2,561,187, July 17.

Ellis, C. R., United States Navy, and W. E. Frye, Washington, D. C. Electrical switch. 2,560,561, July 17.

Emory, Frank N., Pittsburgh, Pa. Locomotive. 2,561,269, July 17.

Ens, Emil J., assignor to Magnus Research, Inc., Newark, N. J. Adjustable cropping angle device. 2,560,937, July 17.

Enthone, Inc., assignee: *See*—
Meyer, Walter R.

Ernst, Max, Nuremberg, Germany. Pushing and driving mechanism for toys. 2,560,938, July 17.

Ethyl Corporation, assignee: *See*—
Sugimoto, Roy.

Euclid Electric & Manufacturing Company, The, assignee: *See*—
Griffes, Milton W., and Merchant.

Euler, Fred J., Jr.: *See*—
Zavales, Charles T., Euler, and Kalstein.

Evernden, Harold I. F., Hazelwood, Duffield, near Derby, and F. J. Hardy, Alvaston, Derby, assignors to Rolls-Royce Limited, Derby, England. Bearing support for a two-part universally coupled transmission shaft. 2,560,759, July 17.

Fairey Aviation Company Limited, The, assignee: *See*—
Bishop, James W.

Faith, Herman E., Indianapolis, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. 2-hydroxymethyl-6-chlorothymol. 2,560,760, July 17.

Faith, Herman E., New Palestine, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. 2,2-methylenebis-(4-chloro-6-acetamido-phenol) and its production. 2,560,939, July 17.

Falk Corporation, The, assignee: *See*—
Schmitter, Walter P.

Fallert, Clifford D., assignor to Gaylord Container Corporation, St. Louis, Mo. Garment container. 2,561,053, July 17.

Faulk, Donald P.: *See*—
Dawson, John W., and Faulk.

Faultless Rubber Company, The, assignee: *See*—
Hoppes, Carl.

Fawick, Thomas L., Cleveland, Ohio. Cushioned gear. 2,561,103, July 17.

Fawick, Thomas L., Cleveland, Ohio. Reverse gear. 2,561,104, July 17.

Faximile, Inc., assignee: *See*—
Walker, La Verne C.

Felt, Paul W., assignor to Brown & Bigelow, St. Paul, Minn. Liquefied petroleum gas lighter. 2,561,270, July 17.

Ferguson, Martin J., Swansea, Ontario, Canada. Merchandise display device and/or package. 2,560,761, July 17.

Ferguson, Marvin D., Minneapolis, Minn. Windshield protector. 2,561,188, July 17.

Ferrand, Louis, Paris, France. Apparatus for the continuous operation of cells for the electrolysis of molten salts. 2,560,854, July 17.

Ferwerda, Ray, Lake Lucerne, Ohio. Caster. 2,560,562, July 17.

Fincher, Dewitt F. and H. T., Fort Worth, Tex., assignors of one-hundredth part to W. T. Wofford, Pittsburgh, Pa. Portable armrest for motor vehicles. 2,560,791, July 17.

Fincher, Hoyt T.: *See*—
Fincher, Dewitt F. and H. T.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Electromagnetic drive apparatus. 2,560,940, July 17.

Fink, Rudolph, Osborn, Ohio, and C. H. Webb, Friendly, W. Va. Aerial pickup. 2,560,563, July 17.

Finlayson, Frank E., Ontario, Calif., assignor to General Electric Company. Block soleplate and cover for electric flatirons. 2,561,189, July 17.

Firestine, John C., South River, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of 2-methyl-5-benzoyl benzoxazole and cyclammonium salts thereof. 2,561,190, July 17.

Fisher, Andrew J., Sparrows Point, Md., assignor to Bethlehem Steel Company. Multijet oil burner. 2,560,941, July 17.

Fisher, Ivan K.: *See*—
Richardson, Arthur B. F. G., Tunnicliff, and Fisher.

Flanagan, William F., assignor to New Wrinkle, Inc., Dayton, Ohio. Device for differentially heating a plastic film. 2,560,855, July 17.

Florence Stove Company, assignee: *See*—
Reeves, Herbert M.

Ford, Charles J., and R. L. Miller, assignors to Wingfoot Corporation, Akron, Ohio. Safety stanchion. 2,561,016, July 17.

Ford, Ledger D., and F. L. Stutz, assignors to Kirsch Company, Sturgis, Mich. Curtain rod. 2,560,942, July 17.

Forkey, Willard G., Augusta, Ga. Radial roller bearing. 2,561,105, July 17.

Forwald, Haakon, Valhalla, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Compressed air circuit breaker with a plurality of series connected breaking gaps. 2,561,191, July 17.

Forwald, Haakon, Valhalla, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Valve for compressed air circuit breakers. 2,561,192, July 17.

Foster and Foster, assignee: *See*—
Foster, Warren D., and Wilson.

Foster, Warren D., Eustis, Fla., and O. W. Wilson, Yonkers, N. Y., assignors to Foster and Foster, Ridgewood, N. J. Film containing magazine and film handling apparatus. 2,560,564, July 17.

Foulds, Andrew K., Grosse Pointe, assignor to Detroit Lubricator Company, Detroit, Mich. Fuel feeding control means responsive to air blower pressure. 2,561,106, July 17.

Franta, Edward J., Cicero, Ill. Mop cleaning attachment. 2,560,856, July 17.

Free Sewing Machine Co., assignee: *See*—
Ivandick, Matthew G.

Freeman, Robert W., Purchase, assignor of one-half to L. S. Saulsbury, New York, N. Y. Combined hose connector and clamp. 2,560,565, July 17.

French Oil Mill Machinery Company, The, assignee: *See*—
Stacy, Thomas F.

Friedman, Samuel, assignor to Reliable Machine Works, Inc., Brooklyn, N. Y. Hand-manipulated fur treating tool. 2,560,943, July 17.

Fry, William A., assignor to The Dow Chemical Company, Midland, Mich. α-methyl benzyl esters of camphollic and fencholic acids. 2,561,193, July 17.

Frye, William E.: *See*—
Ellis, C. Richard, and Frye.

Fuller Brush Company, The, assignee: *See*—
Le Febvre, Alfred L.

Furczyk, Alfons A., assignor to Selas Corporation of America, Philadelphia, Pa. Internal gas burner. 2,561,194, July 17.

Gabrielson, Samuel I., Southport, Conn., assignor to General Electric Company. Clothes wringer control mechanism of the instinctive release type. 2,561,195, July 17.

Gaby, Philip P., Oakland, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Method and apparatus for seismic underwater prospecting. 2,561,309, July 17.

Gajewski, Ferdinand J.: *See*—
Ayo, Jackson J., Gajewski, and Sanders.

Gambetta, Emmanuel L., Saint-Mande, France, assignor to G. Grell, New York, N. Y. Apparatus for measuring electrochemical potentials. 2,560,857, July 17.

Garden City Plating & Manufacturing Co.: *See*—
Kurtzon, George B.

Garrison, Charles K., assignor to Chicago Steel Foundry Company, Chicago, Ill. Safety hook. 2,561,017, July 17.

Garrison, Clifford L., assignor to Oliver Instrument Company, Adrian, Mich. Cooling system and apparatus for abrasive wheels. 2,560,944, July 17.

Gaubert, Rene J., assignor to Simplex Packaging Machinery, Inc., Oakland, Calif. Electrical control apparatus. 2,561,107, July 17.

Gauthier, Marcel C., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Soldering fixture. 2,561,196, July 17.

Gaylord Container Corporation, assignee: *See*—
Fullert, Clifford D.

Gaylord Products, Incorporated, assignee: *See*—
Weaver, Ruth K.

Gegenheimer, Harold W., Mystic, assignor to Electric Boat Company, Groton, Conn. Geared adjustment means. 2,561,018, July 17.

Gendron Wheel Company, assignee: *See*—
Rideout, John G.

General Aniline & Film Corporation, assignee: *See*—
Ayo, Jackson J., Gajewski, and Sanders.
Bates, James E.
Copenhaver, John W.
Jones, Griffin D.
Mayhew, Raymond L.
Randall, David I., and Renfrew.
Roberts, Stiles M.
Sweet, Monroe H.
Thompson, Thomas R., and Popeck.

General Electric Company, assignee: *See*—
Bischoff, Alfred F.
Burkhard, Charles A.
Dehn, Rudolph A.
Doherty, Orval A.
Dunham, George W.
Finlayson, Frank E.
Gabrielson, Samuel I.
Hogg, Francis M.
Houser, Philip H., and Peterson.
Mahowald, Curtis J.
Matson, William N., and Mayor.
Ogden, Harold S.
Treanor, Edward D.
Woodson, Thomas T.

General Electric Company, Limited, The, assignee: *See*—
Levy, Maurice M.

General Mills, Inc., assignee: *See*—
Aiken, Percy.
Anderson, Helmer.

General Motors Corporation, assignee: *See*—
Bell, William F.
Hartzell, Herman L.
Tuttle, Charles D.
Wirt, John R.

General Precision Laboratory, Incorporated, assignee: *See*—
Crane, Robert, Jr.

George, Everett D., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Tube splicing apparatus. 2,561,019, July 17.

Gerber, George L., assignor to Kroehler Mfg. Co., Naperville, Ill. Seat roll construction fixture. 2,561,108, July 17.

Gerber, Heinz J., Hartford, Conn., assignor to The Gerber Scientific Instruments Company. Instrument for measuring, interpolating, and the like. 2,561,020, July 17.

Gerber Scientific Instruments Company, The, assignee: *See*—
Gerber, Heinz J.

Ghegan, Joseph A., Irvington, N. J. Sunshade. 2,560,762, July 17.

Giacoletto, Lawrence J., Eatontown, N. J., assignor to Radio Corporation of America. Semiconductor device. 2,561,109, July 17.

Gibney, Robert B., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrolytic surface treatment of germanium. 2,560,792, July 17.

Gibson, Joseph A., Kimball, Nebr. Catalogue file. 2,560,721, July 17.

Giesler, Jean V., and H. E. Kaserman, assignors to Robertshaw-Fulton Controls Company, Knoxvile, Tenn. Continuous casting of metal. 2,560,639, July 17.

Giodvad Grell, assignee: *See*—
Gambetta, Emmanuel L.

Godefroid, William V., assignor of one-half to C. L. Propst, Valley Park, Mo. Concrete block molding machine. 2,560,722, July 17.

Goldberger, Morris A., New York, N. Y. Infant's crib. 2,560,945, July 17.

Goldsmith, Alfred N., New York, N. Y. Television inspection system. 2,561,197, July 17.

Good, Lowell H., Riverton, N. J., assignor to Radio Corporation of America. Electronic control circuit. 2,560,640, July 17.

Goodlet, Gilbert A., Windsor, Mo. Tree-felling and log-cutting saw attachment for tractors. 2,560,641, July 17.

Goodrich, B. F., Company, The, assignee: *See*—
Colley, Russell S.

Gossick, Ben R., Oak Ridge, Tenn., assignor to Radio Corporation of America. Metal slug resonator. 2,560,946, July 17.

Gould, Charles T., Walpole, assignor to P. S. Cushing, Norwood, Mass., and J. Chaims, New York, N. Y., doing business as American Pipe Cleaner Co., Norwood, Mass. Machine for packaging pipe cleaners and the like. 2,561,271, July 17.

Graves, Elliot D., Pasadena, and M. McDougal, Glendale, assignors to Contact Products, Inc., Los Angeles, Calif. Making pressure sensitive labels. 2,560,566, July 17.

Graves, Roy M.: *See*—
Lang, Harry A., and Graves.

Gray, Cecil L.: *See*—
Rieman, Hylma H., and Gray.

Gray, Edward J., deceased, New York, N. Y.; I. C. Gray, executrix. Safety razor. 2,561,110, July 17.

Gray, Irene C., executrix: *See*—
Gray, Edward J.

Greaves, Charles D., London, and D. B. Smith, Woodford Green, assignors to C. D. Patents Limited, London, England. Treatment of pitches or tars and the manufacture of molded articles therefrom. 2,560,642, July 17.

Greenberg, Charles B., New York, N. Y. Chuck for jeweler's screw driver. 2,560,947, July 17.

Greene, Edgeworth, Great Notch, assignor to Inter-Seal Corporation, Spring Lake, N. J. Tamperproof closure for receptacles. 2,560,793, July 17.

Griffes, Milton W., and C. W. Merchant, Lake County, assignors to The Euclid Electric & Manufacturing Company, Madison, Ohio. Edgewound resistor. 2,560,690, July 17.

Griffin, Roger L., Marblehead, and N. Y. Moore, Danvers, assignors to A. C. Lawrence Leather Company, Peabody, Mass. Spraying apparatus for spraying moving plates. 2,561,198, July 17.

Griffith, Ben H., Jr., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dielectric drier having an adjustable exhaust system. 2,560,763, July 17.

Grip, Erik: *See*—
Toorell, Sture, and Grip.

Grogan, William B., Long Beach, Calif. Venetian blind. 2,560,858, July 17.

Grosdoff, Igor E.: *See*—
Bliss, Warren H., and Grosdoff.

Grote, Alfred W., Freeport, Maine. Container with spring-biased closure having means for dispensing a measured quantity of container contents. 2,561,111, July 17.

Groth, Fred A., assignor to himself and S. M. Whitehill, Chicago, Ill. Apparatus for injection molding. 2,561,021, July 17.

Guarantee Specialty Manufacturing Company, The, assignee: *See*—
Haynam, Harvey H.
Wright, Richard H., and Haight.

Guardite Corporation, assignee: *See*—
Heineman, Arnold H.
Warner, Benjamin R.

Gubitose, Nicholas F.: *See*—
Thomas, Alfred W., Jr., and Gubitose.

Gulf Research & Development Company, assignee: *See*—
Stevens, Donald R., and Bowman.

Gunderson, Norman R., Pasadena, Calif. Apparatus and method for use in color reproduction. 2,560,567, July 17.

Gustavson, Alvin N., Bemus Point, assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,561,272, July 17.

Gut, Emil, Luzern, Switzerland. Wireworking machine. 2,560,794, July 17.

Gutton, Henri, and A. J. Ortusi, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Modulating the high-frequency energy transmitted in hollow dielectric guides. 2,560,859, July 17.

Hagen, Glenn E., Lawndale, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Voltage regulated multiple amplifier for pulses. 2,560,691, July 17.

Hahn, Douglas, Ridgewood, N. J., assignor to B. Altman & Co., New York, N. Y. Hosiery package. 2,561,112, July 17.

Haight, Douglas G.: *See*—
Wright, Richard H., and Haight.

Hale, Arthur N., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,561,310, July 17.

Hall, Elisha W., Scituate, Mass. Buffing wheel or wheel section. 2,560,764, July 17.

Hall, Jesse E., Weatherford, Tex., assignor of ninety per cent to Nevada Leasehold Corporation, Las Vegas, Nev., and ten per cent to Parker Industrial Products, Inc., Weatherford, Tex. Well cementing apparatus. 2,560,692, July 17.

Hall, John R.: *See*—
Port, Frederick J., Hall, and Turner.

Hallberg, Henry T., Chicago, Ill. Gravity and inertia fed pencil. 2,561,113, July 17.

Hallicrafters Co., The, assignee: *See*—
Mayberry, Leonard A.

Hallock, Robert L., Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union Township, N. J. Nail with spreading points. 2,560,643, July 17.

Hamilton, Clark H., Oakland, Calif. Microchemist's syringe. 2,561,273, July 17.

Hammond Instrument Company, assignee: *See*—
Hammond, Laurens, and Hanert.

Hammond, Laurens, Chicago, and J. M. Hanert, Park Ridge, assignors to Hammond Instrument Company, Chicago, Ill. Vibrato apparatus. 2,560,568, July 17.

Handelman, Ralph R.: *See*—
Boggs, Samuel D., Jr., and Handelman.

Hanert, John M.: *See*—
Hammond, Laurens, and Hanert.

Hannegan, Thomas P., St. Paul, Minn. Door controlling device. 2,560,860, July 17.

Hannibal, Lester S., and J. R. Turner, Concord, assignors to Shell Development Company, San Francisco, Calif. Differential pressure metering system. 2,560,948, July 17.

Hansen, Ludvig J., Denver, Colo. Fish lure retrieving device. 2,560,723, July 17.

Hanson, Hilmer E., Chicago, Ill. Necktie knot form. 2,560,861, July 17.

Hanze, Arthur R.: *See*—
Weisblat, David I., and Hanze.

Harder, George W., Louisville, Ky. Boat carrier for automobiles. 2,561,199, July 17.

Hardin, Joseph O., Jr., Shelby, N. C. Front wheel mounting for tractors. 2,561,114, July 17.

Hardy, Frederick J.: *See*—
Evernden, Harold I. F., and Hardy.

Hare, Donald G. C., Stamford, assignor to Magnetic Equipment, Inc., Greenwich, Conn. Precision mount for magnetic recording-reproducing heads. 2,560,569, July 17.

Harig, Rudolph C., Algona, Iowa. Carrier attachment for tractors. 2,560,570, July 17.

Harley, Earle L., Brooklyn, N. Y. Machine for and method of registering printing plates. 2,561,115, July 17.

Harmon, Robert B., assignor to Southern Welding & Machine Company, Charlottesville, Va. Wool oiling system. 2,560,949, July 17.

Harnischfeger Corporation, assignee: *See*—
Pervier, Charles F.

Harrington, Bertie S., assignor to Armour and Company, Chicago, Ill. Cutting apparatus. 2,561,274, July 17.

Harris, Dale E., Sanger, Calif. Heater for lubricants. 2,560,795, July 17.

Harrison, James A., Southfield Township, Oakland County, Mich. Gas burner with internal fuel distributors and variable flame area. 2,560,862, July 17.

Harrison, William H., Los Angeles, Calif. Mirror for use in determining color contrast. 2,560,724, July 17.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Arends, Jacobus L., and Hugenholtz.
Broos, Henricus A.
Brouwer, Albert J.
Buys, Pieter K., and Cluwen.
Hugenholtz, Eduard H.
Jonker, Johannes L. H., and van Overbeek.
Rinia, Herre, and van Weenen.
Schouten, Jan F., and Rodenburg.
Van de Wiel, Alfred.
Van Weenen, Franciscus L., and Stigter.

Hartzell, Herman L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Flexible shaft coupling. 2,560,644, July 17.

Hastings Manufacturing Company, assignee: *See*—
Olsen, Ernest R.

Hawkins, Aline B., Bellflower, Calif. Gauge. 2,560,571, July 17.

Haynam, Harvey H., Euclid, assignor to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Unitary Venetian blind bracket construction. 2,560,765, July 17.

Hays, George E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating high condensation point materials from hydrocarbons. 2,560,645, July 17.

Haywood, Gerald, Western Port, and C. S. Dayton, Luke, Md., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Coating paper. 2,560,572, July 17.

Hazel, James F., Havertown, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Production of finely divided amorphous silica. 2,561,304, July 17.

Head, James D., assignor to The Dow Chemical Company, Midland, Mich. Production of o-cresol derivatives. 2,560,950, July 17.

Hearn, Carl M., Martin, Tenn. Grapple. 2,560,863, July 17.

Heineman, Arnold H., Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. Drying of bulk products. 2,560,573, July 17.

Hempstead, Howard M., assignee: *See*—
Knox, William G., and Deniston.

Hempstead, Louise M., assignee: *See*—
Knox, William G., and Deniston.

Henderson, Harold P., and P. Kaplan, assignors to Clover Industries, Inc., Buffalo, N. Y. Embedded screw-threaded socket. 2,560,951, July 17.

Hentschel, William E., Detroit, Mich. Ash collector with shredding means. 2,561,275, July 17.

Herold, Edward W., Kingston, N. J., assignor to Radio Corporation of America. Quantitative gas measuring. 2,560,952, July 17.

Herter, George L., Waseca, Minn. Mortar sight. 2,560,574, July 17.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Internal gas burner. 2,561,200, July 17.

Hettinger, Charles, West Englewood, N. J. Machine for molding sour rye dough. 2,560,864, July 17.

Heywood-Wakefield Company, assignee: *See*—
Bell, Alfred B.

Hickman, Clarence J., Oronoque, assignor to Tey Manufacturing Corporation, Milford, Conn. Ski. 2,560,693, July 17.

Hickman, Kenneth C. D., and G. A. Kuipers, assignors by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Oil vapor pump. 2,560,646, July 17.

Higgins, Inc., assignee: *See*—
Johnson, George H., and Higgins.

Higgins, Roland C.: *See*—
Johnson, George H., and Higgins.

Higgins, Thomas, Astoria, N. Y. Educational game device. 2,560,647, July 17.

Highway Trailer Company, assignee: *See*—
Knudsen, George P.

Hill, Walter P., Detroit, assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Refrigerator cabinet construction. 2,561,276, July 17.

Hill, Walter P., Detroit, assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Ice tray supporting assembly for refrigerators. 2,561,277, July 17.

Hill, Walter P., Detroit, assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Removable refrigerating apparatus. 2,561,278, July 17.

Hilpman, John H., Springfield, N. Y., assignor to Mergenthaler Linotype Company. Mold cooling system for typographical casting machines. 2,560,648, July 17.

Himel, Chester M.: *See*—
Wagner, Cary R., Axe, and Himel.

Hindmarch, Thomas, London, England. Reversing gear. 2,560,865, July 17.

Hodgson, Howard E., Wauwatosa, and R. R. Ranson, Whitefish Bay, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Limit control. 2,561,054, July 17.

Hoeppner, Conrad H., Washington, D. C. Stabilized multivibrator. 2,560,576, July 17.

Hof, Zygmunt, Jerusalem, Palestine. Variable resistor. 2,561,116, July 17.
Hoffer, James F., Detroit, Mich. Flexible drive coupling. 2,561,117, July 17.
Hogg, Francis M., Findley Lake, N. Y., assignor to General Electric Company. Refrigerator latch. 2,561,201, July 17.
Holland, Harry, Minneapolis, Minn. Envelope type record calendar. 2,560,766, July 17.
Holland, Kenneth A., Sr., Kansas City, Mo. Bath support for babies. 2,560,575, July 17.
Holland, Thomas E.: *See*—
Kyle, Claude W., and Holland.
Hollis, Edward W., Evanston, assignor to Coach & Car Equipment Corporation, Chicago, Ill. Arm cap release for reclining backs of coach seats. 2,560,796, July 17.
Holt, William E., Oakland, Calif. Floor maintenance machine. 2,561,279, July 17.
Homann, Clifford, Humboldt Township, Coles County, Ill. Insulator support. 2,561,311, July 17.
Homer, Horace H.: *See*—
Chun, Herbert H., and Homer.
Homer, Horace H., Arlington, assignor to Sylvania Electric Products Inc., Salem, Mass. Electric gaseous discharge device electrode. 2,560,953, July 17.
Hood, Ralph S., Marblehead Neck, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Making pellets. 2,561,055, July 17.
Hoogendam, Adriaan M. I., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Rotating atomizing cup burner. 2,560,866, July 17.
Hoover Company, The, assignee: *See*—
Coons, Curtis C.
Segesman, Louis E.
Hoppes, Carl, assignor to The Faultless Rubber Company, Ashland, Ohio. Stopper. 2,560,867, July 17.
Hornaday, William H. D., Los Angeles, Calif. Disposable cleaner device. 2,560,649, July 17.
Horvath, John F., assignor to Appliance Corporation of America, Milwaukee, Wis. Closure. 2,561,118, July 17.
Horvath, John F., assignor to Appliance Corporation of America, Milwaukee, Wis. Automatic laundry machine of the squeezer type. 2,561,119, July 17.
Horvath, John F., assignor to Appliance Corporation of America, Milwaukee, Wis. Laundry machine construction including a diaphragm extractor. 2,561,120, July 17.
Houdaille-Hershey Corporation, assignee: *See*—
Schatzman, George W.
Houdry Process Corporation, assignee: *See*—
Shabaker, Hubert A.
Houser, Philip H., and J. Peterson, Swampscott, Mass., assignors to General Electric Company. Constant current open circuit protective system. 2,561,202, July 17.
Houston Oil Field Material Company, Inc., assignee: *See*—
Campise, Nash O.
Howard, Edward G., Jr., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Bromate ion-sulfoxy compound catalyst system in aqueous polymerization process. 2,560,694, July 17.
Huber, John R., Warrington, assignor to Eastern Rotorcraft Corporation, Neshaminy, Pa. Apparatus for securing cargo in transit. 2,560,695, July 17.
Hubert, Louis, Paris, assignor to Societe d'Application des Brevets Cotal, Neuilly-sur-Seine, France. Electromagnetic clutch and brake. 2,560,868, July 17.
Huebner, William C., New York, N. Y. Photoprinting apparatus. 2,560,696, July 17.
Huff, Lyman C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Distillation of carbonaceous solids. 2,560,767, July 17.
Hugenholtz, Eduard H.: *See*—
Arends, Jacobus L., and Hugenholtz.
Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement comprising an oscillator and a reactance tube. 2,561,056, July 17.
Hughes, Everett C.: *See*—
Bartleson, John D., and Hughes.
Hulick, Alvin F., Macungie, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y. Automatic shifting mechanism for hydraulic-mechanism transmissions. 2,560,870, July 17.
Hull Merchants Amalgamated Box Company Limited, assignee: *See*—
Saunders, Cyril W.
Humphreys, Marion W., Euclid, Ohio. Jack. 2,560,797, July 17.
Huttig Sash & Door Co., assignee: *See*—
Trammell, Earl M., Sr.
Hygroequipments Limited, assignee: *See*—
Dickinson, Richard H.
Illinois Tool Works, assignee: *See*—
Knohl, Friedrich K.
Imperial Products, Inc., assignee: *See*—
Petersen, Simon J.
Interchemical Corporation, assignee: *See*—
Opp, Carl J., and Werner.
International Cementers, Inc., assignee: *See*—
Smith, Frank D.
International Standard Electric Corporation, assignee: *See*—
Den Hertog, Martinus.
International Standard Electric Corporation, assignee: *See*—
Moody, Norman F.
Inter-Seal Corporation, assignee: *See*—
Greene, Edgeworth.
Ivandick, Matthew G., assignor to Free Sewing Machine Co., Rockford, Ill. Upper tension device for sewing machines. 2,560,577, July 17.
Jack & Heintz Precision Industries, Inc., assignee: *See*—
Sears, Richard E.
Jackson, Alexander F., East Orange, N. J. Basin drain spillway. 2,560,934, July 17.
Janusch, John H., assignee: *See*—
Silva, Lawrence M.
Jasper Wood Crafters, Inc., assignee: *See*—
Thyen, Herbert E.
Jensen, Otto M., assignor to Peerless Machine Company, Racine, Wis. Chuck. 2,560,798, July 17.
Jentsch, Edward, Clifton, N. J. Yarn carrier. 2,560,955, July 17.
Joffe, Morris, Brooklyn, N. Y. Corn popping device. 2,561,203, July 17.
Johnson, George C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil compositions containing polymers of thiophene. 2,560,956, July 17.
Johnson, George H., and R. C. Higgins, assignors, by mesne assignments, to Higgins, Inc., New Orleans, La. Mixing cement composition. 2,560,871, July 17.
Johnson, James H., Auburn, Calif. Knockdown shelf structure. 2,560,957, July 17.
Johnson, Leon D., Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Pressure gauge. 2,561,204, July 17.
Johnson, Lloyd E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Fuel injection mechanism. 2,560,799, July 17.
Johnson, Malcolm S., and G. F. Oakley, assignors to Central Railway Supply Company, Chicago, Ill. Pipe anchor. 2,561,121, July 17.
Johnston, Samuel A.: *See*—
Wickham, Parker B., and Johnston.
Jones, Alice E., Tulsa, Okla. Card sustaining book leaf. 2,560,725, July 17.
Jones, Ethel C., Chicago, Ill. Refreshment plate. 2,561,022, July 17.
Jones, Frank D., and W. E. Slavens, Des Moines, and D. L. Woolsoncroft, Ankeny, assignors to Deere Manufacturing Co., Dubuque, Iowa. Controlled caster wheel for agricultural implements. 2,560,726, July 17.
Jones, Giffin D., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Acetoacetic amides of β, γ-ethylenically unsaturated amines. 2,561,205, July 17.
Jonker, Johannes L. H., and A. J. W. M. van Overbeek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement comprising a cathode beam tube provided with means for deflecting the cathode beam. 2,561,057, July 17.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Proportional divider. 2,560,697, July 17.
Joy Manufacturing Company, assignee: *See*—
Bebinger, Charles N.
Joy, Joseph F.
Juergens, John, McHenry, Ill., assignor to Leterstone Sales Co. Livestock prod. 2,561,122, July 17.
Jutglar Parés, José, and S. S. Daroca, Barcelona, Spain. Knitting machine. 2,560,872, July 17.
Kalstein, John E.: *See*—
Zavales, Charles T., Euler, and Kalstein.
Kampf, Harry E., Manhasset, N. Y., assignor to Neptune Meter Company. Oscillating piston meter. 2,561,280, July 17.
Kane, Garold A., assignor to The Northern Pump Company, Minneapolis, Minn. Rotary pump and motor hydraulic transmission with automatic speed control means. 2,561,023, July 17.
Kaplan, Philip: *See*—
Henderson, Harold P., and Kaplan.
Kaserman, Hugh E.: *See*—
Giesler, Jean V., and Kaserman.
Kaspar, Rudolf, Long Island City, N. Y. Wood screen with lock joints. 2,561,206, July 17.
Kaufman, Samuel M., assignee: *See*—
Ziska, Adam.
Keckley, Harold M., Dayton, assignor to W. O. Ballard, Toledo, Ohio. Foot-operated switch. 2,560,873, July 17.
Keene, Archibald T., deceased, Southgate, Calif.; E. L. Keene, administratrix of said A. T. Keene. Waste or garbage disposal apparatus. 2,560,578, July 17.
Keene, Enid L., administratrix: *See*—
Keene, Archibald T.
Keiser, John, Windsor, Colo. Glaze breaking tool for internal-combustion engines. 2,560,727, July 17.
Kellner, Lester E., Merrill, Wis. Stone picker. 2,561,207, July 17.

Kellogg, M. W., Company, The, assignee: *See*—
Dickinson, John T.
Lobo, Walter E.
Kelso, Frank, Fort William, Ontario, Canada. Centrifugal air cleaner. 2,560,874, July 17.
Keystone Development Corporation, assignee: *See*—
Wolf, Alexander.
Kilgore, Vaughn L., assignor to The Rudy Furnace Company, Dowagiac, Mich. Water heater. 2,560,768, July 17.
King, Lawrence S., assignor to King-Yates, Oklahoma City, Okla. Resilient drive coupling. 2,560,958, July 17.
King-Yates, assignee: *See*—
King, Lawrence S.
Kingsbury Cotton Oil Co., assignee: *See*—
Peterson, Clarence J.
Kipnis, Frank, Morris Plains, and J. Ornfelt, Morristown, N. J., assignors, by mesne assignments, to American Home Foods, Inc., New York, N. Y. Hemimercaptals. 2,560,531, July 17.
Kirby Chemical Company, Inc., assignee: *See*—
Stephenson, Raymond W.
Kirk, William, Jr., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiocarbamic acid derivatives of alkylenebis (cyclohexyl amine). 2,561,208, July 17.
Kirsch Company, assignee: *See*—
Ford, Ledger D., and Stutz.
Kittleson, Allen R., Cranford, and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Hydrogenated dicyclopentadiene insecticide. 2,561,209, July 17.
Klein, Gustav, Melrose Park, assignor to Caloric Stove Corporation, Philadelphia, Pa. Cooking stove. 2,560,959, July 17.
Klumb, George H., assignor to Culligan Zeolite Company, Northbrook, Ill. Cathodic protection for water softeners and filters. 2,560,960, July 17.
Knight Leather Products, Inc., assignee: *See*—
Arnold, Berel A., and Renz.
Knochel, William J.: *See*—
Leuzarder, John B., Ankjer, and Knochel.
Knohl, Friedrich K., assignor to Illinois Tool Works, Chicago, Ill. Fastener. 2,560,961, July 17.
Knott, Charles W., Santa Barbara, Calif. Fish catcher. 2,560,875, July 17.
Knox, William G., and G. L. Deniston, Dayton, Ohio, assignors, by mesne assignments, to H. M. and L. M. Hempstead, Mobile, Ala. Purifying rosin. 2,560,876, July 17.
Knudsen, George P., assignor to Highway Trailer Company, Edgerton, Wis. Tractor-trailer safety lock and brake mechanism. 2,560,769, July 17.
Koch, Herbert W., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical circuit breaker. 2,560,800, July 17.
Koch, Winfield R., Moorestown, N. J., assignor to Radio Corporation of America. Frequency modulation transformer loading circuit. 2,561,058, July 17.
Kock, Winston E., Basking Ridge, and R. L. Wallace, Jr., Plainfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor amplifier. 2,560,579, July 17.
Koehler, Glenn, Madison, Wis. Induction motor speed control. 2,560,698, July 17.
Kohagen, Charles F.: *See*—
Volenec, Emil, and Kohagen.
Koh-I-Noor Pencil Factory L. & C. Hardtmuth, assignee: *See*—
Votruba, Vojtech.
Kohlsdorf, Max, Woodhaven, N. Y. Form for examining and finishing stockings. 2,561,210, July 17.
Kopper, Edward, Winnetka, and W. H. Radeke, Blue Island, assignors to Peerless Equipment Company, Chicago, Ill. Battery cell indicating device. 2,560,962, July 17.
Koppers Company, Inc., assignee: *See*—
Powers, Robert E., and Mitchell.
Kornegay, Chester N., Fayetteville, N. C. Rocking toy. 2,560,963, July 17.
Kroehler Mfg. Co., assignee: *See*—
Gerber, George L.
Kronstein, Max, New York, N. Y. Modifying, solidifying, and insolubilizing asphalts. 2,560,650, July 17.
Kuhlman, Henry J., assignor to Kuhlman Manufacturing Company, Waterloo, Iowa. Endless chain gatherer for corn pickers. 2,560,801, July 17.
Kuhlman Manufacturing Company, assignee: *See*—
Kuhlman, Henry J.
Kuipers, George A.: *See*—
Hickman, Kenneth C. D., and Kuipers.
Kurshan, Jerome, Princeton, N. J., assignor to Radio Corporation of America. Multicontact semiconductor devices. 2,561,123, July 17.
Kurtzon, George B., Chicago, Ill., assignor to Garden City Plating & Manufacturing Co. Telescoping socket for fluorescent light tubes. 2,560,877, July 17.
Kutzler, Robert J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heat motor follow-up system. 2,560,651, July 17.
Kyle, Claude W., and T. E. Holland, Nokomis, Fla. Portable stage. 2,560,878, July 17.
Lacker, Robert F., Hamilton, Ohio. Cigarette extinguisher. 2,561,124, July 17.
Lacks, George, Larchmont, N. Y. Knitting girdles. 2,560,580, July 17.
Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Reaction of allyl ethers with aldehydes to produce ketones. 2,560,770, July 17.
Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Zero corrector for electrical instruments in hermetically sealed casings. 2,560,879, July 17.
Lambert, Robert R., assignor to Air-Factors, Inc., Los Angeles, Calif. Laminar counterflow grille. 2,560,802, July 17.
Lamont, Lewis H., Chicago, Ill. Protective circuit for gaseous conduction tubing. 2,560,771, July 17.
Lancaster, Arthur W., assignor to E. Long Limited, Orillia, Ontario, Canada. Safety device for mine cages and the like. 2,561,060, July 17.
Landauer, Fred, Rockville Centre, N. Y. Lamp for therapeutic treatments. 2,560,652, July 17.
Landells, Joseph H., assignor of one-half to E. M. Eichenbaum, San Francisco, Calif. Radio program selection system. 2,560,803, July 17.
Landis Machine Company, assignee: *See*—
Dunford, Ernest.
Lang, Harry A. and R. M. Graves, Evansville, Ind. Cutting and flanging attachment. 2,560,804, July 17.
Lang, Harry A. and R. M. Graves, Evansville, Ind. Cutting and flanging attachment. 2,560,805, July 17.
Langdon, Howard H.: *See*—
Coghill, James T., and Langdon.
Langston, Samuel M., Co., assignee: *See*—
Cleaver, William H.
Langston, Samuel M., Co., assignee: *See*—
Sieg, Karl.
Laporte, Marie K., Arlington, Va. Lighting attachment for telephones. 2,560,653, July 17.
Laszlo, Margit F., assignor to Cole of California, Inc., Los Angeles, Calif. Swimming trunks. 2,561,312, July 17.
Lauder, Wallace A., West Nyack, assignor to The W. L. Maxson Corporation, New York, N. Y. Sequence actuator for switches. 2,560,964, July 17.
Lavin, Edward: *See*—
Crozier, Robert N., Lavin, and Marinaro.
Lawrence, A. C., Leather Company, assignee: *See*—
Griffin, Roger L., and Moore.
Lawrence, Charles A., Saugus, Mass. Fishhook disgorger. 2,561,281, July 17.
Leary, Robert F.: *See*—
Wilson, Howard L., Leary, and Nelson.
Le Blanc, Arthur H., Springfield, Mass. Shade cover. 2,561,024, July 17.
Lee Foundation for Nutritional Research, assignee: *See*—
Lee, Royal.
Lee, Harold J., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Electroplating copper clad stainless steel cooking vessels. 2,560,966, July 17.
Lee, Royal, Elm Grove, assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis. Wave energy apparatus. 2,560,728, July 17.
Le Febvre, Alfred L., Windsor, assignor to The Fuller Brush Company, Hartford, Conn. Brush of the push broom type. 2,561,025, July 17.
Le Febvre, Alfred L., Windsor, assignor to The Fuller Brush Company, Hartford, Conn. Brush of the push broom type. 2,561,026, July 17.
Leffler, Nils G., Sundsvall, Sweden. Shielding shoe for drums and similar filters. 2,560,581, July 17.
Leffler, Nils G., Sundsvall, Sweden. Shielding shoe for filters. 2,561,282, July 17.
Leibowitz, Joseph, Brooklyn, N. Y. Cooking device. 2,561,125, July 17.
Leonard Refineries, Inc., assignee: *See*—
Carnell, Paul H.
Stedman, Russell F.
Leslie, Arthur Y., Detroit, Mich. Fish holding implement. 2,561,283, July 17.
Leterstone Sales Co., assignee: *See*—
Juergens, John.
Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Automotive dump wagon. 2,561,211, July 17.
Leuzarder, John B., Verona, J. J. Aakjer, Roselle, and W. J. Knochel, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Glass-to-metal seal and making the seal. 2,561,061, July 17.
Levy, Maurice M., Earls Court, assignor to The General Electric Company, Limited, London, England. Multichannel pulse signaling system. 2,560,772, July 17.
Lewis, Davis E., Arcola, La. Disk hub and bearing assembly. 2,560,965, July 17.
Lewis, Peter B., Aberdeen, assignor to Robbins Cloth Mills, Inc., Robbins, N. C. Slub catcher. 2,561,126, July 17.
Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave hybrid branching systems. 2,561,212, July 17.

Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Echo suppression in transmission lines. 2,560,806, July 17.

Lewyt Corporation, assignee: *See*—
Meyerhoefer, Carl S.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Ryan, Joseph D.

Lichty, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Chlorination of synthetic rubber. 2,560,869, July 17.

Liesch, Le Roy W., assignor to Velsicol Corporation, Chicago, Ill. Variable frequency vibrating device. 2,561,027, July 17.

Limber, Nicholas J., Rockville Centre, assignor to Bubble Gun, Inc., New York, N. Y. Bubble gun. 2,560,582, July 17.

Limpert, Alexander S. and R. J., Bay Shore, N. Y. Secondary heat exchanger in refrigeration system. 2,561,305, July 17.

Limpert, Robin J.: *See*—
Limpert, Alexander S. and R. J.

Ling, Walter R., Birmingham, Ala. Pressure casting apparatus. 2,561,062, July 17.

Lobo, Walter E., Westfield, assignor to The M. W. Kellogg Co., Jersey City, N. J. Explosive pulverization. 2,560,807, July 17.

Lockwood, Harry A., Westport, assignor to Clark Metal Products, Inc., Fairfield, Conn. Drinking glass coaster. 2,561,127, July 17.

Lohutko, Floryan, Detroit, Mich., assignor to The Thompson Grinder Company, Springfield, Ohio. Device for dressing grinding wheels. 2,560,654, July 17.

Lohutko, Floryan, Detroit, Mich., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for grinding gears and gear cutters. 2,560,967, July 17.

Long, E., Limited, assignee: *See*—
Lancaster, Arthur W.

Long, Loren M., assignor to Parke, Davis & Company, Detroit, Mich. Obtaining a 5-phenyl-5-lower alkyl hydantoin. 2,561,284, July 17.

Looney, Jim E., Tulsa, Okla. Valve. 2,561,028, July 17.

Lovell Chemical Company, assignee: *See*—
Lovell, Stanley P.

Lovell, Stanley P., Newtonville, assignor to Lovell Chemical Company, Watertown, Mass. Synthetic wax of the Carnauba type. 2,560,773, July 17.

Lundqvist, Oskar Harald, Stockholm, Sweden. Suspension frame for shelves. 2,560,880, July 17.

Lupton, Austin G., Windsor, Ontario, Canada. Cribbage scoreboard. 2,560,583, July 17.

Luttenauer, Carlos, Mulhouse, France. Driving and adjusting means for printing rollers in web printing machines. 2,560,774, July 17.

Lynn, Mark D., and R. D. Burkett, Columbia, Tenn. Harvester for tobacco. 2,560,729, July 17.

Maccallum, James C., St. Louis, Mo. Germicidal hair drier or the like. 2,560,808, July 17.

MacDonald, Robert N., New Castle, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. N-carboanhydrides. 2,560,584, July 17.

Mack Manufacturing Corporation, assignee: *See*—
Hulick, Alvin F.

MacMin, Albert T., Philadelphia, and N. A. Malesky, Phoenixville, Pa., and M. F. Skaggs, Nashville, Tenn., assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa. Mending knitted fabrics formed of thermoplastic thread. 2,560,655, July 17.

MacSorley, Olin L., Colingswood, N. J., assignor to Radio Corporation of America. Variable frequency counter. 2,560,968, July 17.

Magerlein, Barney J.: *See*—
Weisblat, David I., and Magerlein.

Magnetic Equipment, Inc., assignee: *See*—
Hare, Donald G. C.

Magnus Research, Inc., assignee: *See*—
Ens, Emil J.

Mahan, John E.: *See*—
Schulze, Walter A., and Mahan.

Mahowald, Curtis J., Parshall, N. Dak., assignor to General Electric Company. Water level control means for automatic washing machines. 2,561,213, July 17.

Malesky, Nicholas A.: *See*—
McMain, Albert T., Malesky, and Skaggs.

Malinowski, Theodore P., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Unsaturated oil-soluble copolymers. 2,561,313, July 17.

Marinaro, Alfred T.: *See*—
Crozier, Robert N., Lavin, and Marinaro.

Marion Machine Company, assignee: *See*—
Westall, Thomas E.

Marquette Metal Products Company, The, assignee: *See*—
Burritt, Burnell O.
Sacchini, Columbus R.

Marshall, John E. L., Sandiacre, England. Construction of seats. 2,560,969, July 17.

Martin, Glenn L., Company, The, assignee: *See*—
White, Zebulon L., and Buchal.

Martin, Henry K., Ironwood, Mich., assignor to Reserve Mining Company, Babbit, Minn. Method and apparatus for separating materials. 2,560,809, July 17.

Martin, John, Trenton, N. J., assignor to Columbian Carbon Company, New York, N. Y. Production of gamma-ferric oxide hydrate and gamma-ferric oxide. 2,560,970, July 17.

Martin, John, Trenton, N. J., assignor to Columbian Carbon Company, New York, N. Y. Production of gamma-ferric oxide hydrate and gamma-ferric oxide. 2,560,971, July 17.

Martin, John B., San Francisco, Calif. Horizontal axis ball mill with peripheral screening and lifting bays. 2,560,972, July 17.

Martin, Walter N., and J. Y. Riedel, Bethlehem, Pa., assignors to Bethlehem Steel Company. Forming turbine rotors. 2,560,973, July 17.

Mascuch, Joseph J., assignee: *See*—
Nardone, Romeo M.

Mason, George S., Long Beach, Calif. Lock-guarding plug for keyholes. 2,561,029, July 17.

Massey-Harris Company, The, assignee: *See*—
Todd, Everett W.

Matson, William N., and H. A. Mayor, Fitchburg, Mass., assignors to General Electric Company. Combination balanced shutoff and throttling valve assembly. 2,561,214, July 17.

Maxson, W. L., Corporation, The, assignee: *See*—
Lauder, Wallace A.

May, Horace D., Clovis, N. Mex. Stripper type cotton harvester. 2,560,974, July 17.

Mayberry, Leonard A., Wheaton, Ill., assignor to The Hallicrafters Co. Superregenerative radio apparatus. 2,561,128, July 17.

Mayhew, Raymond L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Quick-drying writing inks. 2,560,881, July 17.

Mayor, Harry A.: *See*—
Matson, William N., and Mayor.

McBride, Robert D., Minneapolis, Minn. Safety box structure. 2,561,129, July 17.

McBurney, Dorman, Swarthmore, Pa., and R. E. Thomas, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive tape. 2,561,063, July 17.

McCarthy, Charles S., Birmingham, assignor to American Forging and Socket Company, Pontiac, Mich. Collapsible bassinet. 2,561,285, July 17.

McCauley, Myron D., Huntington Woods, Mich. Edging tool. 2,560,882, July 17.

McClellan, Cyril E., Baltimore, Md., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Wave guide coupling. 2,561,130, July 17.

McDougal, Murray: *See*—
Graves, Eliot D., and McDougal.

McGraw Electric Company, assignee: *See*—
Van Ryan, Anthony, and Schindler.

McMillan, Brockway, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode-ray signal to voltage translating devices. 2,560,585, July 17.

Melnick, Samuel H., Chicago, Ill. Window ventilating lock. 2,560,656, July 17.

Mennesson, Marcel, assignor to Societe d'Applications et de Constructions pour Materiel Automobile (S. A. C. M. A.) S. A. R. L., Neuilly-sur-Seine, France. Device for measuring or checking a transverse dimension in a piece of indefinite length. 2,560,883, July 17.

Merchant, Charles W.: *See*—
Griffes, Milton W., and Merchant.

Mergenthaler Linotype Company, assignee: *See*—
Hilpman, John H.

Metropolitan-Vickers Electrical Company Limited, assignee: *See*—
Baumann, Karl.

Metzger, Hendrix W., Boonville, Ind. Drape supporting clamp. 2,560,975, July 17.

Meyer, Walter R., Hamden, assignor to Enthone, Inc., New Haven, Conn. Composition for and process of removing metallic coatings. 2,561,065, July 17.

Meyerhoefer, Carl S., assignor to Lewyt Corporation, Brooklyn, N. Y. Spraying device. 2,560,730, July 17.

Michaels, Ernest E., Birmingham, Ala., assignor to Chicago Bridge & Iron Company. Floating roof drain. 2,560,586, July 17.

Mighton, Charles J., assignor to E. I. du Point de Nemours & Company, Wilmington, Del. Laminated products and adhesive compositions of matter. 2,561,215, July 17.

Mikeska, Louis A.: *See*—
Kittleson, Allen R., and Mikeska.

Miller, John C.: *See*—
Barnhart, Philip S., and Miller.

Miller, Maurice E., Addison, N. Y. Stencil cutting device for photocomposing apparatus. 2,561,216, July 17.

Miller, Ralph L.: *See*—
Ford, Charles J., and Miller.

Miller, Robert E., U. S. Navy. Range and direction finder. 2,560,587, July 17.

Miller, Walter H., Decatur, Ga. Hollow and channel building block. 2,560,731, July 17.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Bowar, Earl C.
Kutzler, Robert J.
Mouzon, James C.
Newton, Alwin B.
Tilton, Donald G.

Miriani, Charles H.: *See*—
Carney, Samuel E., and Miriani.

Mitchell, John: *See*—
Powers, Robert E., and Mitchell.

Moersch, George W.: *See*—
Wittle, Eugene L., and Moersch.

Monogram Models, Inc., assignee: *See*—
Reder, Robert.

Monomelt Co., Inc., assignee: *See*—
Bickelhaupt, George B., Jr.

Monsanto Chemical Company, assignee: *See*—
Baer, Massimo.

Monsanto Chemical Company, assignee: *See*—
Hood, Ralph S.
Malinowski, Theodore P.
Richard, William R.

Montgomery, Alan Y., Brighton, Victoria, Australia. Device for applying emasculating rings. 2,561,286, July 17.

Moody, Norman F., Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Time base circuits for oscillographs. 2,561,066, July 17.

Moore Dry Dock Company, assignee: *See*—
Alciati, Charles J., and Andersen.

Moore, Norman Y.: *See*—
Griffin, Roger L., and Moore.

Moore, Richard C., Sr., Bowden, N. C. Fertilizer distributor with plural outlets closed by a common gate equipped with an additional closure for each outlet. 2,560,732, July 17.

Morris, Hy D., Baldwin, assignor to Universal Fountain Pen & Pencil Co., Inc., New York, N. Y. Ball-pointed pen. 2,560,810, July 17.

Morris, Hy D., Baldwin, assignor to Universal Fountain Pen & Pencil Co., Inc., New York, N. Y. Ball-pointed pen. 2,560,811, July 17.

Morris, Joseph W., Kermit, Tex. Fishing lure. 2,560,733, July 17.

Morse, Isidore, Bronx, N. Y. Soap holder. 2,560,699, July 17.

Morse, Lawrence H., Mentor, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Sheet feeding apparatus. 2,561,030, July 17.

Motorola, Inc., assignee: *See*—
Elliott, Harold F.

Mouzon, James C., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Measuring and controlling apparatus. 2,560,734, July 17.

Muir, James O., Arlington, N. J. Simulated flower with thermosatic action. 2,561,217, July 17.

Munday, John C., Cranford, and D. T. Rogers, Summit, N. J., assignors to Standard Oil Development Company. Mineral oil containing polymers of esters of fumaric acid. 2,560,588, July 17.

Mundel, Cornelius A., St. Louis, Mo. Pitch diameter gauge for external screw threads. 2,560,589, July 17.

Murphy, Robert H., West Hartford, assignor to The Wiremold Company, Hartford, Conn. Electrical wiring and connection unit. 2,561,031, July 17.

Nagle, Eduardo N.: *See*—
Pischek, Friedrich, Nagle, and Paz Anchorena.

Nagourney, Samuel M., Los Angeles, Calif. Camera stand for medical photography. 2,560,884, July 17.

Nardone, Romeo M., Teaneck, assignor to J. J. Mascuch, Millburn, N. J. Starter. 2,560,812, July 17.

National Chemical Products Limited, assignee: *See*—
Van Aardt, Johannes H. P.

National Lock Company, assignee: *See*—
Stone, Roy A.

National Standard Company, assignee: *See*—
Adler, Orville E.

Naucler, Johan O.: *See*—
Persson, Alef R., and Naucler.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
McClellan, Cyril E.
Walton, Cecil E.

Neely, William H.: *See*—
Blumensaadt, Svend G., Neely, and Page.

Neilsen, Peter C., Chicago, Ill. Rasp loading fixture. 2,560,735, July 17.

Nelson, Andrew J., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Pressure fluid servomotor. 2,560,813, July 17.

Nelson, Joseph F.: *See*—
Wilson, Howard L., Leary, and Nelson.

Neptune Meter Company, assignee: *See*—
Kampf, Harry E.

Ness, Arthur B., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive tape. 2,561,064, July 17.

Neufeld, Elizabeth, assignee: *See*—
Berkowitz, Harry.

Nevada Leasehold Corporation, assignee: *See*—
Hall, Jesse E.

Neville, Joseph F., Woodruff, Utah. Pry tool for removing tire casings from rims. 2,560,885, July 17.

Newton, Alwin B., Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Multiple stage air-conditioning system. 2,561,067, July 17.

New Wrinkle, Inc., assignee: *See*—
Flanagan, William F.

Nilson, James H., Wilmette, and V. C. Westberg, assignors to Sun Electric Corporation, Chicago, Ill. Magnetic rotor operated switch. 2,560,814, July 17.

Nogle, David A., Spokane, Wash. Dummy calf. 2,560,657, July 17.

Norden Laboratories Corporation, The, assignee: *See*—
Schaefer, Carl F.

Norman, Hollis W., and J. N. Rollings, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Wire stripping tool. 2,561,218, July 17.

Norman, Wayne A.: *See*—
Adams, Paul L., Norman, and Sitterly.

Northern Pump Company, The, assignee: *See*—
Kane, Garold A.

Northrop Aircraft, Inc., assignee: *See*—
Hagen, Glenn E.

Norton, Douglas G.: *See*—
Whetstone, Richard R., Smith, and Norton.

Nyman, Alexander, Dover, assignor to Alden Products Co., Brockton, Mass. Photoelectric modulator. 2,561,219, July 17.

Oakley, Gilbert F.: *See*—
Johnson, Malcolm S., and Oakley.

Ocker, John M., U. S. Navy, Arlington, Va. Instrument for ship zigzag operations. 2,560,590, July 17.

Odds, Charles, Hollywood, Calif. Headlight. 2,561,033, July 17.

Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Electric control system. 2,561,220, July 17.

Ohio Carbon Company, The, assignee: *See*—
Stoffel, Lester L.

Oliver, Bernard M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television receiver blanking circuit. 2,560,815, July 17.

Oliver Instrument Company, assignee: *See*—
Garrison, Clifford L.

Olsen, Ernest R., Muskegon, assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,560,775, July 17.

Olson, Oscar A., Ames, Iowa. Lettering instrument. 2,560,736, July 17.

Oltrogge, Bernard W., Billings, Mont. Foot ventilating shoe. 2,560,591, July 17.

Onfrey, George R., assignor to Phillips Foundry Company, Bakersfield, Calif. Hydraulic reversible disk plow. 2,561,032, July 17.

Opp, Carl J., and R. E. Werner, Cincinnati, Ohio, assignors to Interchemical Corporation, New York, N. Y. Alkyd resin. 2,560,592, July 17.

Ornfelt, John: *See*—
Kipnis, Frank, and Ornfelt.

Oropeza, Jose S., Los Angeles, Calif. Electrically operated power plant. 2,561,131, July 17.

Orr Felt & Blanket Company, The, assignee: *See*—
Petkewicz, William B.

Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,560,886, July 17.

Ortusi, Antoine J.: *See*—
Gutton, Henri, and Ortusi.

Osburn, Myron E., Enid, Okla. Baffle for drainage ports. 2,561,221, July 17.

Overall, E. C., assignee: *See*—
Spivey, Frank L.

Page, Norman A.: *See*—
Blumensaadt, Svend G., Neely, and Page.

Painter, Ernest O., Freedom, Pa. Inrush electric current control circuit recloser. 2,561,287, July 17.

Palmer, George J., Jr., Long Beach, Calif. Defectively labeled and nonlabeled can detecting and rejecting device. 2,560,737, July 17.

Panzer, William C., Chicago, Ill. Reel. 2,561,288, July 17.

Parcelle, Alvin J., assignee: *See*—
Boggs, Samuel D., Jr., and Handelman.

Pareto, Eugenio J., Barcelona, Spain. Process and projection means for obtaining stereoscopic drawings. 2,560,658, July 17.

Paris, Surville J., Wausau, Wis. Attachment for fly and casting rods. 2,561,289, July 17.

Parish Pressed Steel Co., assignee: *See*—
Cole, Nelson E.

Parke, Davis & Company, assignee: *See*—
Long, Loren M.
Schuler, Edward E.
Wittle, Eugene L., and Moersch.

Parker Appliance Company, The, assignee *See*—
Schmohl, Leland H.

Parker Industrial Products, Inc., assignee: *See*—
Hall, Jesse E.

Parsons, John B., Toledo, Ohio. Window regulator. 2,560,976, July 17.

Pask, Joseph A., and J. E. Schivaree, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Making a glass-to-metal seal. 2,560,593, July 17.

Passal, Frank, Detroit, Mich. assignor to United Chromium, Incorporated, New York, N. Y. Electrolytic method of stripping nickel, chromium, copper, zinc, cadmium, silver, tin, and lead electrodeposits from ferrous basis metals, and compositions for use therein. 2,561,222, July 17.

Patent and Licensing Corporation, The, assignee: *See*— Arcement, Louis M.

Paterson, John C. *See*— Waller, Coy W., and Paterson.

Patterson, Martin C., Jr., Joplin, Mo. Pipe-cutting machine. 2,560,738, July 17.

Patterson, Roy A., Vancouver, British Columbia, Canada. Hydraulic brake lining protector. 2,560,977, July 17.

Payant, Thomas J., Eastview, Ontario, Canada. Heating apparatus. 2,561290, July 17.

Payeur, Arsene H., Ann Arbor, Mich. Rotating pedestal table. 2,560,659, July 17.

Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Rotary seal with O ring. 2,561,132, July 17.

Paz Anchorena, Arturo Z. *See*— Pischek, Frierdich, Nagle, and Paz Anchorena.

Pearson, Gerald L., Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor translator and making it. 2,560,594, July 17.

Pease, Donald C., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of long-chain esters and nitriles. 2,561,068, July 17.

Peckham, Orville K., Sonora, Calif. Reciprocating sheet feeding device. 2,561,223, July 17.

Peerless Equipment Company, assignee: *See*— Kopper, Edward, and Radeke. Jensen, Otto M.

Pérez, Oscar J., Tampa, Fla. Ambulant toy with erratic steering means. 2,560,739, July 17.

Perfection Stove Company, assignee: *See*— Chadwick, Lee S. Dahlstrom, John A. Resek, Marc.

Persson, Alef R., Hedemora, and J. O. Naucler, Stocksund, Sweden. Aerating water. 2,560,978, July 17.

Pervier, Charles F., Port Washington, assignor to Harnischfeger Corporation, Milwaukee, Wis. Cylinder air port construction. 2,560,700, July 17.

Pessel, Leopold, Philadelphia, Pa., assignor to Radio Corporation of America. Chemical deposition of metallic films. 2,560,979, July 17.

Peters, Alfred W., Detroit, Mich. Pouring spout. 2560,776, July 17.

Peters, Herbert W., Milwaukee, Wis., assignor to Cory Corporation, Chicago, Ill. Water-heating apparatus and control circuit for use in a beverage brewing system. 2,561,134, July 17.

Peterson, Simon J., assignor to Imperial Products, Inc., Miami, Fla. Valve grinding machine. 2,560,816, July 17.

Peterson, Clarence J., assignor to Kingsburg Cotton Oil Co., Kingsburg, Calif. Baled hay feeding device. 2,561,069, July 17.

Peterson, Justin: *See*— Houser, Philip H., and Peterson.

Petkewicz, William B., Dayton, assignor to The Orr Felt & Blanket Company, Piqua, Ohio. Wear tester. 2,561,133, July 17.

Pettersen, Gunnar N., Halden, Norway. Earth-pot press. 2,560,980, July 17.

Pezza, Lazzaro: *See*— Trimarchi, Joseph, and Pezza.

Pfeifer, Charles, El Monte, Calif., assignor, by decree of court to N. H. Pfeifer, A. Stinson, S. Bateman, M. Vincent and I. Ross. Motor control system for deodorizing devices. 2,560,817, July 17.

Pfeifer, Nicholas H., assignee: *See*— Pfeifer, Charles F.

Pfizer, Chas., & Co., Inc., assignee: *See*— Regna, Peter P., and Solomons.

Philadelphia Quartz Company, assignee: *See*— Hazel, James F.

Philippi, Edward: *See*— Vosen, Roy and Philippi.

Philips Laboratories, Inc., assignee: *See*— Brockman, Frank G.

Phillips, Arlin F., assignee: *See*— Phillips, Emmitt J.

Phillips, Emmitt J., Los Angeles, Calif., assignor of one-third to A. F. Phillips, and one-third to L. J. Phillips. Combination vibrator and vacuum massage device. 2,561,034, July 17.

Phillips, Erwin, New York, assignor of two-fifths to A. Abraham, Jr., Oakwood, N. Y. Backing sheet for manifold copies. 2,560,701, July 17.

Phillips Foundry Company, assignee: *See*— Onfrey, George R.

Phillips, Lela J., assignee: *See*— Phillips, Emmitt J.

Phillips Petroleum Company, assignee: *See*— Hays, George E. Schulze, Walter A., and Mahan. Wagner, Cary R. Wagner, Cary R., Axe and Himel. Wagner, Cary R., and Ryan.

Phythian, Thomas E., Headingly, assignor to R. W. Crabtree & Sons Limited, Leeds, England. Sheet collating mechanism. 2,561,070, July 17.

Pick Manufacturing Company, assignee: *See*— Weasler, Anthony V.

Pierce, John R., Millburn, N. J. assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Visible indicator for radio object locators. 2,560,818, July 17.

Pillow, Tom E., Port Arthur, Tex. Edging and polishing machine. 2,560,740, July 17.

Pioneer Gen-E-Motor Corporation, assignee: *See*— Burrows, Milford D., and Boyce.

Piros, John J., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Nonleaking rotary seal. 2,560,660, July 17.

Pischek, Friedrich, E. N. Nagle, and A. Z. Pas Anchorena, Florida, Argentina; said Nagle assignor to said Pischek. Locking arrangement for screws. 2,561,224, July 17.

Plouffe, Lucien J., Cornwall, Vt. Trailer lime spreader. 2,560,981, July 17.

Pofferberger, Lloyd C., and C. M. Senter, Maxwell, Iowa. Animal handling tongs. 2,560,982.

Policastro, George A., Brooklyn, N. Y. Powered can opener. 2,560,983, July 17.

Polymerisable Products Limited, assignee: *See*— Bergmann, Ernst.

Poncar, John J., Chagrin Falls, Ohio. Key container. 2,560,595, July 17.

Poovey, Charles E., Charlotte, N. C. Kennel closure. 2,560,661, July 17.

Popeck, Stanley P.: *See*— Thompson, Thomas R., and Popeck.

Port, Frederick J., Chicago, J. R. Hall, Elmhurst, and C. L. Turner, assignors to Cribben and Sexton Company, Chicago, Ill. Burner cap structure. 2,560,984, July 17.

Powell, Frank A., Collingswood, N. J. Awning. 2,561,225, July 17.

Powell, Roger F., assignee: *See*— Van Aardt, Johannes H. P.

Power Jets (Research and Development) Limited, assignee: *See*— Whittle, Frank.

Powers, John M., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Polymerizing olefins at subatmospheric temperatures. 2,561,226, July 17.

Powers, Robert E., Pittsburgh, Pa., and J. Mitchell, Boston, Mass., assignors to Koppers Company, Inc., Pittsburgh, Pa. Preparation of thiourea. 2,560,596, July 17.

Prisk, Howard C., Westerville, Ohio. Holder for subcutaneous administration of medicaments. 2,561,071, July 17.

Propst, Charles L., assignee: *See*— Godefroid, William V.

Provost, Raoul L., Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y. Polyethylene polyamine activated organic peroxide catalyzed synthetic rubber emulsion polymerizations. 2,560,741, July 17.

Quaker Oats Company, The, assignee: *See*— Turner, Charles W.

Quayle, George F., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lift truck. 2,560,819, July 17.

Radeke, Waldemar H.: *See*— Kopper, Edward, and Radeke.

Radio Corporation of America, assignee: *See*— Anderson, Earl I. Bedford, Alda V. Bedford, Alda V., and Ballard. Bliss, Warren H., and Grosdoff. Cooper, Victor J. Corrington, Murlan S. Giacoletto, Lawrence J. Good, Lowell H. Gossick, Ben R. Herold, Edward W. Koch, Winfield R. Kurshan, Jerome. MacSorley, Olin L. Pessel, Leopold. Solomon, Saul.

Randall, David I., Easton, Pa., and E. E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Anthraquinone dyestuffs for acetate rayon. 2,560,887, July 17.

Ranshaw, Charles E.: *See*— Bortle, William J., and Ranshaw.

Ranson, Richard R.: *See*— Hodgson, Howard E., and Ranson.

Raytheon Manufacturing Company, assignee: *See*— Dawson, John W., and Faulk. Stiefel, Karl J.

Reaves, Robert S., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor mounted cultivator. 2,560,702, July 17.

Recker, Kenneth H., Winter Haven, Fla. Wax-coating beans and carrots. 2,560,820, July 17.

Reconstruction Finance Corporation, assignee: *See*— McMain, Albert T., Malesky, and Skaggs.

Reder, Robert, assignor to Monogram Models, Inc., Chicago, Ill. Wing construction for model airplanes. 2,560,742, July 17.

Reed, Robert D., assignor to J. S. Zink, Tulsa, Okla. Gas burner with air and flame baffles. 2,560,888, July 17.

Reed, Wade R., Tulsa, Okla. Triple capacity plunger pump. 2,561,227, July 17.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Sheet-metal oven gas burner. 2,560,777, July 17.

Regna, Peter P., Woodcliff, N. J., and I. A. Solomons, III, Jackson Heights, assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Recovery of streptomycin from orange II salt. 2,560,889, July 17.

Regna, Peter P., Woodcliff, N. J., and I. A. Solomons, III, Jackson Heights, assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Recovery of streptomycin from naphthol blue-black salt. 2,560,890, July 17.

Regna, Peter P., West New York, N. J., and I. A. Solomons, Garden City, assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Amine salt precipitants for antibiotic bases. 2,560,891, July 17.

Reich, Gustave T., Philadelphia, Pa. Treating waste citrus liquors and the like. 2,561,072, July 17.

Reischl, Karl E., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Dumping control for scrapers. 2,560,597, July 17.

Reliable Machine Works, Inc., assignee: *See*— Friedman, Samuel.

Remington Rand Inc., assignee: *See*— Streng, Jan. Wolters, Carl F.

Renfrew, Edgar E.: *See*— Randall, David I., and Renfrew.

Renz, Emil K.: *See*— Arnold, Berel A., and Renz.

Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Mechanically driven impeller type draft inducer for combustion apparatus. 2,561,135, July 17.

Reserve Mining Company, assignee: *See*— Martin, Henry K.

Rethorst, Scott C., Washington, D. C. Roadable aircraft. 2,561,291, July 17.

Revere Copper and Brass Incorporated, assignee: *See*— Lee, Harold J.

Rhines, Chester E., Glen Rock, N. J., assignor to United States Rubber Company, New York, N. Y. Preservation of latex. 2,560,743, July 17.

Rhines, Chester E., Glen Rock, N. J., assignor to United States Rubber Company, New York, N. Y. Crude purified Hevea rubber. 2,560,744, July 17.

Richard, William R., Ann Arbor, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl formal resin. 2,561,314, July 17.

Richard, William R., Ann Arbor, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized polyvinyl formal resin. 2,561,315, July 17.

Richardson, Arthur B. F. G., E. Tunnicliff, and I. K. Fisher, Leigh, assignors to British Insulated Callender's Cables Limited, London, England. Extrusion apparatus for covering cores. 2,560,778, July 17.

Richardson, Martin A., assignor to J. I. Case Company Racine, Wis. Overload release coupling. 2,561,136, July 17.

Richey, Albert E., Colorado Springs, Colo. Light reflecting cane. 2,561,228, July 17.

Richter, Frederick P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil compositions containing petroleum wax carboxylic acids. 2,560,986, July 17.

Rideout, John G., Chagrin Falls, assignor to Gendron Wheel Company, Perrysburg, Ohio. Lounge chair. 2,560,985, July 17.

Rider, Harry N., assignor to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Sprinkler system and electrical control therefor. 2,561,229, July 17.

Riedel, John Y.: *See*— Martin, Walter N., and Riedel.

Rieger Manufacturing Company, The, assignee: *See*— Rieger, Nelson M.

Rieger, Nelson M., assignor to The Rieger Manufacturing Company, Miamisburg, Ohio. Lawn sprinkler. 2,560,662, July 17.

Rieman, Hylma H., and C. L. Gray, Muncie, Ind. Vertically adjustable drop-leaf table. 2,560,821, July 17.

Rinia, Herre, and F. L. van Weenen, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Hot gas motor with concentrically disposed heat exchange components. 2,560,987, July 17.

Rinis, Theodore, Washington, D. C. Parka. 2,560,598, July 17.

Robbins, Azor D., Hempstead, N. Y. Driving differential. 2,560,779, July 17.

Robbins Cloth Mills, Inc., assignee: *See*— Lewis, Peter B.

Roberts, Stiles M., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Manufacture of C-nitrosoarylamines. 2,560,892, July 17.

Roberts, Stiles M., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Manufacture of C-nitrosoarylamines. 2,560,893, July 17.

Roberts, Stiles M., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Manufacture of C-nitrosoarylamines. 2,560,894, July 17.

Robertshaw-Fulton Controls Company, assignee: *See*— Giesler, Jean V., and Kaserman.

Robichaud, Edmund J., Middletown, Conn. Machine tool. 2,561,035, July 17.

Robinson, John S.: *See*— Boersma, Barney, and Robinson.

Robinson, Walton S., Westfield, N. J. Making seamless pipe elbows. 2,560,822, July 17.

Rodder, William, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Carriage for flying hot saws. 2,561,292, July 17.

Rodenburg, Nicholas: *See*— Schouten, Jan F., and Rodenburg.

Rogers, Alden, New Haven, Conn., assignor to A. F. Wheeler, Malden, Mass. Reducing and cutoff valve for heating systems. 2,561,316, July 17.

Rogers, Dilworth T.: *See*— Munday, John C., and Rogers.

Rohr, Fred, Alexis, Ill. Swinging axle assembly for trailers. 2,561,230, July 17.

Rollings, James N.: *See*— Norman, Hollis W., and Rollings.

Rolls-Royce Limited, assignee: *See*— Evernden, Harold I. F., and Hardy.

Root, A. I., Company, The, assignee: *See*— Smith, Edgar F.

Roscoe, Merrill W., Moline, Ill., and R. L. Beldin, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Guide rod for small grain elevators. 2,560,823, July 17.

Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Mechanism for forming indentations in moving rods of plastic material. 2,561,231, July 17.

Rose Brothers (Gainsborough) Limited, assignee: *See*— Rose, Alfred G.

Rosenblum, Benjamin: *See*— Whitehead, Stanley, and Rosenblum.

Ross, Charles, Tulsa, Okla. Preserving eggs. 2,561,137, July 17.

Ross, Imogene, assignee: *See*— Pfeifer, Charles F.

Ross, Orrin E., Massapequa, N. Y. Electrically operated lawn mower. 2,561,293, July 17.

Rossignol, Abel, Voiron, France. Ski and its manufacture. 2,560,663, July 17.

Roston, Benjamin: *See*— Whitehead, Stanley, and Rosenblum.

Roth, Louis, Baltimore, Md. Quick-change whistle combination. 2,560,895, July 17.

Rubenstein, Harry J., Kansas City, Mo. Display rack pocket. 2,560,896, July 17.

Ruda, Gustaf W., assignor to Aktiebolaget Separator, Stockholm, Sweden. Butyrometer centrifuge. 2,560,988, July 17.

Rudel, Harry W., Roselle Park, and J. I. Wasson, Union, N. J., assignors to Standard Oil Development Company. Dialkylalkenylsuccinates. 2,561,232, July 17.

Rudy Furnace Company, The, assignee: *See*— Kilgore, Vaughn L.

Ruge, Arthur C., Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation. Measuring circuit for condition responsive impedances. 2,561,317, July 17.

Ruge, Arthur C., Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation. Ring type force measuring dynamometer. 2,561,318, July 17.

Runge, Frank E.: *See*— Stone, Robert L., and Runge.

Runyan, Raymond A., South Glastonbury, Conn., assignor to Askania Regulator Company, Chicago, Ill. Two-phase induction motor control. 2,561,319, July 17.

Ryan, George R., Waukegan, and F. H. Young, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Hypodermic syringe. 2,561,233, July 17.

Ryan, Joseph D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Bending mold and prolonging the life thereof. 2,560,599, July 17.

Ryan, Martin A.: *See*— Wagner, Cary R., and Ryan.

Sacchini, Columbus R., Willoughby, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Surface wiping mechanism. 2,560,780, July 17.

Sackner Products, Inc., assignee: *See*— Boersma, Barney, and Robinson.

Salstrom, Arthur W., Mount Vernon, N. Y. Paint spraying device. 2,560,745, July 17.

Sam, Sam W.: *See*— Victor, Samuel.

Sammy, John L., Gary, Ind. Custard dispenser. 2,560,664, July 17.

Sanders, Herbert L.: *See*— Ayo, Jackson J., Gajewski, and Sanders.

Sasgen Derrick Co., assignee: *See*— Sasgen, Matthias F.

Sasgen, Matthias F., assignor to Sasgen Derrick Co., Chicago, Ill. Winch, hoist, and the like. 2,561,138, July 17.

Sasgen, Matthias F., River Forest, assignor to Sasgen Derrick Co., Chicago, Ill. Winch, hoist, and the like. 2,561,139, July 17.

Saulsbury, Laforest S., assignee: *See*—
Freeman, Robert W.

Saunders, Cyril W., assignor of one-half to Hull Merchants Amalgamated Box Company Limited, Dairycoates, Hull, England. Metal-lined crate. 2,560,989, July 17.

Saunders, Norman B., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Air Force. Circuit for distortion measurement. 2,561,234, July 17.

Sauvage, Léon F.: *See*—
Brun, Max A., and Sauvage.

Scarkino, Carl, Kenner, La. Baby mouth washer. 2,560,746, July 17.

Schaaf, Cecil F., Flint, Mich. Casting concrete shingles 2,560,781, July 17.

Schaefer, Carl F., Port Washington, assignor to The Norden Laboratories Corporation, New York, N. Y. Variable resistor. 2,561,140, July 17.

Schaefer, Edward E., Oak Park, assignor to T. Efron, Chicago, Ill. Venetian blind structure. 2,561,141, July 17.

Schaefer, Frederic C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing a triaryl cyanurate. 2,560,824, July 17.

Schaefer, Frederic C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Autocondensation products of an aryloxy aminotriazine. 2,560,825, July 17.

Schafer, Chester I., Dayton, Ohio. Pulse signal decoder for proportional control. 2,560,600, July 17.

Schatsman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender and fender shield construction. 2,560,601, July 17.

Schlegal, Herbert A., Seattle, Wash. Sash construction. 2,561,142, July 17.

Schindler, Carl: *See*—
Van Ryan, Anthony, and Schindler.

Schiveree, John E.: *See*—
Pask, Joseph A., and Schiveree.

Schlueter, Robert H., assignor to Vulcan Corporation, Cincinnati, Ohio. Making last blocks. 2,560,992, July 17.

Schmitter, Walter P., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Power transmission. 2,560,990, July 17.

Schmits, George J., Kansas City, Mo. Fruit crate and liner. 2,561,143, July 17.

Schmohl, Leland H., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve operating means. 2,560,897, July 17.

Schmutzler, Eugene F., Beaver Dam, Wis., assignor to John Deere Van Brunt Company. Cam released clutch for grain drills. 2,561,235, July 17.

Schnell, Ernst E., Horicon, Wis., assignor to John Deere Van Brunt Company. Grain drill. 2,561,236, July 17.

Scholz, Frank, Wayland, Mass. X-ray apparatus. 2,560,782, July 17.

Schouten, Jan F., and N. Rodenburg, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Counting relay system. 2,561,073, July 17.

Schuhmann, Richard L., assignor to American Duplex Company, Louisville, Ky. Coffee grinder feed and control device. 2,560,826, July 17.

Schuler, Edward E., Grosse Pointe Park, assignor to Parke, Davis & Company, Detroit, Mich. Closure for multiple dose vials. 2,561,294, July 17.

Schulse, Walter A. and J. E. Mahan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Fuel composition. 2,560,602, July 17.

Schulze, Walter A. and J. E. Mahan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Fuel composition. 2,560,898, July 17.

Schuricht, Henry A., Maywood, Calif., assignor to Whizzer Motor Company, Inc., Pontiac, Mich. Variable-speed drive. 2,560,991, July 17.

Scott, Benjamin H., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Molding apparatus. 2,560,783, July 17.

Scovill Manufacturing Company, assignee: *See*—
Chapman, Romaine C., and Borowy.

Sears, Melville, Ridgefield Park, N. J. Portable combined waxing and polishing machine. 2,560,993, July 17.

Sears, Richard E., Cleveland Heights, assignor to Jack & Heints Precision Industries, Inc., Cleveland, Ohio. Generator cooling system. 2,560,784, July 17.

Seaton, Allan R., Juneau, Alaska. Fish lure swivel. 2,561,144, July 17.

Sebel, Harry, London, England. Occupant propelled roundabout. 2,560,703, July 17.

Sebel, Harry, London, England. Combination wheel mounting and unidirectional rotation control means. 2,560,704, July 17.

Segesman, Louis E., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,560,827, July 17.

Selas Corporation of America, assignee: *See*—
Furczyk, Alfons A.
Hess, Frederic O.

Selby, Theodore R., Chicago, Ill., assignor to Wilson & Co. Inc. Apparatus for cleaning animal intestines. 2,560,603, July 17.

Seng Company, The, assignee: *See*—
Elleman, Tom.

Senter, Clair M.: *See*—
Pofferberger, Lloyd C., and Senter.

Shabarker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Manipulation of fluent solids. 2,560,604, July 17.

Shafer, Arthur C., Cincinnati, Ohio. Fishing device. 2,561,237, July 17.

Shand, Edwin W., Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y. Process and apparatus for the catalytic conversion of hydrocarbons. 2,560,899, July 17.

Shaw, Roy A., San Bernardino, Calif. Material distributor. 2,561,145, July 17.

Shawinigan Resins Corporation, assignee: *See*—
Crozier, Robert N., Lavin, and Marinaro.

Shell Development Company, assignee: *See*—
Boissonou, Clifford J., and Yates.
Hannibal, Lester S., and Turner.
Hoogendam, Adriaan M. I.
Whetstone, Richard R., Smith, and Norton.

Shell, Paul V., Kansas City, Mo. Automatic baster. 2,560,605, July 17.

Sherrill, James W., Belmont, and L. G. Alexander, Steel Creek, assignors to Wix Accessories Corporation, Gastonia, N. C. Flashlight oil tester. 2,561,074, July 17.

Shive, John N., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photoresistive translating device. 2,560,606, July 17.

Shults, Rex M., Ventura, Calif. Lading device. 2,560,900, July 17.

Sidwell, Carroll V., Tulsa, Okla. Well drilling. 2,561,075, July 17.

Sieg, Karl, Philadelphia, Pa., assignor to Samuel M. Langston Co., Camden, N. J. Mill roll stand. 2,561,146, July 17.

Sievers, George, Oakland, Calif. Cross-wind landing gear for airplanes. 2,560,747, July 17.

Silva, Lawrence M., Berkeley, assignor of one-third to J. H. Janusch, and one-third to F. C. Snyder, Richmond, Calif. Automatic headlight dimming apparatus. 2,560,748, July 17.

Simplex Packaging Machinery, Inc., assignee: *See*—
Gaubert, Rene J.

Sinclair Refining Company, assignee: *See*—
Piros, John J.
Shand, Edwin W.

Sindreu Daroca, Salvador: *See*—
Jutglar Parés, José, and Sindreu Daroca.

Singer, David L., Brooklyn, N. Y. Spacing gauge for buttonholes. 2,560,705, July 17.

Singer Manufacturing Company, The, assignee: *See*—
Hale, Arthur N.

Sitterly, Charles K.: *See*—
Adams, Paul L., Norman, and Sitterly.

Skaggs, Mansfield F.: *See*—
McMain, Albert T., Malesky, and Skaggs.

Slavens, Wayne E.: *See*—
Jones, Frank D., Slavens, and Woolsoncroft.

Sleeper, George E., Jr., Berkeley, assignor to Color Television, Inc., San Francisco, Calif. Scanning system for motion picture films. 2,560,994, July 17.

Smit, Jacobus A., Cassel Dale, Springs, Transvaal, Union of South Africa. Emergency means for supplying fuel to internal-combustion engines. 2,561,238, July 17.

Smith, Curtis W.: *See*—
Whetstone, Richard R., Smith, and Norton.

Smith, Derek B.: *See*—
Greaves, Charles D., and Smith.

Smith, Edgar F., Springfield, assignor to The A. I. Root Company, Medina, Ohio. Comb foundation. 2,561,147, July 17.

Smith, Frank D., Whittier, assignor to International Cementers, Inc., Long Beach, Calif. Cementing plug. 2,560,901, July 17.

Smith, Samuel R., Portland, Oreg. Fluid pressure actuated multiple arm pressure clamp. 2,560,902, July 17.

Smith, Winthrope C., Westfield, N. J., assignor to Standard Oil Development Company. Plasticized rubbery copolymer of isobutylene and isoprene. 2,561,239, July 17.

Snow, Barton S., Batavia, Ill., assignor to T. W. Snow Construction Company. Sand dispenser. 2,561,148, July 17.

Snow, T. W., Construction Company, assignee: *See*—
Snow, Barton S.

Snyder, Floyd C., assignee: *See*—
Silva, Lawrence M.

Società Applicazioni Gomma Antivibranti, assignee: *See*—
Boschi, Antonio.

Societe d'Application des Brevets Cotal, assignee: *See*—
Hubert, Louis.

Societe d'Applications et de Constructions pour Materiel Automobile (S. A. C. M. A) S. A. R. L., assignee: *See*—
Mennesson, Marcel.

Societe Lorraine des Acieries de Rombas (Societe Anonyme), assignee: *See*—
Brun, Max A., and Sauvage.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Chapman, Harold D., and Denton.
Johnson, George C.
Richter, Frederick P.

Sodders, Noel S., Cleveland, Ohio. Thread-cutting sheet metal nut. 2,561,036, July 17.

Solomon, Saul, Collingswood, N. J., asignor to Radio Corporation of America. Frequency modulation detector circuits. 2,561,149, July 17.

Solomons, Isaiah A.: *See*—
Regna, Peter P., and Solomons.

Solomons, Isaiah A., III: *See*—
Regna, Peter P., and Solomons.

Soundscriber Corporation, The, assignee: *See*—
Stone, Robert L., and Runge.

Southern Welding & Machine Company, assignee: *See*—
Harmon, Robert R.

Spearman, Joseph E., East Detroit, Mich. Glass cleaner. 2,561,240, July 17.

Sperry Corporation, The, assignee: *See*—
Ayres, Waldemar A.
Barrow, Wilmer L.

Spetalnik, Mack, Brooklyn, assignor to Wolfe & Lang, Inc., New York, N. Y. Brassière. 2,560,706, July 17.

Spivey, Frank L., deceased, assignor of one-half to E. C. Overall, San Antonio, Tex.; H. F. Spivey, administratrix of said F. L. Spivey. Poultry and live stock feeder. 2,560,828, July 17.

Spivey, Hazel F., administratrix: *See*—
Spivey, Frank L.

Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Hydraulic motor system and cooling means for the pump thereof. 2,560,749, July 17.

Standard Oil Company, The, assignee: *See*—
Bartleson, John D.
Bartleson, John D., and Hughes.

Standard Oil Development Company, assignee: *See*—
Kittleson, Allen R., and Mikeska.
Munday, John C., and Rogers.
Powers, John M.
Rudel, Harry W., and Wasson.
Smith, Winthrope C.
Stokes, Samuel G.
Sweetser, Sumner B.
Wilson, Howard L., Leary, and Nelson.

Stanley, William T., Gates Mills, Ohio. Finishing method and apparatus. 2,561,037, July 17.

Stark, Henry M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sols. 2,560,707, July 17.

Stark, William N., Kirkland, Wash., assignor to Boeing Airplane Company. Door seal for pressurized aircraft. 2,560,665, July 17.

Stedman, Russell F., assignor to Leonard Refineries, Inc., Alma, Mich. Stabilizing catalytically cracked furnace distillates and compositions therefor. 2,560,633, July 17.

Steele, Floyd E., Yakima, Wash. Crystal controlled calibrator for self-pulsed radar. 2,560,607, July 17.

Stephenson, Raymond W., Pendleton, assignor to Kirby Chemical Company, Inc., Severn, N. C. Making tall oil. 2,561,150, July 17.

Stevens, Donald R., Wilkinsburg, and R. S. Bowman, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Producing 4-tertiary-butyl-3-methylphenol. 2,560,666, July 17.

Stevenson, Teresa, Summit, N. J. Piston ring. 2,560,667, July 17.

Stevenson, Teresa, Summit, N. J. Piston ring. 2,560,668, July 17.

Stewart, James N., assignor to The Bristol Company, Waterbury, Conn. Temperature responsive circuit selector. 2,560,829, July 17.

Stibbe, G., & Co. Limited, assignee: *See*—
Brown, Albert M.

Stiefel, Hedwig G., executrix: *See*—
Stiefel, Karl J.

Stiefel, Karl J., deceased; H. G. Stiefel, executrix, Boston, assignor to Raytheon Manufacturing Company, Newton, Mass. Waveguide dielectric heating apparatus. 2,560,903, July 17.

Stigter, Willem H.: *See*—
Van Weenen, Franciscus L., and Stigter.

Stiles, John W., New York, N. Y. Conveyer feeding apparatus. 2,560,995, July 17.

Stinson, Anne, assignee: *See*—
Pfeifer, Charles F.

Stoffel, Lester L., Lakewood, assignor to The Ohio Carbon Company, Cleveland, Ohio. Electrode and resistor assembly unit. 2,561,151, July 17.

Stokes, Samuel G., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Portable freight elevator. 2,561,242, July 17.

Stone, Reuben, Hawkins, Wis. Gauge for rip saws. 2,560,996, July 17.

Stone, Robert L., Guilford, and F. E. Runge, Branford, assignors to The Soundscriber Corporation, New Haven, Conn. Combined microphone and switch. 2,561,320, July 17.

Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Catch and frame insert. 2,561,295, July 17.

Stoner, Frank, Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Arrangement of load carrier and lifting mechanism for trucks. 2,560,608, July 17.

Stout, William H., Portland, Oreg. Self-draining irrigation line. 2,561,296, July 17.

Streng, Jan, Redding, Conn., assignor to Remington Rand Inc., New York, N. Y. Electric dry shaver. 2,561,241, July 17.

Stromberg-Carlson Company, assignee: *See*—
Trousdale, Robert B.

Stryker, Albert R., Lawrenceburg, Ind. Ditch digging machine with warning device. 2,561,152, July 17.

Stutz, Frederick L.: *See*—
Ford, Ledger D., and Stutz.

Sugimoto, Roy, Royal Oak, Mich., assignor to Ethyl Corporation, New York, N. Y. Diesel fuel. 2,560,904, July 17.

Sun Electric Corporation, assignee: *See*—
Nilson, James H., and Westberg.

Sutherland, Louis W., Jr.: *See*—
Buttery, Kenneth T., and Sutherland.

Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T., and Sutherland.

Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Comparison type densitometer and electronic measuring circuit therefor. 2,561,243, July 17.

Sweetser, Sumner B., Cranford, N. J., assignor to Standard Oil Development Company. Hydrogenation of oxides of carbon to produce high boiling alcohols and liquid hydrocarbons. 2,561,244, July 17.

Sylvania Electric Products Inc., assignee: *See*—
Chun, Herbert H., and Homer.
Homer, Horace H.

Symons, Percy L., Portland, Oreg., assignor to Albina Engine & Machine Works, Inc. Water-cooled generator spray nozzle. 2,561,038, July 17.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake head. 2,561,297, July 17.

Tassin, Maurice J., New Orleans, La. Electric door lock. 2,561,076, July 17.

Tate, Malcolm C., Stamford, Conn., assignor to Baldwin-Lima-Hamilton Corporation. Hydraulic weighing cell. 2,561,321, July 17.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble binary copolymers of allylic monoethers and poly-2-alkenyl esters. 2,561,153, July 17.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble ternary copolymers of styrene, allylic poly-2-alkenyl esters, and allylic monoethers. 2,561,154, July 17.

Teel, William R., Centrahoma, Okla., assignor of one-half to A. W. White, Colby, Kans. Fishing appliance. 2,560,905, July 17.

Tesla, Electrical and Radio Industry, assignee: *See*—
Carniol, Bohdan T.

Tey Manufacturing Corporation, assignee: *See*—
Hickman, Clarence J.

Thomas, Alfred W., Jr., Clarks Summit, and N. F. Gubitose, assignors to U. S. Textile Machine Company, Scranton, Pa. Magnetic bobbin holding means. 2,561,155, July 17.

Thomas, Loren E., and L. Bell, Port Huron, Mich. Dispenser for cigarettes and the like. 2,560,907, July 17.

Thomas, Raymond E.: *See*—
McBurney, Dorman, and Thomas.

Thompson, Ernest S., Tulare, Calif. Hitch. 2,560,908, July 17.

Thompson, Ernest S., Strathmore, Calif., assignor to himself and E. Thompson, as joint tenants. Rotary circular harrow. 2,560,909, July 17.

Thompson, Ethel, assignee: *See*—
Thompson, Ernest S.

Thompson, Floyd O., Sedro Woolley, Wash. Hospital bed patient bathtub chair. 2,560,997, July 17.

Thompson Grinder Company, The, assignee: *See*—
Lohutko, Floryan.
Wilson, John C., and Baldenhofer.

Thompson, Thomas R., and S. P. Popeck, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. 2-methyl-4-keto-3-substituted thiazolinium dye intermediates. 2,561,245, July 17.

Thomson, John, Edinburg, Scotland. Steam trap. 2,561,246, July 17.

Thonen, Robert L., St. Petersburg, Fla. Drop former bottle cap. 2,560,998, July 17.

Thorkildsen, Lars O., Sandness, Norway. Bicycle fork. 2,561,156, July 17.

Throm, Albert J., Jeannette, Pa. Method and apparatus for producing glass articles. 2,561,247, July 17.

Throm, Albert J., Jeannette, Pa. Apparatus for producing glass articles. 2,561,248, July 17.

Thyen, Herbert E., assignor to Jasper Wood Crafters, Inc., Jasper, Ind. Apparatus for bonding heads into barrels. 2,560,906, July 17.

Tilton, Donald G., St. Petersburg, Fla., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Radiation pyrometer. 2,561,077, July 17.

Timken-Detroit Axle Company, The, assignee: *See*—
Buckendale, Lawrence R.

Titus, Wilford E., Oklahoma City, Okla. Slip-seat for high chairs. 2,560,708, July 17.

Todd, Everett W., assignor to The Massey-Harris Company, Racine, Wis. Planter marker. 2,561,078, July 17.

Tomlinson, Darrell E., assignor of ninety per cent to E. R. Tomlinson, Crane, Tex. Heater for oil well tubing. 2,561,249, July 17.

Tomlinson, Edward R., assignee: *See*—
Tomlinson, Darrell E.

Toorell, Sture, and E. Grip, assignors to Aktiebolaget Facit, Atvidaberg, Sweden. Automatic multiplying machine. 2,560,910, July 17.

Towe, Arvil, Mountain Grove, Mo. Machine for packing celery bunches in trenches. 2,560,750, July 17.

Trammell, Earl M., Sr., assignor to Huttig Sash & Door Co., St. Louis, Mo. Sliding door assemblies. 2,561,079, July 17.

Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,561,250, July 17.

Trimarchi, Joseph, and L. Pezza, Bronx, N. Y. Adjustable blind and curtain support. 2,561,157, July 17.

Trousdale, Robert B., Rochester, N. Y., assignor to Stromberg-Carlson Company. Phase inversion circuits for cathode-ray tubes. 2,560,751, July 17.

Tube Reducing Corporation, assignee: *See*—
Coe, George B.

Tunnicliff, Eustace: *See*—
Richardson, Arthur B. F. G., Tunnicliff, and Fisher.

Turner, Charles L.: *See*—
Port, Frederick J., Hall, and Turner.

Turner, Charles W., Columbia, assignor to American Dairies Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Feed for ruminant animals. 2,560,830, July 17.

Turner, James R.: *See*—
Hannibal, Lester S., and Turner.

Tuttle, Charles D., Trenton, assignor to General Motors Corporation, Detroit, Mich. Cleaning process especially adapted to remove buffing dirt and/or drawing compounds from metal preparatory to plating operations. 2,561,158, July 17.

United Aircraft Corporation, assignee: *See*—
Nelson, Andrew J.

United Chromium, Incorporated, assignee: *See*—
Passal, Frank.

United States Rubber Company, assignee: *See*—
Ladd, Elbert C.
Provost, Raoul L.
Rhines, Chester E.
Scott, Benjamin H.
Tawney, Pliny O.

U. S. Slicing Machine Company, Inc., assignee: *See*—
Van Duyn, Adrianus.

U. S. Textile Machine Company, assignee: *See*—
Thomas, Alfred W., Jr., and Gubitose.

Universal Fountain Pen & Pencil Co., Inc., assignee: *See*—
Morris, Hy D.

Universal Oil Products Company, assignee: *See*—
Huff, Lyman C.

Universal Wire Spring Company, assignee: *See*—
Blumensaadt, Svend G., Neely, and Page.

Unzeitig, Milvoy, Cedar Rapids, Iowa. Vehicle spring suspension. 2,560,999, July 17.

Upjohn Company, The, assignee: *See*—
Weisblat, David I., and Hanze.
Weisblat, David I., and Magerlein.

Vaca, Humberto, Detroit, Mich. Eye shield. 2,560,669, July 17.

Van Aardt, Johannes H. P., Germiston, Transvaal, assignor to R. F. Powell, Barberton, and National Chemical Products Limited, Germiston, Transvaal Province, Union of South Africa. Trialkoxy paraffins as froth flotation frothing agents. 2,561,251, July 17.

Van de Wiel, Alfred, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric circuit arrangement. 2,561,080, July 17.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Slicing machine food pusher. 2,560,670, July 17.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Slicing machine food pusher. 2,560,671, July 17.

Vanheerswynghels, Joseph, Brussels, Belgium. Impulse transmitter for automatic telephone systems. 2,561,298, July 17.

Van Hulzen, Andrew, Chicago, Ill. Tire tube. 2,560,609, July 17.

Van Overbeek, Adrianus J. W. M.: *See*—
Jonker, Johannes L. H., and van Overbeek.

Van Ryan, Anthony, South Milwaukee, and C. Schindler, Wauwatosa, Wis., assignors to McGraw Electric Company. Circuit interrupter. 2,560,831, July 17.

Van Weenen, Franciscus L.: *See*—
Rinia, Herre, and van Weenen.

Van Weenen, Franciscus L., and W. H. Stigter, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Co., Hartford, Conn., as trustee. Wobbler drive mechanism. 2,561,000, July 17.

Vars, Ethan W., Duncannon, assignor, by mesne assignments, to George Harold Bell & Associates, York, Pa. Suspending, latching, and locking means for tail gates. 2,561,081, July 17.

Vass, William R., Roanoke, Va. Adjustable window frame. 2,560,752, July 17.

Velsicol Corporation, assignee: *See*—
Liesch, Le Roy W.

Victor, Samuel, Chicago, Ill.; now by judicial change of name, Sam Women Sam. Metal seamless tube table. 2,561,322, July 17.

Vincent, Marion, assignee: *See*—
Pfeifer, Charles F.

Volenec, Emil, and F. C. Kohagen, Minneapolis, Minn.; said Kohagen assignor to Volenec. Aerator for minnow buckets. 2,560,672, July 17.

Von Fraunhofer, Hans, London, England. Color cinematography. 2,561,299, July 17.

Von Hohenleiten, Harry L.: *See*—
Wolf, Edgar F., and von Hohenleiten.

Vosen, Roy, and E. Philippi, Coeur d'Alene, Idaho. Sheet metal cutter. 2,560,673, July 17.

Votruba, Vojtech, assignor to Koh-I-Noor Pencil Factory L. & C. Hardtmuth, Ceske Budejovica, Czechoslovakia. Multicolor magazine pencil. 2,560,832, July 17.

Vulcan Corporation, assignee: *See*—
Schlueter, Robert H.

Waara, David H., Detroit, assignor to R. L. Brown, Ferndale, Mich. Stamped sheet metal molding clip. 2,561,006, July 17.

Wagner, Cary R., Utica, Ohio, assignor to Phillips Petroleum Company. Production of alkenylthiophenes. 2,560,610, July 17.

Wagner, Cary R., Utica, Ohio, W. N. Axe, and C. M. Himel, Bartlesville, Okla., assignors to Phillips Petroleum Company. Drilling fluids and using same. 2,560,611, July 17.

Wagner, Cary R., Utica, Ohio, and M. A. Ryan, Bartlesville, Okla., assignors to Phillips Petroleum Company. Drilling fluids and using same. 2,560,612, July 17.

Wagner, Cleason M., Toledo, Ohio. Spin toy. 2,560,833, July 17.

Wahl, Carleton W., Silver Spring, Md. Coupling device. 2,560,613, July 17.

Walker, Daniel N., Birmingham, assignor to Coventry Climax Engines Limited, Coventry, England. Industrial truck. 2,561,300, July 17.

Walker, La Verne C., Baldwin, assignor to Faximile, Inc., New York, N. Y. Dual beam optical system for facsimile scanners. 2,560,614, July 17.

Wallace, Robert L., Jr.: *See*—
Kock, Winston E., and Wallace.

Waller, Coy W., Pearl River, N. Y., and J. C. Paterson, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing glutamic acid monoesters. 2,561,323, July 17.

Walton, Cecil E., New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Self-locking clutch. 2,561,159, July 17.

Ward, Virginia M., San Antonio, Tex. Manicure bowl and stand assembly. 2,561,001, July 17.

Waring, Anna, executrix: *See*—
Waring, Olaf I.

Waring, Olaf I., deceased, Flushing, N. Y.; A. Waring, executrix. Capillary applicator. 2,561,252, July 17.

Warner, Benjamin R., Chicago, Ill., assignor to Guardite Corporation. Tempering wheat. 2,560,615, July 17.

Warner & Swasey Company, The, assignee: *See*—
Curtis, Myron S.

Wasson, Jones I.: *See*—
Rudel, Harry W., and Wasson.

Way, William, Taft, Calif. Grape cutter. 2,561,082, July 17.

Weasler, Anthony V., assignor to Pick Manufacturing Company, West Bend, Wis. Wheel cover mounting. 2,561,160, July 17.

Weaver, Ruth K., assignor to Gaylord Products, Incorporated, Chicago, Ill. Bobby pin stripping device. 2,561,039, July 17.

Webb, Chester H.: *See*—
Fink, Rudolph, and Webb.

Weeks, Charles E., Union, Ohio. Tractor-mounted broadcast seeder. 2,561,002, July 17.

Weglarz, Frank J., Chicago, Ill. Galloping horse. 2,561,301, July 17.

Weinberg, Harold L., Newark, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Bearing alarm system for railway trains. 2,560,753, July 17.

Weisblat, David I., and A. R. Hanze, assignors to The Upjohn Company, Kalamazoo, Mich. Preparing pteridines. 2,560,616, July 17.

Weisblat, David I., and B. J. Magerlein, assignors to The Upjohn Company, Kalamazoo, Mich. Condensation of dihaloalkylaminobenzoates with aminohydroxypyrimidine. 2,560,617, July 17.

Weiss, David E., Chicago, Ill., assignor to Whitehouse Manufacturing Co. Inc., South Bend, Ind. Wrist cuff construction. 2,561,161, July 17.

Welch, William W., assignee: *See*—
Welch, William W., Jr.

Welch, William W., Jr., assignor to W. W. Welch, Cincinnati, Ohio. Whirling display device. 2,561,083, July 17.

Wells-Coates, Wells W., London, England. Sailing craft. 2,561,253, July 17.

Wenberg, Edwin H., Caracas, Venezuela. Solar navigating instrument. 2,560,618, July 17.

Werner, Raymond E.: *See*—
Opp, Carl J., and Werner.

Wertz, Louis S., Cleveland, Ohio. Grouting process and apparatus. 2,560,619, July 17.

Westall, Thomas E., assignor to Marion Machine Company, Marion, N. C. Overhead loader for vehicles. 2,560,674, July 17.

Westberg, Vernon C.: *See*—
Nilson, James H., and Westberg.

Western Electric Company, Incorporated, assignee: *See*—
Gauthier, Marcel C.
Koch, Herbert W.
Norman, Hollis W., and Rollings.

Westfield River Paper Company, Inc., assignee: *See*—
Barnhart, Philip S., and Miller.

Westinghouse Electric Corporation, assignee: *See*—
Leuzarder, John B., Aakjer, and Knochel.
Pask, Joseph A., and Schiveree.
Zavales, Charles T., Euler, and Kalstein.

Weston Electrical Instrument Corporation, assignee: *See*—
Lamb, Francis X.

West Virginia Pulp and Paper Company, assignee: *See*—
Haywood, Gerald, and Dayton.

Weyant, Valone C. V., assignor to The Yoder Co., Cleveland, Ohio. Measurement and actuation device. 2,560,754, July 17.

Wheeler, Anna F., assignee: *See*—
Rogers, Alden.

Wheeler, Barbara B., and R. V. Burdick, Jr., Loudonville, N. Y. Face powder box. 2,560,675, July 17.

Whetstone, Richard R., C. W. Smith, and D. G. Norton, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Unsaturated ether aldehydes and acetals thereof. 2,561,254, July 17.

White, A. W., assignee: *See*—
Teel, William R.

White, Calvin W., Kansas City, Mo. Pneumatic-hydraulic system for well pumping or drilling units. 2,560,676, July 17.

White, Zebulon L., Parkville, and W. Buchal, Kingsville, assignors to The Glenn L. Martin Company, Middle River, Md. Automatic feeding device. 2,561,255, July 17.

Whitehead, Stanley, and B. Rosenblum, London, England; said Rosenblum now by change of name, B. Roston. Location of conducting and/or magnetic bodies. 2,560,834, July 17.

Whitehill, Stanley M., assignee: *See*—
Groth, Fred A.

Whitehouse Manufacturing Co. Inc., assignee: *See*—
Weiss, David E.

Whitlow, Shelton, Houston, Tex. Paint applicator. 2,561,162, July 17.

Whittam, Benjamin B., Doylestown, Pa. Roll-shear vibration isolation mounting. 2,560,620, July 17.

Whittle, Frank, Rugby, assignor to Power Jets (Research and Development) Limited, London, England. Reduction of drag of and propulsion of aerodynamic or hydrodynamic bodies. 2,561,303, July 17.

Whizzer Motor Company, Inc., assignee: *See*—
Schuricht, Henry A.

Wickham, Parker B., Delavan, and S. A. Johnston, Walworth, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Piezoelectric microphone. 2,561,084, July 17.

Willard Storage Battery Company, assignee: *See*—
Zachlin, Anthony C.

Williams, Malcolm C., Fort Erie, Ontario, Canada. Fishing bait. 2,560,835, July 17.

Wilson, Alexander J., assignor of one-half to T. Adam, Aberdeen, Scotland. Fish curing apparatus. 2,560,677, July 17.

Wilson, Anthony, Beaver County, Pa. Hassock and manufacturing the same. 2,560,785, July 17.

Wilson, Cecil L., Portland, Oreg. Necktie knot holder. 2,561,003, July 17.

Wilson & Co. Inc., assignee: *See*—
Selby, Theodore R.

Wilson, Howard L., Elizabeth, R. F. Leary, Cranford, and J. F. Nelson, Rahway, N. J., assignors to Standard Oil Development Company. Drying synthetic rubber polymers. 2,561,256, July 17.

Wilson, John C., and W. G. Baldenhofer, assignors to The Thompson Grinder Company, Springfield, Ohio. Method and apparatus for grinding. 2,561,004, July 17.

Wilson, Oliver W.: *See*—
Foster, Warren D., and Wilson.

Wingfoot Corporation, assignee: *See*—
Byers, Clifton A., and Clugh.
Carson, Clarence M.
Clark, Harold H.
Ford, Charles J., and Miller.
George, Everett D.
Lichty, Joy G.

Wiremold Company, The, assignee: *See*—
Murphy, Robert H.

Wirt, John R., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Welding. 2,560,678, July 17.

Wittle, Eugene L., and G. W. Moersch, assignors to Parke, Davis & Company, Detroit, Mich. Substituted pteridines and obtaining the same. 2,561,302, July 17.

Wix Accessories Corporation, assignee: *See*—
Sherrill, James W., and Alexander.

Wofford, William T., assignee: *See*—
Fincher, Dewitt F. and H. T.

Wolf, Alexander, assignor to Keystone Development Corporation, Houston, Tex. Acoustical well sounder. 2,560,911, July 17.

Wolf, Edgar F., and H. L. von Hohenleiten, assignors to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Flexible rotary agitator for hoppers with variable eccentric mountings and spaced weights. 2,561,258, July 17.

Wolfe & Lang, Inc., assignee: *See*—
Spetalnik, Mack.

Wolters, Carl F., New Canaan, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Progressive drawer suspension. 2,561,163, July 17.

Woodson, Thomas T., Fairfield, Conn., assignor to General Electric Company. Control for automatic washing machines. 2,561,257, July 17.

Woolsoncroft, Dale L.: *See*—
Jones, Frank D., Slavens, and Woolsoncroft.

Woodward, William R., Plandome Heights, N. Y., assignor to American Telephone and Telegraph Company. Clipping amplifier. 2,560,709, July 17.

Wrenshall, Charlton L., Jacksonville, Fla. Meat substitute and making same. 2,560,621, July 17.

Wright, Richard H., Cleveland, Ohio, and D. G. Haight, Chicago, Ill., assignors to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Forming bracket units. 2,560,786, July 17.

Wuchr, William L., Port Arthur, Tex. Gas turbine. 2,561,005, July 17.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Quayle, George F.

Yanzito, Benjamin B., Racine, Wis. Scraper. 2,561,259, July 17.

Yaupp, Daniel M., Chicago, Ill. Packing swing. 2,561,260, July 17.

Yates, Wallace J.: *See*—
Boissonou, Clifford J., and Yates.

Yoder Co., The, assignee: *See*—
Weyant, Valone C. V.

Young, Ferdinand H.: *See*—
Ryan, George R., and Young.

Zachlin, Anthony C., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery plate forming tank. 2,560,836, July 17.

Zalkind, Albert M., Arlington, Va. Multiuse folding table. 2,560,679, July 17.

Zavales, Charles T., New York, N. Y., F. J. Euler, Jr., Baltimore, Md., and J. E. Kalstein, Washington, D. C., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic exposure timer. 2,561,085, July 17.

Zecher, Ernest, Middletown, Ohio. Counterbalanced and counteraction internal-combustion engine. 2,561,261, July 17.

Zink, John S., assignee: *See*—
Reed, Robert D.

Ziska, Adam, Wauwatosa, assignor to S. M. Kaufman, Milwaukee, Wis. Cup for refrigerated commodities. 2,561,262, July 17.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Loading machine. J. B. McDade. Re. 23,392, July 17.

Rotary abrading tool. E. W. Hall. Re. 23,391, July 17.

LIST OF DESIGN INVENTIONS

Automobile exhaust pipe extension. B. W. McCartney. 163,955, July 17.
Automobile gasoline door guard. P. E. Allen. 163,920–7, July 17.
Awning or similar article. N. L. Etten. 163,939, July 17.
Bank, Money. J. Goodman. 163,943, July 17.
Bedstead. W. S. Harris. 163,949, July 17.
Board, Game. T. J. Meyer. 163,957, July 17.
Bottle. M. J. V. P. de Montesquiou Fezensac. 163,937, July 17.
Box, Jewelry. P. J. Kully. 163,953, July 17.
Bracelet or the like, Watch. L. E. Valcourt. 163,980–2, July 17.
Brassière slip, Strapless. M. M. Saffir. 163,968, July 17.
Brooch or similar article. A. Philippe. 163,962, July 17.
Chair unit. E. C. Frost. 163,941, July 17.
Clockcase. L. I. Bruce. 163,930, July 17.
Container for flabbooks and the like. A. K. Stevens. 163,976, July 17.
Container or similar article, Floating minnow. K. E. Greene. 163,946, July 17.
Cover for paint cans. H. Rosset. 163,967, July 17.
Display case, Plastic. L. H. Singer and L. S. Utley. 163,971, July 17.
Eye testing device. R. V. Gerhardt. 163,942, July 17.
Fabric or the like, Printed. E. N. Timmons. 163,977–8, July 17.
Fence for Christmas trees, Decorative. J. T. Rogers. 163,966, July 17.
Fishing lure, Artificial. H. R. Smith. 163,973, July 17.
Fluid applicator or the like, Stationer's. E. A. Johnson. 163,951, July 17.
Frame for gift packages, Separable picture or monogram. J. Byck. 163,931–2, July 17.
Frame, Spectacle. J. C. Foster. 163,940, July 17.
Golf club head. T. Penna. 163,961, July 17.
Handle or the like, Cutlery. L. K. Carroll. 163,933, July 17.
Helicopter. C. A. Barnett. 163,928, July 17.
Helicopter. L. L. Douglas. 163,938, July 17.
Holder, Cigarette. J. R. Johnston. 163,952, July 17.
Hood ornament, Automobile. S. R. Jaffe. 163,950, July 17.
Indicator or the like, Air filter cleanliness. E. Newville. 163,958, July 17.
Instrucent, Measuring. W. A. Baum. 163,929, July 17.
Instrument panel for automatic machine tools. R. E. Cross. 163,935, July 17.
Lighting fixture with translucent louver, fluorescent. L. K. Schoenbrod. 163,969, July 17.
Link chain for a bracelet or similar article, Expansible. L. E. Valcourt. 163,979, July 17.
Mirror and whisk broom, Combined novelty. E. Steiner. 163,974, July 17.
Necklace or similar article. M. Chernow. 163,934, July 17.
Necklace or the like. A. Philippe. 163,963–4, July 17.
Necktie. A. P. Slaner. 163,972, July 17.
Novelty figure whisk broom or similar article. E. Steiner. 163,975, July 17.
Refrigerator. R. A. Wyatt. 163,983, July 17.
Shaper for cutting oboe and English horn reed cane. V. de Marzi. 163,936, July 17.
Sole, Shoe. G. M. Capdevila. 163,956, July 17.
Sole, Shoe. L. M. Oakley. 163,960, July 17.
Stocking. B. D. Gordon. 163,944–5, July 17.
Support for fragile articles. E. L. Shepard. 163,970, July 17.
Tabernacle or similar article. M. Novotny. 163,959, July 17.
Transparency mount. J. C. Reddig and K. A. Van Dyck. 163,965, July 17.
Trap, Hand. C. J. Guide. 163,947, July 17.
Tray, Dashboard. S. Kulwin. 163,954, July 17.
Valve unit for inflating life rafts or the like. T. N. Hannant. 163,948, July 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF JULY, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetoacetic amides of β,γ-ethylenically unsaturated amines. G. D. Jones. 2,561,205, July 17.
Acrylonitrile copolymers. A. L. Allewelt. 2,560,680, July 17.
Adjustable blind and curtain support. J. Trimarchi and L. Pezza. 2,561,157, July 17.
Adjustable chair. J. M. Dorton. 2,560,688, July 17.
Adjustable window frame. W. R. Vass. 2,560,752, July 17.
Aerating water. A. R. Persson and J. O. Naucler. 2,560,978, July 17.
Aerator for minnow buckets. E. Volenec and F. C. Kohagen. 2,560,672, July 17.
Aerial pickup. R. Fink and C. H. Webb. 2,560,563, July 17.
Agricultural attachment for tractors. E. R. Burgess. 2,560,631, July 17.
Air-conditioning system, Multiple stage. A. B. Newton. 2,561,067, July 17.
Aircraft, Roadable. S. C. Rethorst. 2,561,291, July 17.
Alarm system for railway trains, Bearing. H. L. Weinberg. 2,560,753, July 17.
Alkenylthiophenes, Production of. C. R. Wagner. 2,560,610, July 17.
Alkyd resin. C. J. Opp and R. E. Werner. 2,560,592, July 17.
α-methyl benzyl esters of campholic and fencholic acids. W. A. Fry. 2,561,193, July 17.
Amine salt precipitants for antibiotic bases. P. P. Regna and I. A. Solomons. 2,560,891, July 17.
Amplifier, Clipping. W. R. Woodward. 2,560,709, July 17.
Amplifier for pulses, Voltage regulated multiple. G. E. Hagen. 2,560,691, July 17.
Amplifier, Semiconductor. W. E. Kock and R. L. Wallace, Jr. 2,560,579, July 17.
Amplitude and frequency modulation detectors, Combined. E. I. Anderson. 2,561,088, July 17.
Angle device, Adjustable cropping. E. J. Ens. 2,560,937, July 17.
Anthraquinone dyestuffs for acetate rayon. D. I. Randall and E. E. Renfrew. 2,560,887, July 17.
Apparatus and method for use in color reproduction. N. R. Gunderson. 2,560,567, July 17.
Apparatus for bonding heads into barrels. H. E. Thyen. 2,560,906, July 17.
Apparatus for calking fins. W. B. Bronander. 2,561,174, July 17.
Apparatus for cleaning animal intestines. T. R. Selby. 2,560,603, July 17.
Apparatus for grinding combustible materials. J. W. Ayers. 2,561,043, July 17.
Apparatus for grinding gears and gear cutters. F. Lohutko. 2,560,967, July 17.
Apparatus for injection molding. F. A. Groth. 2,561,021, July 17.
Apparatus for making stereoscopic pictures. W. A. Ayres. 2,560,538, July 17.
Apparatus for measuring electrochemical potentials. E. L. Gambetta. 2,560,857, July 17.
Apparatus for producing glass articles. A. J. Throm. 2,561,248, July 17.
Apparatus for securing cargo in transit. J. R. Huber. 2,560,695, July 17.
Apparatus for the continuous operation of cells for the electrolysis of molten salts. L. Ferrand. 2,560,854, July 17.
Apparatus for thickening pulp. J. T. Coghill and H. H. Langdon. 2,561,013, July 17.
Apparatus for venting tire casings. H. H. Clark. 2,561,012, July 17.
Arm cap release for reclining backs of coach seats. E. W. Hollis. 2,560,796, July 17.
Armature reaction control for alternators. C. L. Brown. 2,560,718, July 17.
Armrest for motor vehicles, Portable. D. F. and H. T. Fincher. 2,560,791, July 17.
Arrangement of load carrier and lifting mechanism for trucks. F. Stoner. 2,560,608, July 17.
Artificial fish bait. F. A. Arbogast. 2,561,040, July 17.
Ash collector with shredding means. W. E. Hentschel. 2,561,275, July 17.
Attachment for fly and casting rods. S. J. Paris. 2,561,289, July 17.
Autocondensation products of an aryloxy aminotriazine. F. C. Schaefer. 2,560,825, July 17.
Automatic depth control for presses. G. B. Bickelhaupt, Jr. 2,561,169, July 17.
Automatic feeding device. Z. L. White and W. Buchal. 2,561,255, July 17.
Automatic shifting mechanism for hydraulic-mechanism transmissions. A. F. Hulick. 2,560,870, July 17.
Awning. F. A. Powell. 2,561,225, July 17.
Axle assembly for trailers, Swinging. F. Rohr. 2,561,230, July 17.
Baby mouth washer. C. Scarkino. 2,560,746, July 17.
Backing sheet for manifold copies. E. Phillips. 2,560,701, July 17.
Baffle for drainage ports. M. E. Osburn. 2,561,221, July 17.
Baled hay feeding device. C. J. Peterson. 2,561,069, July 17.
Bandage for varicose ulcer treatment. L. B. Bell. 2,560,712, July 17.
Base for swivel chairs. T. Elleman. 2,561,102, July 17.
Basin drain spillway. A. F. Jackson. 2,560,954, July 17.
Bassinet, Collapsible.—C. S. McCarthy. 2,561,285, July 17.
Baster, Automatic. P. V. Shell. 2,560,605, July 17.
Battery cell indicating device. E. Kopper and W. H. Radeke. 2,560,962, July 17.
Battery plate forming tank. A. C. Zachlin. 2,560,836, July 17.
Bearing: *See*—
Radial roller bearing.
Bearing support for a two-part universally coupled transmission shaft. H. I. F. Evernden and F. J. Hardy. 2,560,759, July 17.
Bed, Wall. J. M. Dorton. 2,560,689, July 17.
Bicycle fork. L. O. Thorklidsen. 2,561,156, July 17.
Block: *See*—
Hollow and channel building block.
Metal faced building block.
Board: *See*—
Ironing board.
Boat carrier for automobiles. G. W. Harder. 2,561,199, July 17.
Bobby pin stripping device. R. K. Weaver. 2,561,039, July 17.
Body structure for vehicles. N. E. Cole. 2,561,098, July 17.
Bowl and stand assembly, Manicure. V. M. Ward. 2,561,001, July 17.
Box: *See*—
Face powder box.
Box structure, Safety. R. D. McBride. 2,561,129, July 17.
Bracket construction, Unitary Venetian blind. H. H. Haynam. 2,560,765, July 17.
Brake adjustment. L. R. Buckendale. 2,560,551, July 17.
Brake head. C. E. Tack. 2,561,297, July 17.
Braking device for web handling apparatus. L. M. Arcement. 2,561,165, July 17.
Brassière. M. Spetalnik. 2,560,706, July 17.
Bromate ion-sulfoxy compound catalyst system in aqueous polymerization process. E. G. Howard, Jr. 2,560,694, July 17.
Brush of the push broom type. A. L. Le Febvre. 2,561,025–6, July 17.
Bubble gun. N. J. Limber. 2,560,582, July 17.
Buffing wheel or wheel section. E. W. Hall. 2,560,764, July 17.
Burner: *See*—
Internal gas burner.
Multijet oil burner.
Rotating atomizing cup burner.
Sheet-metal oven gas burner.
Burner cap structure. F. J. Port, J. R. Hall, and C. L. Turner. 2,560,984, July 17.
Burner with air and flame baffles, Gas. R. D. Reed. 2,560,888, July 17.
Burner with internal fuel distributors and variable flame area, Gas. J. A. Harrison. 2,560,862, July 17.
Butyrometer centrifuge. G. W. Ruda. 2,560,988, July 17.
C-nitrosoarylamines, Manufacture of. S. M. Roberts. 2,560,892–4, July 17.
Cabinet: *See*—
Collapsible bath cabinet.
Cabinet construction. L. S. Chadwick. 2,561,094, July 17.
Cabinet construction, Refrigerator. W. P. Hill. 2,561,276, July 17.
Calculator and circular slide rule, Printer's. F. A. Babcock. 2,561,263, July 17.

Calendar, Envelope type record. H. Holland. 2,560,766, July 17.
Camera stand for medical photography. S. M. Nagourney. 2,560,884, July 17.
Cane, Light reflecting. A. E. Richey. 2,561,228, July 17.
Cap: *See*—
  Drop former bottle cap.
Capillary applicator. O. I. Waring. 2,561,252, July 17.
Car top trailer. G. H. Beckley. 2,561,168, July 17.
Card sustaining book leaf. A. E. Jones. 2,560,725, July 17.
Carriage for flying hot saws. W. Rodder. 2,561,292, July 17.
Carrier: *See*—
  Yarn carrier.
Carrier attachment for tractors. R. C. Harig. 2,560,570, July 17.
Carrier for perfumed or other odoriferous material. H. Berkowitz. 2,560,681, July 17.
Case: *See*—
  Semistiff walled toilet case.
Caster. R. Ferwerda. 2,560,562, July 17.
Casting concrete shingles. C. F. Schaaf. 2,560,781, July 17.
Casting of metal, Continuous. J. V. Giesler and H. E. Kaserman. 2,560,639, July 17.
Catalytic conversion of hydrocarbons, Process and apparatus for the. E. W. Shand. 2,560,899, July 17.
Catch and frame insert. R. A. Stone. 2,561,295, July 17.
Cathodic protection for water softeners and filters. G. H. Klumb. 2,560,960, July 17.
Cellulose, Manufacture of. H. Dreyfus. 2,560,638, July 17.
Cement for laminating sheets of paper or like materials. P. S. Barnhart and J. C. Miller. 2,560,916, July 17.
Cementing plug. F. D. Smith. 2,560,901, July 17.
Centrifugal air cleaner. F. Kelso. 2,560,874, July 17.
Chair: *See*—
  Adjustable chair. Lounge chair.
  Hospital bed patient bathtub chair.
Chemical deposition of metallic films. L. Pessel. 2,560,979, July 17.
Chlorination of synthetic rubber. J. G. Lichty. 2,560,869, July 17.
Chuck. O. M. Jensen. 2,560,798, July 17.
Chuck for jeweler's screw driver. C. B. Greenberg. 2,560,947, July 17.
Cigarette extinguisher. R. F. Lacker. 2,561,124, July 17.
Cinematography, Color. H. von Fraunhofer. 2,561,299, July 17.
Circuit: *See*—
  Electric circuit. Phase inverter circuit.
  Electronic control circuit. Pulse timing circuit.
  Frequency modulation transformer loading circuit. Signal amplitude controlling transformer loading circuit.
  Group selection control circuit. Television receiver blanking circuit.
Circuit arrangement comprising a cathode beam tube provided with means for deflecting the cathode beam. J. L. H. Jonker and A. J. W. M. van Overbeek. 2,561,057, July 17.
Circuit arrangement comprising an oscillator and a reactance tube. E. H. Hugenholtz. 2,561,056, July 17.
Circuit arrangement, Electric. A. van de Wiel. 2,561,080, July 17.
Circuit breaker, Electrical. H. W. Koch. 2,560,800, July 17.
Circuit for condition responsive impedances, Measuring. A. C. Ruge. 2,561,317, July 17.
Circuit for distortion measurement. N. B. Saunders. 2,561,234, July 17.
Circuit for gaseous conduction tubing, Protective. L. H. Lamont. 2,560,771, July 17.
Circuit interrupter. A. Van Ryan and C. Schindler. 2,560,831, July 17.
Circuit selector, Temperature responsive. J. N. Stewart. 2,560,829, July 17.
Circuits, Counter control. W. H. Bliss and I. E. Grosdoff. 2,560,922, July 17.
Circuits for cathode-ray tubes, Phase inversion. R. B. Trousdale. 2,560,751, July 17.
Circuits for oscillographs, Time base. N. F. Moody. 2,561,066, July 17.
Circuits, Frequency modulation-amplitude modulation receiver. E. I. Anderson. 2,561,087, July 17.
Circuits, Frequency modulation detector. S. Solomon. 2,561,149, July 17.
Circumcision clamp. C. T. Buckingham. 2,561,176, July 17.
Clamp: *See*—
  Circumcision clamp. Fluid pressure actuated multiple arm pressure clamp.
  Dental matrix clamp.
  Drape supporting clamp.
Clean-burning carbonaceous compositions. J. D. Bartleson and E. C. Hughes. 2,560,542, July 17.
Cleaner: *See*—
  Centrifugal air cleaner. Suction cleaner.
  Glass cleaner.
Cleaner device, Disposable. W. H. D. Hornaday. 2,560,649, July 17.
Cleaning process especially adapted to remove buffing dirt and/or drawing compounds from metal preparatory to plating operations. C. D. Tuttle. 2,561,158, July 17.
Clip: *See*—
  Stamped sheet metal molding clip.
Closure. J. F. Horvath. 2,561,118, July 17.
Closure for multiple dose vials. E. E. Schuler. 2,561,294, July 17.
Closure for receptacles, Tamperproof. E. Greene. 2,560,793, July 17.
Clothes hanger. B. Belefant. 2,561,045, July 17.
Clothes wringer control mechanism of the instinctive release type. S. I. Gabrielson. 2,561,195, July 17.
Clutch: *See*—
  Self-locking clutch.
Clutch and brake, Electromagnetic. L. Hubert. 2,560,868, July 17.
Clutch for grain drills, Cam released. E. F. Schmutzler. 2,561,235, July 17.
Coaster, Drinking glass. H. A. Lockwood. 2,561,127, July 17.
Coating paper. G. Haywood and C. S. Dayton. 2,560,572, July 17.
Coffee grinder feed and control device. R. L. Schuhmann. 2,560,826, July 17.
Collapsible bath cabinet. C. E. Burns. 2,561,265, July 17.
Comb foundation. E. F. Smith. 2,561,147, July 17.
Combination balanced shutoff and throttling valve assembly. W. N. Matson and H. A. Mayor. 2,561,214, July 17.
Compressed air circuit breaker with a plurality of series connected breaking gaps. H. Forwald. 2,561,191, July 17.
Condensation of dihaloalkylaminobenzoates with aminohydroxypyrimidine. D. I. Weisblat and B. J. Magerlein. 2,560,617, July 17.
Connector: *See*—
  Wire splice connector.
Connector and clamp, Combined hose. R. W. Freeman. 2,560,565, July 17.
Constant current open circuit protective system. P. H. Houser and J. Peterson. 2,561,202, July 17.
Construction of seats. J. E. L. Marshall. 2,560,969, July 17.
Container: *See*—
  Garment container. Key container.
Container with spring-biased closure having means for dispensing a measured quantity of container contents. A. W. Grote. 2,561,111, July 17.
Control for automatic washing machines. T. T. Woodson. 2,561,257, July 17.
Conveyer feeding apparatus. J. W. Stiles. 2,560,995, July 17.
Cooking device. J. Leibowitz. 2,561,125, July 17.
Cooling system and apparatus for abrasive wheels. C. L. Garrison. 2,560,944, July 17.
Corn popping device. M. Joffe. 2,561,203, July 17.
Counterbalanced and counteraction internal-combustion engine. E. Zecher. 2,561,261, July 17.
Counting relay system. J. F. Schouten and N. Rodenburg. 2,561,073, July 17.
Coupling: *See*—
  Flexible drive coupling. Resilient drive coupling.
  Flexible shaft coupling. Wave guide coupling.
  Overload release coupling.
Coupling device. C. W. Wahl. 2,560,613, July 17.
Cover: *See*—
  Shade cover.
Crate and liner, Fruit. G. J. Schmitz. 2,561,143, July 17.
Crate, Metal-lined. C. W. Saunders. 2,560,989, July 17.
Crib, Infant's. M. A. Goldberger. 2,560,945, July 17.
Crude purified Hevea rubber. C. E. Rhines. 2,560,744, July 17.
Crystal controlled calibrator for self-pulsed radar. F. E. Steele. 2,560,607, July 17.
Cultivator equipment for tractors. W. H. Crenshaw. 2,560,636, July 17.
Cultivator, Tractor mounted. R. S. Reaves. 2,560,702, July 17.
Cup for refrigerated commodities. A. Ziska. 2,561,262, July 17.
Cup or like receptacle, Handled. K. T. Buttery and L. W. Sutherland, Jr. 2,560,927, July 17.
Curtain rod. L. D. Ford and F. L. Stutz. 2,560,942, July 17.
Cushioned gear. T. L. Fawick. 2,561,103, July 17.
Custard dispenser. J. L. Sammy. 2,560,664, July 17.
Cutter: *See*—
  Grape cutter. Sheet metal cutter.
  Insulation cutter.
Cutting and flanging attachment. H. A. Lang and R. M. Graves. 2,560,804–5, July 17.
Cutting apparatus. B. S. Harrington. 2,561,274, July 17.
Cutting flat shaped pieces from plastic materials, Method and apparatus for. C. S. Charron and L. Crawford-Brown. 2,561,050, July 17.
Cylinder air port construction. C. F. Pervier. 2,560,700, July 17.
Cylinder, Hydraulic brake master. C. A. Byers and P. C. Clugh. 2,561,009, July 17.
Decoder for proportional control, Pulse signal. C. I. Schafer. 2,560,600, July 17.

Defectively labeled and nonlabeled can detecting and rejecting device. G. J. Palmer, Jr. 2,560,737, July 17.
Defrosting indicator. A. A. Andersen. 2,560,537, July 17.
Dehydration of acetonitrile. H. D. Chapman and W. I. Denton. 2,560,931, July 17.
Densitometer and electronic measuring circuit therefor, Comparison-type. M. H. Sweet. 2,561,243, July 17.
Dental matrix clamp. D. R. Christie and M. M. Bottemiller. 2,560,553, July 17.
Depth sounding apparatus. E. H. Bickley. 2,561,171, July 17.
Detergent composition. J. J. Ayo, F. J. Gajewski, and H. L. Sanders. 2,560,839, July 17.
Device for applying emasculating rings. A. Y. Montgomery. 2,561,286, July 17.
Device for differentially heating a plastic film. W. F. Flanagan. 2,560,855, July 17.
Device for dressing grinding wheels. F. Lohutko. 2,560,654, July 17.
Device for measuring or checking a transverse dimension in a piece of indefinite length. M. Mennesson. 2,560,883, July 17.
Dialkylalkenylsuccinates. H. W. Rudel and J. I. Wasson. 2,561,232, July 17.
Diesel fuel. R. Sugimoto. 2,560,904, July 17.
Directional signal. J. T. Dooley. 2,561,267, July 17.
Disk for double twist spindles, Yarn take-up. J. K. Cochran. 2,560,848, July 17.
Disk hub and bearing assembly. D. E. Lewis. 2,560,965, July 17.
Disk plow, Hydraulic reversible. G. R. Onfrey. 2,561,032, July 17.
Dispenser: *See*—
  Custard dispenser. Sand dispenser.
Dispenser comprising interlocking figurines, Condiment. R. V. Bendel. 2,560,755, July 17.
Dispenser for cigarettes and the like. L. E. Thomas and L. Bell. 2,560,907, July 17.
Display device, Whirling. W. W. Welch, Jr. 2,561,083, July 17.
Distillation of carbonaceous solids. L. C. Huff. 2,560,767, July 17.
Distributing device for the charge of shaft furnaces. M. A. Brun and L. F. Sauvage. 2,560,844, July 17.
Distributor, Material. R. A. Shaw. 2,561,145, July 17.
Ditch digging machine with warning device. A. R. Stryker. 2,561,152, July 17.
Door assemblies, Sliding. E. M. Trammell, Sr. 2,561,079, July 17.
Door controlling device. T. P. Hannegan. 2,560,860, July 17.
Door seal for pressurized aircraft. W. N. Stark. 2,560,665, July 17.
Draft inducer for combustion apparatus, Mechanically driven impeller type. M. Resek. 2,561,135, July 17.
Drape supporting clamp. H. W. Metzger. 2,560,975, July 17.
Drawer suspension, Progressive. C. F. Wolters. 2,561,163, July 17.
Drier having an adjustable exhaust system, Dielectric. B. H. Griffith, Jr. 2,560,763, July 17.
Drier or the like, Germicidal hair. J. C. Maccallum. 2,560,808, July 17.
Drill: *See*—
  Grain drill.
Drilling fluids and using same. C. R. Wagner, W. N. Axe and C. M. Himel. 2,560,611, July 17.
Drilling fluids and using same. C. R. Wagner and M. A. Ryan. 2,560,612, July 17.
Drive gearing and electrodynamic brake control therefor, Differential. J. M. Colby. 2,560,554, July 17.
Driving and adjusting means for printing rollers in web printing machines. C. Luttenauer. 2,560,774, July 17.
Driving differential. A. D. Robbins. 2,560,779, July 17.
Drop former bottle cap. R. L. Thonen. 2,560,998, July 17.
Drying of bulk products. A. H. Heineman. 2,560,573, July 17.
Drying synthetic rubber polymers. H. L. Wilson, R. F. Leary and J. F. Nelson. 2,561,256, July 17.
Dummy calf. D. A. Nogle. 2,560,657, July 17.
Dumping control for scrapers. K. E. Reischl. 2,560,597, July 17.
Dynamometer, Ring type force measuring. A. C. Ruge. 2,561,318, July 17.
Earth-pot press. G. N. Pettersen. 2,560,980, July 17.
Echo suppression in transmission lines. W. D. Lewis. 2,560,806, July 17.
Edgewound resistor. M. W. Griffes and C. W. Merchant. 2,560,690, July 17.
Edging and polishing machine. T. E. Pillow. 2,560,740, July 17.
Edging tool. M. D. McCauley. 2,560,882, July 17.
Electric circuit. A. J. Brouwer. 2,561,048, July 17.
Electric control system. H. S. Ogden. 2,561,220, July 17.
Electric door lock. M. J. Tassin. 2,561,076, July 17.
Electric dry shaver. J. Streng. 2,561,241, July 17.
Electric gaseous discharge device electrode. H. H. Homer. 2,560,953, July 17.
Electric pressure gauge. J. G. Drane. 2,560,852, July 17.
Electric switch. R. K. Boyer. 2,560,717, July 17.
Electric temperature control apparatus. C. W. Bristol. 2,560,788, July 17.
Electrical control apparatus. R. J. Gaubert. 2,561,107, July 17.
Electrical switch. C. R. Ellis and W. E. Frye. 2,560,561, July 17.
Electrode and resistor assembly unit. L. L. Stoffel. 2,561,151, July 17.
Electrolytic method of stripping nickel, chromium, copper, zinc, cadmium, silver, tin, and lead electrodeposits from ferrous basis metals, and compositions for use therein. F. Passal. 2,561,222, July 17.
Electrolytic surface treatment of germanium. R. B. Gibney. 2,560,792, July 17.
Electromagnetic drive apparatus. H. J. Findley. 2,560,940, July 17.
Electromagnetic-horn apparatus. W. L. Barrow. 2,560,541, July 17.
Electronic control circuit. L. H. Good 2,560,640, July 17.
Electroplating copper clad stainless steel cooking vessels. H. J. Lee. 2,560,966, July 17.
Elevator, Portable freight. S. G. Stokes. 2,561,242, July 17.
Emergency means for supplying fuel to internal-combustion engines. J. A. Smit. 2,561,238, July 17.
Engine: *See*—
  Counterbalanced and counteraction internal-combustion engine.
Expansion unit to compensate for temperature changes in a vehicle hydraulic drive system. W. E. Beaman. 2,561,167, July 17.
Explosive pulverization. W. E. Lobo. 2,560,807, July 17.
Extraction of oleiferous materials. J. T. Dickinson. 2,560,935, July 17.
Extrusion apparatus for covering cores. A. B. F. G. Richardson. E. Tunnicliff and I. K. Fisher. 2,560,778, July 17.
Face powder box. B. B. Wheeler and R. V. Burdick, Jr. 2,560,675, July 17.
Fastener. F. K. Knohl. 2,560,961, July 17.
Feed for ruminant animals. C. W. Turner. 2,560,830, July 17.
Feeder: *See*—
  Poultry and live stock feeder.
Feeding mechanism for sewing machines. A. N. Hale. 2,561,310, July 17.
Fender and fender shield construction. G. W. Schatzman. 2,560,601, July 17.
Fertilizer distributor with plural outlets closed by a common gate equipped with an additional closure for each outlet. R. C. Moore, Sr. 2,560,732, July 17.
File, Catologue. J. A. Gibson. 2,560,721, July 17.
Film containing magazine and film handling apparatus. W. D. Foster and O. W. Wilson. 2,560,564, July 17.
Finely divided amorphous silica, Production of. J. F. Hazel. 2,561,304, July 17.
Finishing method and apparatus. W. T. Stanley. 2,561,037, July 17.
Fish catcher. C. W. Knott. 2,560,875, July 17.
Fish curing apparatus. A. J. Wilson. 2,560,677, July 17.
Fishhook disgorger. C. A. Lawrence. 2,561,281, July 17.
Fish lure retrieving device. L. J. Hansen. 2,560,723, July 17.
Fish lure swivel. A. R. Seaton. 2,561,144, July 17.
Fishing appliance. W. R. Teel. 2,560,905, July 17.
Fishing bait. M. C. Williams. 2,560,835, July 17.
Fishing device. A. C. Shafer. 2,561,237, July 17.
Fishing lure. J. W. Morris. 2,560,733, July 17.
Fishing rod holder. O. Brooks. 2,561,046, July 17.
Flashlight oil tester. J. W. Sherrill and L. G. Alexander, 2,561,074, July 17.
Flexible drive coupling. J. F. Hoffer. 2,561,117, July 17.
Flexible rotary agitator for hoppers with variable eccentric mountings and spaced weights. E. F. Wolf and H. L. von Hohenleiten. 2,561,258, July 17.
Flexible shaft coupling. H. L. Hartzell. 2,560,644, July 17.
Floor maintenance machine. W. E. Holt. 2,561,279, July 17.
Fluid passage, Adjustable. R. S. Colley. 2,560,634, July 17.
Fluid pressure actuated multiple arm pressure clamp. S. R. Smith. 2,560,902, July 17.
Fluorine compounds, Preparation of. R. C. Arnold. 2,560,838, July 17.
Flush tank. P. Cole. 2,560,532, July 17.
Foot-operated switch. H. M. Keckley. 2,560,873, July 17.
Footrail, Manually adjustable. A. B. Bell. 2,561,091, July 17.
Foot ventilating shoe. B. W. Oltrogge. 2,560,591, July 17.
Form for examining and finishing stockings. M. Kohlsdorf. 2,561,210, July 17.
Forming bracket units. R. H. Wright and D. G. Haight. 2,560,786, July 17.
Forming test specimens of molding sand and the like, Method and apparatus for. H. W. Dietert. 2,561,266, July 27.
Forming turbine rotors. W. N. Martin and J. Y. Riedel. 2,560,973, July 17.
4-tertiary-butyl-3-methylphenol, Producing. D. R. Stevens and R. S. Bowman. 2,560,666, July 17.

Frame: *See*—
Adjustable window frame. Swing frame.
Frame for shelves, Suspension. O. H. Lundqvist. 2,560,880, July 17.
Frequency modulation transformer loading circuit. W. R. Koch. 2,561,058, July 17.
Fuel composition. W. A. Schulze and J. E. Mahan. 2,560,602, July 17.
Fuel composition. W. A. Schulze and J. E. Mahan. 2,560,898, July 17.
Fuel feeding control means responsive to air blower pressure. A. K. Foulds. 2,561,106, July 17.
Fuel injection mechanism. L. E. Johnson. 2,560,799, July 17.
Furnace construction involving removable combustion chamber housing. J. A. Dahlstrom. 2,561,100, July 17.
Galloping horse. F. J. Weglarz. 2,561,301, July 17.
Game device, Educational. T. Higgins. 2,560,647, July 17.
Gamma-ferric oxide hydrate and gamma-ferric oxide, Production of. J. Martin. 2,560,970–1, July 17.
Garment container. C. D. Fallert. 2,561,053, July 17.
Gas clearing apparatus. L. A. Conyers. 2,560,635, July 17.
Gas turbine. W. L. Wuehr. 2,561,005, July 17.
Gasoline operated pneumatic tool. H. C. Dearborn. 2,560,559, July 17.
Gatherer for corn pickers, Endless chain. H. J. Kuhlman. 2,560,801, July 17.
Gauge: *See*—
Electric pressure gauge. Pressure gauge.
Height gauge.
Gauge. A. B. Hawkins. 2,560,571, July 17.
Gauge for buttonholes, Spacing. D. L. Singer. 2,560,705, July 17.
Gauge for external screw threads, Pitch diameter. C. A. Mundel. 2,560,589, July 17.
Gauge for rip saws. R. Stone. 2,560,996, July 17.
Gear: *See*—
Cushioned gear. Reversing gear.
Reverse gear.
Gear for airplanes, Cross-wind landing. G. Sievers. 2,560,747, July 17.
Geared adjustment means. H. W. Gegenheimer. 2,561,018, July 17.
Generator: *See*—
Ozone generator.
Generator cooling system. R. E. Sears. 2,560,784, July 17.
Glass cleaner. J. E. Spearman. 2,561,240, July 17.
Glass-to-metal seal, Making a. J. A. Pask and J. E. Schiveree. 2,560,593, July 17.
Glutamic acid monoesters, Preparing. C. W. Waller and J. C. Paterson. 2,561,323, July 17.
Grain drill. E. E. Schnell. 2,561,236, July 17.
Grape cutter. W. Way. 2,561,082, July 17.
Grapple. C. M. Hearn. 2,560,863, July 17.
Grille, Laminar counterflow. R. R. Lambert. 2,560,802, July 17.
Grinding machine, Valve. S. J. Petersen. 2,560,816, July 17.
Grinding, Method and apparatus for. J. C. Wilson and W. G. Baldenhofer. 2,561,004, July 17.
Gripper for the tops of bags, sacks, and the like. H. Anderson. 2,561,306, July 17.
Gripping or lifting means. L. Eastlund. 2,560,936, July 17.
Group selection control circuit. M. den Hertog. 2,561,051, July 17.
Grouting process and apparatus. L. S. Wertz. 2,560,619, July 17.
Guide rod for small grain elevators. M. W. Roscoe and R. L. Beldin. 2,560,823, July 17.
Gun synchronizing apparatus. S. J. Barr. 2,560,540, July 17.
Halogen-containing resins, Stabilized. M. Baer. 2,561,044, July 17.
Hand-manipulated fur treating tool. S. Friedman. 2,560,943, July 17.
Handle for lawnmowers and the like. M. D. Burrows and E. L. Boyce. 2,561,008, July 17.
Hanger: *See*—
Clothes hanger.
Hanger. J. A. and A. D. Carpenter. 2,560,845, July 17.
Harrow, Rotary circular. E. S. Thompson. 2,560,909, July 17.
Harvester for tobacco. M. D. Lynn and R. D. Burkett. 2,560,729, July 17.
Harvester, Stripper type cotton. H. D. May. 2,560,974, July 17.
Hassock and manufacturing the same. A. Wilson. 2,560,785, July 17.
Headlight. C. Odds. 2,561,033, July 17.
Headlight dimming apparatus, Automatic. L. M. Silva. 2,560,748, July 17.
Head rest, Adjustable. C. W. Brown. 2,560,925, July 17.
Heater: *See*—
Water heater.
Heat exchanger in refrigeration system, Secondary. A. S. and R. J. Limpert. 2,561,305, July 17.
Heat motor follow-up system. R. J. Kutzler. 2,560,651, July 17.
Heater for lubricants. D. E. Harris. 2,560,795, July 17.
Heater for oil well tubing. D. E. Tomlinson. 2,561,249, July 17.
Heating apparatus. T. J. Payant. 2,561,290, July 17.
Heating apparatus, Waveguide dielectric. K. J. Stiefel. 2,560,903, July 17.
Height gauge. P. Aiken. 2,561,164, July 17.
Hemimercaptals. F. Klpnis and J. Ornfelt. 2,560,531, July 17.
Hitch. E. S. Thompson. 2,560,908, July 17.
Holder: *See*—
Fishing rod holder. Soap holder.
Necktie knot holder.
Holder for subcutaneous administration of medicaments. H. C. Prisk. 2,561,071, July 17.
Hollow and channel building block. W. H. Miller. 2,560,731, July 17.
Hook: *See*—
Safety hook. Snap hook.
Hose for dispensing pumps, Self-coiling flexible. E. E. Eickmeyer and H. E. Butler. 2,560,853, July 17.
Hosiery package. D. Hahn. 2,561,112, July 17.
Hospital bed patient bathtub chair. F. O. Thompson. 2,560,997, July 17.
Hydraulic brake lining protector. R. A. Patterson. 2,560,977, July 17.
Hydraulic torque wrench. W. J. Bortle and C. E. Ranshaw. 2,560,716, July 17.
Hydraulic valve. J. W. Bishop. 2,560,841, July 17.
Hydraulic weighing cell. M. C. Tate. 2,561,321, July 17.
Hydrogenated dicyclopentadiene insecticide. A. R. Kittleson and L. A. Mikeska. 2,561,209, July 17.
Hydrogenation of oxides of carbon to produce high boiling alcohols and liquid hydrocarbons. S. B. Sweetser. 2,561,244, July 17.
Ice tray supporting assembly for refrigerators. W. P. Hill. 2,561,277, July 17.
Implement, Fish holding. A. Y. Leslie. 2,561,283, July 17.
Indicator: *See*—
Defrosting indicator.
Indicator for radio object locators, Visible. J. R. Pierce. 2,560,818, July 17.
Inks, Quick-drying writing. R. L. Mayhew. 2,560,881, July 17.
Inrush electric current control circuit recloser. E. O. Painter. 2,561,287, July 17.
Insecticidal and fungicidal spray oil. C. J. Boissonou and W. J. Yates. 2,560,626, July 17.
Instrument for measuring, Interpolating, and the like. H. J. Gerber. 2,561,020, July 17.
Instrument for ship zigzag operations. J. M. Ocker. 2,560,590, July 17.
Instrument, Lettering. O. A. Olson. 2,560,736, July 17.
Instrument, Solar navigating. E. H. Wenberg. 2,560,618, July 17.
Insulation cutter. J. F. Costelow. 2,561,099, July 17.
Insulator support. C. Homann. 2,561,311, July 17.
Intermittent film advancing mechanism utilizing air pressure. A. V. Bedford and R. C. Ballard. 2,560,918, July 17.
Intermittent film advancing mechanism utilizing air pressure. A. V. Bedford. 2,560,919, July 17.
Internal-combustion rammer. V. W. Breitenstein and E. R. Boddinghouse. 2,561,093, July 17.
Internal gas burner. A. A. Furczyk. 2,561,194, July 17.
Internal gas burner. F. O. Hess. 2,561,200, July 17.
Ironing board. P. F. Dahlstrom. 2,560,849, July 17.
Irrigation line, Self-draining. W. H. Stout. 2,561,296, July 17.
Jack. M. W. Humphreys. 2,560,797, July 17.
Kennel closure. C. E. Poovey. 2,560,661, July 17.
Key container. J. J. Poncar. 2,560,595, July 17.
Knitting girdles. G. Lacks. 2,560,580, July 17.
Knitting machine. J. J. Parés and S. S. Daroca. 2,560,872, July 17.
Ladling device. R. M. Shultz. 2,560,900, July 17.
Laminated products and adhesive compositions of matter. C. J. Mighton. 2,561,215, July 17.
Lamp: *See*—
Photoflash lamp.
Lamp electrode. H. H. Chun and H. H. Homer. 2,560,933, July 17.
Lamp for therapeutic treatments. F. Landauer. 2,560,652, July 17.
Latch: *See*—
Refrigerator latch.
Latching, and locking means for tail gates, Suspending. E. W. Vars. 2,561,081, July 17.
Laundry machine construction including a diaphragm extractor. J. F. Horvath. 2,561,120, July 17.
Laundry machine of the squeezer type, Automatic. J. F. Horvath. 2,561,119, July 17.
Lawn mower, Electrically operated. O. E. Ross. 2,561,293, July 17.
Layout fixture for cutting operations on wooden trim. J. Bollons. 2,560,756, July 17.
Lead cutting tool. R. V. Drake. 2,561,185, July 17.
Lid, Journal box. G. B. Dorey. 2,561,052, July 17.
Lighter, Liquefied petroleum gas. P. W. Felt. 2,561,270, July 17.
Lighting attachment for telephones. M. K. Laporte. 2,560,653, July 17.

Limit control. H. E. Hodgson and R. R. Ranson. 2,561,054, July 17.
Livestock prod. J. Juergens. 2,561,122, July 17.
Loader for vehicles, Overhead. T. E. Westall. 2,560,674, July 17.
Location of conducting and/or magnetic bodies. S. Whitehead and B. Rosenblum. 2,560,834, July 17.
Lock: *See*—
Electric door lock. Window ventilating lock.
Lock and brake mechanism, Tractor-trailer safety. G. P. Knudsen. 2,560,769, July 17.
Lock sling. W. D. Bartlett. 2,560,624, July 17.
Locking arrangement for screws. F. Pischek, E. N. Nagle, and A. Z. P. Anchorena. 2,561,224, July 17.
Locomotive. F. N. Emory. 2,561,269, July 17.
Longchain esters and nitriles, Preparation of. D. C. Pease. 2,561,068, July 17.
Lounge chair. J. G. Rideout. 2,560,985, July 17.
Lubricant seal. C. N. Hebinger. 2,560,917, July 17.
Machine for and method of registering printing plates. E. L. Harley. 2,561,115, July 17.
Machine for manufacturing binding tapes or ties. B. Boersma and J. S. Robinson. 2,560,923, July 17.
Machine for molding sour rye dough. C. Hettinger. 2,560,864, July 17.
Machine for packaging pipe cleaners and the like. C. T. Gould. 2,561,271, July 17.
Machine for packing celery bunches in trenches. A. Towe. 2,560,750, July 17.
Machine tool. M. S. Curtis. 2,560,686, July 17.
Machine tool. E. J. Robichaud. 2,561,035, July 17.
Magazine pencil, Multicolor. V. Votruba. 2,560,832, July 17.
Magnetic bobbin holding means. A. W. Thomas, Jr., and N. F. Gubitose. 2,561,155, July 17.
Magnetic core. E. D. Treanor. 2,561,250, July 17.
Magnetic rotor operated switch. J. H. Nilson and V. C. Westberg. 2,560,814, July 17.
Mailbox with transparent auxiliary receptacle. C. W. Bierig. 2,561,007, July 17.
Making last blocks. R. H. Schlueter. 2,560,992, July 17.
Making pellets. R. S. Hood. 2,561,055, July 17.
Making pressure sensitive labels. E. D. Graves and M. McDougal. 2,560,566, July 17.
Making seamless pipe elbows. W. S. Robinson. 2,560,822, July 17.
Manipulation of fluent solids. H. A. Shabaker. 2,560,604, July 17.
Measurement and actuation device. V. C. V. Weyant. 2,560,754, July 17.
Measuring and controlling apparatus. J. C. Mouzon. 2,560,734, July 17.
Measuring device, including a water load, High-frequency power. C. F. Althouse. 2,560,536, July 17.
Meat substitute and making same. C. L. Wrenshall. 2,560,621, July 17.
Mechanism for cracking nuts. E. H. Bickley. 2,561,170, July 17.
Mechanism for forming indentations in moving rods of plastic material. A. G. Rose. 2,561,231, July 17.
Mending knitted fabrics formed of thermoplastic thread. A. T. McMain, N. A. Malesky, and M. F. Skaggs. 2,560,635, July 17.
Merchandise display device and/or package. M. J. Ferguson. 2,560,761, July 17.
Metal and rubber structure, Combination. A. Boschi. 2,560,627, July 17.
Metal faced building block. A. E. Chester. 2,561,095, July 17.
Metal seamless tube table. S. Victor. 2,561,322, July 17.
Metal slug resonator. B. R. Gossick. 2,560,946, July 17.
Meter: *See*—
Oscillating piston meter.
Metering system, Differential pressure. L. S. Hannibal and J. R. Turner. 2,560,948, July 17.
Micrometer, Tactual. O. E. Day. 2,560,850, July 17.
Microphone and switch, Combined. R. L. Stone and F. E. Runge. 2,561,320, July 17.
Microphone, Piezoelectric. P. B. Wickham and S. A. Johnston. 2,561,084, July 17.
Microwave hybrid branching systems. W. D. Lewis. 2,561,212, July 17.
Mill drive, Reducing. G. B. Coe. 2,560,934, July 17.
Mill roll stand. K. Sieg. 2,561,146, July 17.
Mill with peripheral screening and lifting bays, Horizontal axis ball. J. B. Martin. 2,560,972, July 17.
Mineral oil compositions containing petroleum wax carboxylic acids. F. P. Richter. 2,560,986, July 17.
Mineral oil compositions containing polymers of thiophene. G. C. Johnson. 2,560,956, July 17.
Mineral oil containing polymers of esters of fumaric acid. J. C. Munday and D. T. Rogers. 2,560,588, July 17.
Mirror for use in determining color contrast. W. H. Harrison. 2,560,724, July 17.
Mixing cement composition. G. H. Johnson and R. C. Higgins. 2,560,871, July 17.
Mixture for controlling properties of drill fluids. N. O. Campise. 2,560,930, July 17.
Modifying, solidifying, and insolubilizing asphalts. M. Kronstein. 2,560,650, July 17.
Modulating the high-frequency energy transmitted in hollow dielectric guides. H. Gutton and A. J. Ortusi. 2,560,859, July 17.
Mold and prolonging the life thereof, Bending. J. D. Ryan. 2,560,599, July 17.
Mold cooling system for typograph al casting machines. J. H. Hilpman. 2,560,648, July 17.
Molded fibre article. M. P. Chaplin. 2,560,847, July 17.
Molding apparatus. B. H. Scott. 2,560,783, July 17.
Molding machine, Concrete block. W. V. Godefroid. 2,560,722, July 17.
Mop cleaning attachment. E. J. Franta. 2,560,856, July 17.
Mortar sight. G. L. Herter. 2,560,574, July 17.
Motor control system for deodorizing devices. C. Pfeifer. 2,560,817, July 17.
Motor control, Two-phase induction. R. A. Runyan. 2,561,319, July 17.
Motor speed control, Induction. G. Koehler. 2,560,698, July 17.
Motor system and cooling means for the pump thereof, Hydraulic. T. F. Stacy. 2,560,749, July 17.
Motor with concentrically disposed heat exchange components, Hot gas. H. Rinia and F. L. van Weenen. 2,560,987, July 17.
Mounting: *See*—
Roll-shear vibration isola- Wheel cover mounting.
tion mounting.
Mounting and operating the slats in Venetian blinds. D. R. Barnes, Sr. 2,560,840, July 17.
Mounting for tractors, Front wheel. J. O. Hardin, Jr. 2,561,114, July 17.
Multicontact semiconductor devices. J. Kurshan. 2,561,123, July 17.
Multijet oil burner. A. J. Fisher. 2,560,941, July 17.
Multiplying machine, Automatic. S. Toorell and E. Grip. 2,560,910, July 17.
Multipurpose camera support. N. J. Creedon. 2,560,556, July 17.
Multiuse folding table. A. M. Zalkind. 2,560,679, July 17.
Multivibrator, Stabilized. C. H. Hoeppner. 2,560,576, July 17.
N-carboanhydrides. R. N. MacDonald. 2,560,584, July 17.
Nail with spreading points. R. L. Hallock. 2,560,643, July 17.
Necktie knot form. H. E. Hanson. 2,560,861, July 17.
Necktie knot holder. C. L. Wilson. 2,561,003, July 17.
Nozzle, Water-cooled generator spray. P. L. Symons. 2,561,038, July 17.
O-cresol derivatives, Production of. J. D. Head. 2,560,950, July 17.
Obtaining a 5-phenyl-5-lower alkyl hydantoin. L. M. Long. 2,561,284, July 17.
Obtaining stereoscopic drawings, Process and projection means for. E. J. Pareto. 2,560,658, July 17.
Oil and dirt seal, End face. G. W. Curtis. 2,560,557, July 17.
Oil burner for heating purposes, Gasifying. G. M. Burgess. 2,561,264, July 17.
Oil-soluble copolymers, Unsaturated. T. P. Malinowski. 2,561,313, July 17.
Oil vapor pump. K. C. D. Hickman and G. A. Kuipers. 2,560,646, July 17.
Oiling system, Wool. R. R. Harmon. 2,560,949, July 17.
Opener, Powered can. G. A. Policastro. 2,560,983, July 17.
Operating a continuous electroplating system. O. E. Adler. 2,560,534, July 17.
Optical system for facsimile scanners, Dual beam. L. C. Walker. 2,560,614, July 17.
Organipolysiloxanes. C. A. Burkhard. 2,561,178, July 17.
Oscillating piston meter. H. E. Kampf. 2,561,280, July 17.
Overload release coupling. M. A. Richardson. 2,561,136, July 17.
Overvoltage protector. R. L. Brown. 2,560,628–30, July 17.
Ozone generator. J. M. Daily. 2,561,014, July 17.
Packing swing. D. M. Yaupp. 2,561,260, July 17.
Paint applicator. S. Whitlow. 2,561,162, July 17.
Parachute initial peak load reducer. D. B. Doolittle. 2,560,637, July 17.
Parka. T. Rinis. 2,560,598, July 17.
Peener, Rotary. C. L. Dewey. 2,561,101, July 17.
Pen, Ball-pointed. H. D. Morris. 2,560,810–11, July 17.
Pencil, Gravity and inertia fed. H. T. Hallberg. 2,561,113, July 17.
Periodic interrupter for direction signals with voltage compensation. B. F. Bailey. 2,560,539, July 17.
Phase inverter circuit. H. A. Broos. 2,561,047, July 17.
Photoelectric modulator. A. Nyman. 2,561,219, July 17.
Photoflash lamp. F. G. Brockman. 2,560,924, July 17.
Photoprinting apparatus. W. C. Huebner. 2,560,696, July 17.
Photoresistive translating device. J. N. Shive. 2,560,606, July 17.
Pipe anchor. M. S. Johnson and G. F. Oakley. 2,561,121, July 17.
Pipe-cutting machine. M. C. Patterson, Jr. 2,560,738, July 17.
Piston ring. E. R. Olsen. 2,560,775, July 17.
Piston ring. T. Stevenson. 2,560,667–8, July 17.
Piston ring splitting and trimming machine. A. H. Bates. 2,560,549, July 17.
Planter marker. E. W. Todd. 2,561,078, July 17.

Plasticized rubbery copolymer of isobutylene and isoprene. W. C. Smith. 2,561,239, July 17.
Plate, Refreshment. E. C. Jones. 2,561,022, July 17.
Plug: *See*—
Cementing plug.
Plug for keyholes, Lock-guarding. G. S. Mason. 2,561,029, July 17.
Pneumatic-hydraulic system for well pumping or drilling units. C. W. White. 2,560,676, July 17.
Polyethylene polyamine activated organic peroxide catalyzed synthetic rubber emulsion polymerizations. R. L. Provost. 2,560,741, July 17.
Polymerizing olefins at subatmospheric temperatures. J. M. Powers. 2,561,226, July 17.
Polyvinyl formal resin, Plasticized. W. R. Richard. 2,561,314–15, July 17.
Pouch, Tobacco. H. G. Allen. 2,560,535, July 17.
Poultry and live stock feeder. F. L. Spivey. 2,560,828, July 17.
Power plant, Electrically operated. J. S. Oropeza. 2,561,131, July 17.
Power plant, including normally contrarotating turbine elements for driving a load shaft and means for rotating said elements in the same direction when the turbine is idling. K. Baumann. 2,561,090, July 17.
Power transmission. W. P. Schmitter. 2,560,990, July 17.
Precision mount for magnetic recording-reproducing heads. D. G. C. Hare. 2,560,569, July 17.
Preservation of latex. C. E. Rhines. 2,560,743, July 17.
Preserving eggs. C. Ross. 2,561,137, July 17.
Press: *See*—
Earth-pot press.
Presser, Garment. M. M. Berger. 2,560,920, July 17.
Pressure casting apparatus. W. R. Ling. 2,561,062, July 17.
Pressure gauge. L. D. Johnson. 2,561,204, July 17.
Prevention of fogging of transparent packages. C. M. Carson. 2,561,010, July 17.
Processing lubricating oil by solvent-extraction and treating with a phosphorus sulfide and clay and the resulting products. J. D. Bartleson. 2,560,545, July 17.
Processing lubricating oil by treating with a phosphorus sulfide and the resulting products. J. D. Bartleson. 2,560,543, July 17.
Processing lubricating oil by treating with sulfuric acid, a phosphorus sulfide and a base and the resulting products. J. D. Bartleson. 2,560,547, July 17.
Processing lubricating oil by treating with sulfuric acid, a phosphorus sulfide and clay, and the resulting product. J. D. Bartleson. 2,560,544, July 17.
Processing solvent-extracted lubricating oil by treating with a phosphorus sulfide, a base and clay and the resulting products. J. D. Bartleson. 2,560,548, July 17.
Processing solvent-extracted lubricating oil by treating with phosphorus pentasulfide and a base and the resulting products. J. D. Bartleson. 2,560,546, July 17.
Producing glass articles, Method and apparatus for. A. J. Throm. 2,561,247, July 17.
Producing vacua. P. Alexander. 2,560,913, July 17.
Program-timing mechanism. H. F. Elliott. 2,561,187, July 17.
Proportional divider. J. F. Joy. 2,560,697, July 17.
Protection of low-frequency amplifier or output tubes against overload. P. K. Buys and J. M. Cluwen. 2,561,049, July 17.
Protector: *See*—
Hydraulic brake lining protector.
Overvoltage protector.
Single sheet shirt protector.
Windshield protector.
Pteridines and obtaining the same, Substituted. E. L. Wittle and G. W. Moersch. 2,561,302, July 17.
Pteridines, Preparing. D. I. Weisblat and A. R. Hanze. 2,560,616, July 17.
Pulse timing circuit. A. F. Bischoff. 2,561,172, July 17.
Pump: *See*—
Oil vapor pump.
Triple capacity plunger pump.
Pump. R. H. Dickinson. 2,560,851, July 17.
Pump and motor hydraulic transmission with automatic speed control means, Rotary. G. A. Kane. 2,561,023, July 17.
Purifying rosin. W. G. Knox and G. L. Denlston. 2,560,876, July 17.
Pushing and driving mechanism for toys. M. Ernst. 2,560,938, July 17.
Pyrometer, Radiation. D. G. Tilton. 2,561,077, July 17.
Quantitative gas measuring. E. W. Herold. 2,560,952, July 17.
Rack pocket, Display. H. J. Rubenstein. 2,560,896, July 17.
Radial roller bearing. W. G. Forkey. 2,561,105, July 17.
Radio program selection system. J. H. Landella. 2,560,803, July 17.
Radio transmitting and receiving combination. F. M. Davis. 2,560,558, July 17.
Range and direction finder. R. E. Miller. 2,560,587, July 17.
Rasp loading fixture. P. C. Neilsen. 2,560,735, July 17.
Ratio detector, Frequency modulation. E. I. Anderson. 2,561,089, July 17.
Razor, Safety. E. J. Gray. 2,561,110, July 17.
Reaction of allyl ethers with aldehydes to produce ketones. E. C. Ladd. 2,560,770, July 17.
Reamer attachment for hacksaws. E. E. Caster. 2,560,846, July 17.
Reciprocating sheet feeding device. O. K. Peckham. 2,561,223, July 17.
Recovery of streptomycin from naphthol blue-black salt. P. P. Regna and I. A. Solomons, III. 2,560,890, July 17.
Recovery of streptomycin from orange II salt. P. P. Regna and I. A. Solomons, III. 2,560,889, July 17.
Reduction of drag of and propulsion of aerodynamic or hydrodynamic bodies. F. Whittle. 2,561,303, July 17.
Reduction of organic nitro compounds to amines. P. C. Condit. 2,560,555, July 17.
Reel. W. C. Panzer. 2,561,288, July 17.
Reflector, Emergency highway warning. R. N. Bompart. 2,561,173, July 17.
Refrigerating apparatus, Removable. W. P. Hill. 2,561,278, July 17.
Refrigerating system using multiple stages of generation, Multitemperature absorption. C. C. Coons. 2,560,790, July 17.
Refrigerator latch. F. M. Hogg. 2,561,201, July 17.
Regulation of an assembly of electric generating units. P. Almeras. 2,560,914, July 17.
Regulator: *See*—
Window regulator.
Removing metallic coatings, Composition for and process of. W. R. Meyer. 2,561,065, July 17.
Resilient drive coupling. L. S. King. 2,560,958, July 17.
Reverse gear. T. L. Fawick. 2,561,104, July 17.
Reversing gear. T. Hindmarch. 2,560,865, July 17.
Ring: *See*—
Piston ring.
Riveting device with pressure and striker elements. E. M. Arthur. 2,560,623, July 17.
Rod: *See*—
Curtain rod.
Roll-shear vibration isolation mounting. B. B. Whittam. 2,560,620, July 17.
Roller mill with pivoted roll support. C. J. Alciati and A. J. Andersen. 2,560,837, July 17.
Roof drain, Floating. E. E. Michaels. 2,560,586, July 17.
Rotary seal, Nonleaking. J. J. Piros. 2,560,660, July 17.
Rotating atomizing cup burner. A. M. I. Hoogendam. 2,560,866, July 17.
Rotating pedestal table. A. H. Payeur. 2,560,659, July 17.
Rotor and rotor blade control apparatus for helicopters. W. Brzozowski. 2,560,682, July 17.
Rotor impregnating machine. W. F. Bell. 2,561,092, July 17.
Roundabout, Occupant propelled. H. Sebel. 2,560,703, July 17.
Rubber hydrochloride film and making it, Nonfogging. C. M. Carson. 2,561,011, July 17.
Safety device for mine cages and the like. A. W. Lancaster. 2,561,060, July 17.
Safety hook. C. K. Garrison. 2,561,017, July 17.
Sailing craft. W. W. Wells-Coates. 2,561,253, July 17.
Sand dispenser. B. S. Snow. 2,561,148, July 17.
Sash construction. H. A. Schiessl. 2,561,142, July 17.
Saw attachment for tractors, Tree-felling and log-cutting. G. A. Goodlet. 2,560,641, July 17.
Scanning system for motion picture films. G. E. Sleeper, Jr. 2,560,994, July 17.
Scoreboard, Cribbage. A. G. Lupton. 2,560,583, July 17.
Scraper. B. B. Yanzito. 2,561,259, July 17.
Screen with lock joints, Wood. R. Kaspar. 2,561,206, July 17.
Screw driver, Expanding bit. G. Aitto. 2,560,912, July 17.
Seal and making the seal, Glass-to-metal. J. B. Leuzarder, J. J. Aakjer, and W. J. Knochel. 2,561,061, July 17.
Seal with O ring, Rotary. F. E. Payne. 2,561,132, July 17.
Seat roll construction fixture. G. L. Gerber. 2,561,108, July 17.
Seeder, Tractor-mounted broadcast. C. E. Weeks. 2,561,002, July 17.
Seismic underwater prospecting, Method and apparatus for. P. P. Gaby. 2,561,309, July 17.
Self-locking clutch. C. E. Walton. 2,561,139, July 17.
Semiconductor device. L. J. Giacoletto. 2,561,109, July 17.
Semiconductor translator and making it. G. L. Pearson. 2,560,594, July 17.
Semistiff walled toilet case. B. A. Arnold and E. K. Renz. 2,561,042, July 17.
Separating high condensation point materials from hydrocarbons. G. E. Hays. 2,560,645, July 17.
Separating materials, Method and apparatus for. H. K. Martin. 2,560,809, July 17.
Sequence actuator for switches. W. A. Lauder. 2,560,964, July 17.
Servomotor, Pressure fluid. A. J. Nelson. 2,560,813, July 17.
Shade cover. A. H. Le Blanc. 2,561,024, July 17.
Sharp frequency discriminator. R. Crane, Jr. 2,561,182, July 17.
Sheet collating mechanism. T. E. Phythian. 2,561,070, July 17.

Sheet delivery control for cutoff mechanisms. W. H. Cleaver. 2,561,097, July 17.
Sheet feeding apparatus. L. H. Morse. 2,561,030, July 17.
Sheet feeding mechanism for printing presses. W. W. Davidson. 2,561,015, July 17.
Sheet metal cutter. R. Vosen and E. Philippi. 2,560,673, July 17.
Sheet-metal oven gas burner. H. M. Reeves. 2,560,777, July 17.
Shelf structure, Knockdown. J. H. Johnson. 2,560,957, July 17.
Shield, Eye. H. Vaca. 2,560,669, July 17.
Shielding shoe for drums and similar filters. N. G. Leffler. 2,560,581, July 17.
Shielding shoe for filters. N. G. Leffler. 2,561,282, July 17.
Shoe press last structure. E. Dunford. 2,560,533, July 17.
Shuttle changer for double fabric looms, Automatic. B. J. M. A. Delaroiere. 2,560,687, July 17.
Sign. O. I. Davis. 2,560,719, July 17.
Signal: *See*—
Directional signal.
Signal amplitude controlling transformer loading circuit, M. S. Corrington. 2,561,059, July 17.
Signal to voltage translating devices, Cathode-ray. B. McMillan. 2,560,585, July 17.
Signaling system, Multichannel pulse. M. M. Levy. 2,560,772, July 17.
Silicon-containing rubber compositions. A. J. Barry. 2,561,177, July 17.
Simulated flower with thermostatic action. J. O. Muir. 2,561,217, July 17.
Single sheet shirt protector. V. Akers. 2,560,710, July 17.
Ski. C. J. Hickman. 2,560,693, July 17.
Ski and its manufacture. A. Rossignol. 2,560,663, July 17.
Slicing machine food pusher. A. van Duyn. 2,560,670–1, July 17.
Slip-seat for high chairs. W. E. Titus. 2,560,708, July 17.
Slub catcher. P. B. Lewis. 2,561,126, July 17.
Snap fastener display card. R. C. Chapman and W. W. Borowy. 2,560,932, July 17.
Snap hook. E. T. Blazewicz. 2,560,550, July 17.
Snow and dirt moving and terracing attachment for tractors. B. F. Arps. 2,560,711, July 17.
Soap holder. I. Morse. 2,560,699, July 17.
Socket, Embedded screw-threaded. H. P. Henderson and P. Kaplan. 2,560,951, July 17.
Socket for fluorescent light tubes, Telescoping. G. B. Kurtzon. 2,560,877, July 17.
Soldering fixture. M. C. Gauthier. 2,561,196, July 17.
Soldering gun. J. L. Cairi. 2,560,552, July 17.
Soleplate and cover for electric flatirons, Block. F. E. Finlayson. 2,561,189, July 17.
Sols. H. M. Stark. 2,560,707, July 17.
Soluble binary copolymers of allylic monoethers and poly-2-alkenyl esters. P. O. Tawney. 2,561,153, July 17.
Soluble ternary copolymers of styrene, allylic poly-2-alkenyl esters, and allylic monoethers. P. O. Tawney. 2,561,154, July 17.
Solvent extraction of butanolones from water. E. Bergmann. 2,560,921, July 17.
Solvent refining of wax-containing mixtures. E. W. and N. J. Clarke. 2,561,096, July 17.
Sound recording and reproducing. G. Clutier and M. Assada. 2,561,181, July 17.
Speed responsive pressure fluid servomotor. B. O. Burritt. 2,560,758, July 17.
Spout, Pouring. A. W. Peters. 2,560,776, July 17.
Spraying apparatus for spraying moving plates. R. L. Griffin and N. Y. Moore. 2,561,198, July 17.
Spraying device. C. S. Meyerhoefer. 2,560,730, July 17.
Spraying device, Paint. A. W. Salstrom. 2,560,745, July 17.
Spring group. R. B. Cottrell. 2,561,308, July 17.
Sprinkler, Lawn. N. M. Rieger. 2,560,662, July 17.
Sprinkler system and electrical control therefor. H. N. Rider. 2,561,229, July 17.
Stabilizing catalytically cracked furnace distillates and compositions therefor. R. F. Stedman. 2,560,633, July 17.
Stabilizing cracked distillate. P. H. Carnell. 2,560,632, July 17.
Stage, Portable. C. W. Kyle and T. E. Holland. 2,560,878, July 17.
Stamped sheet metal molding clip. D. H. Waara. 2,561,006, July 17.
Stanchion, Safety. C. J. Ford and R. L. Miller. 2,561,016, July 17.
Stand: *See*—
Mill roll stand.
Starter. R. M. Nardone. 2,560,812, July 17.
Stator for universal electric motors. O. A. Doherty. 2,560,560, July 17.
Steam trap. J. Thomson. 2,561,246, July 17.
Stencil cutting device for photocomposing apparatus. M. E. Miller. 2,561,216, July 17.
Stone picker. L. E. Kellner. 2,561,207, July 17.
Stopper. C. Hoppes. 2,560,867, July 17.
Storing and dispensing device, Article. C. Bockius. 2,560,928, July 17.
Storm window sash adjuster. P. L. Adams, W. A. Norman, and C. K. Sitterly. 2,561,086, July 17.
Stove, Cooking. G. Klein. 2,560,959, July 17.
Suction cleaner. L. E. Segesman. 2,560,827, July 17.
Sump drain. A. A. Bamberger. 2,560,915, July 17.
Sunshade. J. A. Ghegan. 2,560,762, July 17.
Superregenerative radio apparatus. L. A. Mayberry. 2,561,128, July 17.
Support: *See*—
Adjustable blind and curtain support.
Insulator support.
Multipurpose camera support.
Support and making same, Collar. C. A. Calder. 2,560,684, July 17.
Support for babies, Bath. K. A. Holland, Sr. 2,560,575, July 17.
Surface wiping mechanism. C. R. Sacchini. 2,560,780, July 17.
Swimming trunks. M. F. Laszlo. 2,561,312, July 17.
Swing frame. S. Bender. 2,560,713, July 17.
Switch: *See*—
Electric switch.
Electrical switch.
Foot-operated switch.
Magnetic rotor operated switch.
Switch device. L. D. Boyce. 2,560,787, July 17.
Synthetic wax of the Carnauba type. S. P. Lovell. 2,560,773, July 17.
Syringe, Hypodermic. G. R. Ryan and F. H. Young. 2,561,233, July 17.
Syringe, Microchemist's. C. H. Hamilton. 2,561,273, July 17.
Table: *See*—
Metal seamless tube table.
Multiuse folding table.
Rotating pedestal table.
Vertically adjustable drop leaf table.
Tall oil, Making. R. W. Stephenson. 2,561,150, July 17.
Tank: *See*—
Battery plate forming tank.
Flush tank.
Tank unit. E. C. Bowar. 2,560,757, July 17.
Tape, Adhesive. D. McBurney and R. E. Thomas. 2,561,063, July 17.
Tape, Adhesive. A. B. Ness. 2,561,064, July 17.
Television inspection system. A. N. Goldsmith. 2,561,197, July 17.
Television receiver blanking circuit. B. M. Oliver. 2,560,815, July 17.
Tempering wheat. B. R. Warner. 2,560,615, July 17.
Tetrahydro pyran and furan derivatives and producing the same. J. W. Copenhaver. 2,561,307, July 17.
Thallium salts in photographic color developers. J. E. Bates. 2,561,166, July 17.
Thiocarbamic acid derivatives of alkylenebis (cyclohexyl amine). W. Kirk, Jr. 2,561,208, July 17.
Thiourea, Preparation of. R. E. Powers and J. Mitchell. 2,560,596, July 17.
Thread-cutting sheet metal nut. N. S. Sodders. 2,561,036, July 17.
Tile cutting machine. L. C. Brosemer. 2,560,843, July 17.
Timer, Automatic exposure. C. T. Zavales, F. J. Euler, Jr., and J. E. Kalstein. 2,561,085, July 17.
Timing system, Electronic. J. W. Dawson and D. P. Faulk. 2,560,720, July 17.
Tire tube. A. Van Hulzen. 2,560,609, July 17.
Tongs, Animal handling. L. C. Pofferberger and C. M. Senter. 2,560,982, July 17.
Tool: *See*—
Edging tool.
Gasoline operated pneumatic tool.
Hand-manipulated fur treating tool.
Lead cutting tool.
Machine tool.
Rotary abrading tool.
Wire stripping tool.
Tool for assembling radiator sections or the like. R. L. Calbeck. 2,560,929, July 17.
Tool for internal-combustion engines, Glaze breaking. J. Keiser. 2,560,727, July 17.
Tool for removing tire casings from rims, Pry. J. F. Neville. 2,560,885, July 17.
Toy airplane. S. E. Carney and C. H. Miriani. 2,561,179, July 17.
Toy, Rocking. C. N. Kornegay. 2,560,963, July 17.
Toy, Spin. C. M. Wagner. 2,560,833, July 17.
Toy with erratic steering means, Ambulant. O. J. Pèrez. 2,560,739, July 17.
Trailer lime spreader. L. J. Piouffe. 2,560,981, July 17.
Transformer. H. R. Brownell. 2,560,926, July 17.
Transmission. P. Orr. 2,560,886, July 17.
Transmission line attenuator. R. A. Dehn. 2,561,184, July 17.
Transmitter for automatic telephone systems, Impulse. J. Vanheerswynghels. 2,561,298, July 17.
Trap: *See*—
Steam trap.
Treating waste citrous liquors and the like. G. T. Reich. 2,561,072, July 17.
Treatment of pitches or tars and the manufacture of molded articles therefrom. C. D. Greaves and D. B. Smith. 2,560,642, July 17.
Trialkoxy paraffins as froth flotation frothing agents. J. H. P. van Aardt. 2,561,251, July 17.
Triaryl cyanurate, Preparing a. F. C. Schaefer. 2,560,824, July 17.
Triple capacity plunger pump. W. R. Reed. 2,561,227, July 17.

Truck, Industrial. D. N. Walker. 2,561,300, July 17.
Truck, Lift. G. F. Quayle. 2,560,819, July 17.
Tube: *See*—
Tire tube.
Tube splicing apparatus. E. D. George. 2,561,019, July 17.
2-hydroxymethyl-6-chlorothymol. H. E. Faith. 2,560,760, July 17.
2-methyl-5-benzoyl benzoxazole and cyclammonium salts thereof, Preparation of. J. C. Firestine. 2,561,190, July 17.
2-methyl-4-keto-3-substituted thiazolinium dye intermediates. T. R. Thompson and S. P. Popeck. 2,561,245, July 17.
2,2-methylenebis(4-chloro-6-acetamidophenol) and its production. H. E. Faith. 2,560,939, July 17.
Umbrella rib. J. Buono. 2,560,789, July 17.
Unitary Venetian blind bracket construction. H. H. Haynam. 2,560,765, July 17.
Unsaturated ether aldehydes and acetals thereof. R. R. Whetstone, C. W. Smith, and D. G. Norton. 2,561,254, July 17.
Upper tension device for sewing machines. M. G. Ivandick. 2,560,577, July 17.
Valve: *See*—
Hydraulic valve.
Valve. J. E. Looney. 2,561,028, July 17.
Valve for compressed air circuit breakers. H. Forwald. 2,561,192, July 17.
Valve for heating systems, Reducing and cutoff. A. Rogers. 2,561,316, July 17.
Valve operating means. L. H. Schmohl. 2,560,897, July 17.
Variable frequency counter. O. L. MacSorley. 2,560,988, July 17.
Variable frequency vibrating device. L. R. W. Liesch. 2,561,027, July 17.
Variable inductance for use on very high frequencies. V. J. Cooper. 2,560,685, July 17.
Variable reactance and control device comprising such a reactance. J. L. Arends and E. H. Hugenholtz. 2,561,041, July 17.
Variable resistor. Z. Hof. 2,561,116, July 17.
Variable resistor. C. F. Schaefer. 2,561,140, July 17.
Variable-speed drive. H. A. Schuricht. 2,560,991, July 17.
Vehicle body elevating and lowering means, Hydraulic. R. O. Bill. 2,560,714, July 17.
Vehicle body lift and hitch. S. D. Boggs, Jr., and R. R. Handelman. 2,560,625, July 17.
Vehicle spring suspension. M. Unzeitig. 2,560,999, July 17.
Vehicle with elevating and lowering body, Automotive. R. O. Bill. 2,560,715, July 17.
Venetian blind. W. B. Grogan. 2,560,858, July 17.
Venetian blind structure. E. E. Schaefer. 2,561,141, July 17.
Vertically adjustable drop-leaf table. H. H. Rieman and C. L. Gray. 2,560,821, July 17.
Vibrato apparatus. L. Hammond and J. M. Hanert. 2,560,568, July 17.
Vibrator and vacuum massage device, Combination. E. J. Phillips. 2,561,034, July 17.
Vinyl acetal resin stabilized with urea-formaldehyde reaction product. R. N. Crozier, E. Lavin, and A. T. Marinaro. 2,561,183, July 17.
Voltmeter, Electrostatically controlled diode. B. T. Carniol. 2,561,180, July 17.
Voting machine. A. N. Gustavson. 2,561,272, July 17.
Wagon, Automotive dump. R. G. Le Tourneau. 2,561,211, July 17.
Washer: *See*—
Baby mouth washer.
Washing machine. G. W. Dunham. 2,561,186, July 17.
Waste or garbage disposal apparatus. A. T. Keene. 2,560,578, July 17.
Water heater. V. L. Kilgore. 2,560,768, July 17.
Water-heating apparatus and control circuit for use in a beverage brewing system. H. W. Peters. 2,561,134, July 17.
Water level control means for automatic washing machine. C. J. Mahowald. 2,561,213, July 17.
Wave energy apparatus. R. Lee. 2,560,728, July 17.
Wave guide coupling. C. E. McClellan. 2,561,130, July 17.
Wax-coating beans and carrots. K. H. Recker. 2,560,820, July 17.
Waxing and polishing machine, Portable combined. M. Sears. 2,560,993, July 17.
Wear tester. W. B. Petkewicz. 2,561,133, July 17.
Welding. J. R. Wirt. 2,560,678, July 17.
Well cementing apparatus. J. E. Hall. 2,560,692, July 17.
Well drilling. C. V. Sidwell. 2,561,075, July 17.
Well sounder, Acoustical. A. Wolf. 2,560,911, July 17.
Wheel attachment for bicycles, Retractable. E. J. Dyksma. 2,561,268, July 17.
Wheel cover mounting. A. V. Weasler. 2,561,160, July 17.
Wheel for agricultural implements, Controlled caster. F. D. Jones, W. E. Slavens, and D. L. Woolsoncroft. 2,560,726, July 17.
Wheel for trawl nets, Guide. C. A. Abramowski. 2,560,622, July 17.
Wheel mounting and unidirectional rotation control means, Combination. H. Sebel. 2,560,704, July 17.
Whistle combination, Quick-change. L. Roth. 2,560,895, July 17.
Winch, hoist, and the like. M. F. Sasgen. 2,561,138–9; July 17.
Window regulator. J. B. Parsons. 2,560,976, July 17.
Window ventilating lock. S. H. Melnick. 2,560,656, July 17.
Windshield protector. M. D. Ferguson. 2,561,188, July 17.
Wing construction for model airplanes. R. Reder. 2,560,742, July 17.
Wire splice connector. S. N. Buchanan. 2,560,683, July 17.
Wire spring structure for seat constructions. S. G. Blumensaadt, W. H. Neely, and N. A. Page. 2,560,842, July 17.
Wire stripping tool. H. W. Norman and J. N. Rollings. 2,561,218, July 17.
Wireworking machine. E. Gut. 2,560,794, July 17.
Wiring and connection unit, Electrical. R. H. Murphy. 2,561,031, July 17.
Wobbler drive mechanism. F. L. Van Weenen and W. H. Stigter. 2,561,000, July 17.
Wrench: *See*—
Hydraulic torque wrench.
Wrist cuff construction. D. E. Weiss. 2,561,161, July 17.
X-ray apparatus. F. Scholz. 2,560,782, July 17.
Yarn carrier. E. Jentsch. 2,560,955, July 17.
Yarn feeding mechanism for knitting machines. A. M. Brown. 2,561,175, July 17.
Zero corrector for electrical instruments in hermetically sealed casings. F. X. Lamb. 2,560,879, July 17.

CLASSIFICATION OF PATENTS

ISSUED JULY 17, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Condition of Applications Under Examination at Close of Business June 22, 1951

Total number of patent applications awaiting action, 110,476. Date of oldest new application, July 26, 1950; date of oldest amended application, July 26, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Power Plants (Internal generation, Special motive and mixed fluids)			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	8-1-50	8-3-50	2483
2. HERMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	9-22-50	8-11-50	1447
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Fluid Treatment of Textiles (Apparatus).	10-13-50	10-12-50	1600
4. BISHOP, W. C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	7-26-50	7-28-50	1985
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	10-27-50	10-25-50	951
6. SURLE, H., Carbon Chemistry (part)	10-6-50	9-14-50	1670
7. GONSALVES, J. E., Optics; Photography (part)	11-20-50	11-18-50	1132
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	8-16-50	8-19-50	1947
9. BRANSON, J. H., (Acting), Pumps and Fans; Fluid Motors	8-24-50	8-24-50	1637
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	8-9-50	8-15-50	1224
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	8-21-50	9-2-50	1017
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	9-13-50	9-1-50	1283
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	7-29-50	7-27-50	1356
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	8-4-50	8-2-50	1568
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	12-8-50	12-1-50	1156
16. LOVEWELL, N. N., Television; Telephony	8-16-50	9-6-50	1330
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	7-28-50	7-29-50	1961
18. KURZ, J. A., Power Plants; Speed Responsive Devices	10-26-50	10-13-50	1228
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	8-7-50	8-7-50	1264
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	8-4-50	8-2-50	1576
21. MADER, R. C., Textiles; Package and Article Carriers	8-1-50	8-1-50	1795
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	8-15-50	8-15-50	1260
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	8-2-50	7-26-50	936
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	11-1-50	11-10-50	1663
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	9-25-50	9-22-50	1458
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	8-21-50	8-22-50	1150
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-23-50	8-23-50	2131
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Springs, Weights, and Horsepower Motors; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	8-23-50	8-8-50	1444
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	8-1-50	8-1-50	1917
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	10-23-50	2-23-50	1696
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	10-2-50	9-30-50	1949
32. NEFF, P. R., (Acting), Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	9-21-50	8-4-50	1394
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	9-6-50	8-23-50	2119
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	8-8-50	8-1-50	1350
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles	9-1-50	9-1-50	1655
36. McFADYEN, A. D., Measuring and Testing	8-23-50	8-24-50	1362
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	9-23-50	9-20-50	1387
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Composition (part); Rubber, Preserving Apparatus (part).	10-4-50	10-16-50	1187
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves, Water Distribution	8-9-50	8-7-50	2794
40. DRUMMOND, E. J., Receptacles (part); Packages	9-6-50	9-1-50	2686
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	8-14-50	8-7-50	1474

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 110,476. Date of oldest new application, July 26, 1950; date of oldest amended application, July 26, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	8-21-50	8-14-50	2029
43. ASP, N. A., (Acting), Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	1-6-51	11-2-50	1032
44. HARVEY, L. P., Beds; Chairs, Seats	8-1-50	8-1-50	1560
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	8-1-50	8-4-50	1660
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structure (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	8-19-50	8-12-50	1136
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	9-5-50	9-5-50	1424
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	10-10-50	10-3-50	971
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	9-20-50	9-7-50	1324
50. LEVIN, S., Synthetic Resins	12-22-50	11-15-50	1329
51. YAFFEE, S., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	8-9-50	7-29-50	1330
52. FELTON, B. H., (Acting), Supports; Joint Packing; Pipe and Rod Joints or Coupling; Tool Handle Fastenings; Pipes and Tubular Conduits.	8-22-50	8-22-50	3276
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	9-30-50	9-25-50	946
54. DOUGLAS, O. R., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-12-50	8-6-50	1685
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	10-5-50	10-13-50	1137
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	10-3-50	10-3-50	1634
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry.	11-17-50	11-9-50	1006
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	9-8-50	9-7-50	1255
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	9-12-50	9-16-50	1283
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	8-29-50	8-18-50	1402
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	8-4-50	7-29-50	1757
62. SHAPIRO, A., Games; Toys; Amusement and Exercising Devices; Mechanical Guns and Projectors	8-10-50	8-10-50	1954
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	10-31-50	11-7-50	1410
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	11-24-50	11-24-50	1770
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	9-30-50	9-27-50	1625
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	7-26-50	7-26-50	1312
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	10-4-50	9-25-50	1472
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	9-16-50	9-11-50	1733
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	8-15-50	8-12-50	1448
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	8-17-50	8-1-50	1762
DESIGNS: A. BREHM, G. L., Industrial Arts	3-9-51	3-1-51	777
DESIGNS: B. ANDREWS, D. D., Household, Personal and Fine Arts	1-12-51	3-28-51	1406

Total number of trade-mark applications awaiting action (including renewals and republications), 19,151. Date of oldest new application, October 23, 1950; date of oldest amended application, October 23, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 18, 27, 28, 29, 30, 31, 33, 35, 44, 50, 51, 52	10-27-50	10-24-50	5806
II. SUMMERS, O. S., Classes 19, 21, 22, 23, 24, 25, 26, 34	12-12-50	10-27-50	3030
Renewals (All Classes)	4-20-51	5-23-51	587
Republications (All Classes)	5-1-51	5-23-51	288
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	11-1-50	10-25-50	4784
IV. KEYS, O. M., Classes 2, 16, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	10-23-50	10-23-50	4647

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE ABRAMS

No. 5723. Decided March 6, 1951. Petition for Rehearing Denied April 10, 1951

[188 F.2d 165; 89 USPQ 266]

1. PATENTABILITY—PROCESS—MENTAL STEPS NOT PATENTABLE.

Claims to mental concepts which constitute the very substance of an alleged invention are not patentable, since it is self-evident that thought is not patentable.

2. SAME—PARTICULAR SUBJECT MATTER—METHOD OF PROSPECTING FOR PETROLIFEROUS DEPOSITS.

Certain claims to a method of prospecting for petroliferous deposits held properly rejected as distinguishing over the prior art only in steps which are mental in character.

APPEAL from Patent Office. Serial No. 533,203.

AFFIRMED.

Sidney A. Johnson (*Richard K. Stevens* of counsel) for appellant.

E. L. Reynolds (*S. Wm. Cochran* of counsel) for the Commissioner of Patents.

GARRETT, *Chief Judge*:

By this appeal appellant seeks review and reversal of the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Primary Examiner, hereinafter referred to as the Examiner, of four of the claims in appellant's application for patent entitled "for Petroleum Prospecting Method."

As passed on by the Examiner the application contained eight claims numbered 1 to 8, inclusive, all of which he rejected. Appellant appealed to the Board of Appeals and before that tribunal withdrew four of the claims, the appeal as to which was dismissed. Those remaining and which are embraced in the appeal to us are Nos. 1, 2, 4, and 8.

In the brief of the Solicitor for the Patent Office it is said:

> The rejection of the claims in this case is based on the ground that the claims fail to define a process involving subject matter which properly comes within the terms of section 4886 R. S. The specific objection is that the steps in the claims which constitute the heart of the invention are purely mental in character.

No prior art was cited in connection with the rejection of the claims.

The Board quoted claim 4 as illustrative. There is no contention that any of the other appealed claims contain limitations which patentably differentiate them from that claim, and we here reproduce it:

> 4. A method of prospecting for petroliferous deposits comprising, (1) sinking a number of boreholes in an area under investigation, (2) sealing off each of said boreholes from the atmosphere at any desirable depth below the level of atmospheric breathing in such manner that a known area of the inner surface thereof is made available for diffusion of subsurface gases into said borehole, (3) reducing the pressure in said borehole to a value substantially below atmospheric, (4) measuring the rate of pressure rise per unit area of surface available for diffusion of subsurface gases into said borehole for a number of timed intervals, (5) determining the rate of pressure rise in said borehole at a standard reference pressure from the values obtained in step (4), and (6) comparing the rates determined in step 5 for the different boreholes to detect anomalies which are indicative of the presence of petroliferous deposits.

We take from the brief for appellant the following description of the claimed method, the reference to pages of the record being deleted:

> In general the invention here involved is a new and useful method of prospecting for the presence of petroliferous deposits.
>
> Natural gas or petroleum oil deposits give rise to certain gaseous emanations in and about the area of their location. Anomalous variations in the amounts of these gaseous materials may be utilized to detect the presence of the aforesaid deposits.
>
> By applicant's method, the presence of these anomalous variations is more reliably and readily determined by measuring variations in the flow rates of the gaseous emanations at pressures substantially below atmospheric.
>
> More specifically, a number of boreholes are sunk in the area under investigation at a distance below the level at which the movement of air and gases within the soil, i. e., soil breathing, would impair the accuracy of the results desired. Each borehole is then sealed off so that a collecting chamber is formed into which the subsurface gases may diffuse. A vacuum pump is connected to the borehole and the pressure in the chamber is reduced to a value substantially below that of atmospheric. The pressure is then allowed to rise and, by means of a suitable pressure measuring device, readings are taken at regular time intervals. The increase in pressure in a borehole for any time interval is an indication of the flow rate of the gaseous emanations therein at the average pressure prevailing during that time interval.
>
> In order to ascertain the value or extent of the various physical and positive steps enumerated above, obviously some use must be made of the various flow rates obtained. In order to evaluate the various flow rates determined from the field data they must be compared at some uniform or standard reference pressure. This may be of any value and usually some value within the range over which the pressure changed in a majority or all of the boreholes would be selected as the basis of comparison as a matter of convenience.
>
> If the boreholes are of a uniform dimension, the flow rates at the reference pressure are then merely compared to detect anomalies which are indicative of the presence of petroliferous deposits. This comparison permits a determination of the extent or limits of the physical steps taken.
>
> In case the boreholes vary as to dimension, the flow rate data is further converted to a standard surface area value and the flow rates compared as stated above.

Counsel for appellant state in the brief on his behalf that a need exists "for a rule of guidance in so-called 'mental step' cases," asserting that much confusion exists growing out of decisions which

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have been rendered. In connection with this, the brief states:

> While appellant has found it possible, after no little effort, to draw some distinctions and conclusions from the various decisions involving this type of case, no decision has been found which specifically sets forth any logical rule to follow.

Going further, the brief sets forth as applicable to cases where the claims contain so-called mental steps, three suggested "rules of law" reading:

> 1. If all the steps of a method claim are purely mental in character, the subject matter thereof is not patentable within the meaning of the patent statutes.
> 2. If a method claim embodies both positive and physical steps as well as so-called mental steps, yet the alleged novelty or advance over the art resides in one or more of the so-called mental steps, then the claim is considered unpatentable for the same reason that it would be if all the steps were purely mental in character.
> 3. If a method claim embodies both positive and physical steps as well as so-called mental steps, yet the novelty or advance over the art resides in one or more of the positive and physical steps and the so-called mental step or steps are incidental parts of the process which are essential to define, qualify or limit its scope, then the claim is patentable and not subject to the objection contained in 1 and 2 above.

The brief states that the proposed rules were formulated on behalf of appellant from a review of many decisions, and it is said:

> Appellant strongly feels that this court should adopt the three rules promulgated * * *, or some modification thereof, in order that some rule of reason which is readily understandable to all can be applied to these "mental" step cases.

It is argued that appellant's claims come within the third rule.

Apparently, the proposed rules were suggested to the tribunals of the Patent Office—at least to the Examiner, who mentions them in his reply to the brief for appellant filed with the appeal to the Board—but neither the Examiner nor the Board expressed either approval or disapproval of them.

From such examination of the decisions as we have been able to make, the suggested rules appear to accord with them, but it is unnecessary for us arbitrarily to go beyond the requirements of the instant case. For the purpose of its decision, it is sufficient to determine whether or not the claims fall within proposition 3 upon which appellant relies. According to that rule, it must appear that there has been (*a*) an advance over prior art and that (*b*) such advance or novelty resides in the physical steps set forth in the claims.

Inasmuch as no prior art was cited below, it would appear that an advance in the art is conceded so far as the tribunals of the Patent Office are concerned. At any rate, in the absence of an adverse finding as to that, no question about it is before us for consideration, and the sole question is whether the novelty thus assumed is the result of a physical act or is simply a mental concept.

In the statement of the Examiner following the appeal to the Board it was said:

> All claims have been rejected as improper under the statutes in setting forth a process that predominately involves merely a mental process in obtaining the result. This mental process is indicated by such terms in the claims as "calculating" applied for instance to mathematically making certain computations from figures taken down from pressure observation, "comparing" applied to mere mental comparison of figures on a sheet, "converting" as related to mathematically calculating the flow data or pressure rise with respect to a standard reference pressure, "determining" applied, for instance, to the reading of the pressure rise figures; "correcting" involving mere mathematical calculations.
>
> The total effect of these expressions and steps in the claims is convincing that the nature of the invention is like that found in such decisions as *Ex parte Toth*, 63 USPQ 131 (correcting and determining); *In re Heritage*, 66 USPQ 217, 32 CCPA [Patents] 1170, and *Halliburton Oil Well Cementing Co.* v. *Walker*, 64 USPQ 278, involving therein such purely mental terms as "determining," "registering," "counting," "observing," "measuring," "comparing," "recording," and "computing," in which the processes claimed were found to be non-statutory.

The decision in the Toth case, supra, was by the Board of Appeals of the Patent Office and that in the Halliburton case, supra, by the United States Circuit Court of Appeals, Ninth Circuit, 146 F.2d 817.

Not all the terms quoted by the Examiner are found in claim 4, supra, but most of them appear in the four appealed claims taken together.

In approving the rejection of the Examiner the Board commented upon the steps defined in the claims as follows:

> The claims have been refused as improper under the statutes in including mental steps in the process. Step 5 of the quoted claim is essentially a step of transforming pressure rise figures to standard values. Step 6 is a step of comparing data obtained in a plurality of locations in order to derive some information as to the possibility of existence of petroleum deposits. The original specification indicates that steps 1 and 2 are old for the purpose of the present application. Steps 3 and 4, which taken together produce data in the form of figures, are said to describe appellant's differences in procedure over the acknowledged prior art. However, these steps, that is those defined as 3 and 4 in the quoted claim, are without significance in the absence of the calculation steps under 5.

In the brief for appellant it is said, references to pages of the record being deleted:

> Claim 4 is illustrative of the claims and was so considered to be by the Board of Appeals. It is to be emphasized that of the six steps contained in this claim only one, step 6, is open to the charge, and this is arguable, of being a so-called "mental step." The other five steps are: "(1) sinking a number of boreholes—," "(2) sealing off each of said boreholes—," "(3) reducing the pressure in said borehole to a value substantially below atmospheric," "(4) measuring the rate of pressure rise per unit area—," and "(5) determining the rate of pressure rise in said borehole—."

It is urged on behalf of appellant that the decisions cited by the Examiner and rejected by the Board do not support their conclusion and, in effect, that the case at bar is governed by the decisions in the cases of *Ex parte Lewis et al.*, 48 USPQ 141; *Ellis* v. *Coe, Com'r. of Patents*, 49 USPQ 232; and *Ex parte Baymiller et al.*, 68 USPQ 403. The Lewis et al. and Baymiller et al. decisions were by the Board of Appeals of the Patent Office and that in the *Ellis* v. *Coe* case by Barksdale, J., United States District Court of the District of Columbia.

In truth, the question of whether a step in a process is mental or physical seems to us to be one of fact rather than one of law and so should not be difficult of determination, but opinions sometimes differ even as to facts. We have examined the cases cited in the respective briefs, together with some not so cited, in our study of the controversy.

[1] Citation of authority in support of the principle that claims to mental concepts which constitute the very substance of an alleged invention are not patentable is unnecessary. It is self-evident that thought is not patentable.

In respect of the cases cited by appellant we feel constrained to agree with the holding of the Examiner to the effect that they do not support appellant's position.

In the Lewis et al. case, supra, the claims were rejected by the Primary Examiner solely upon prior art. The Board of Appeals reversed his decision, but nowhere in the Board's decision is there any reference to a "mental" step. The disclosure there related to a method of determining the probable productivity of oil sands from analyses of characteristics of core samples. It is true that the process involved making certain calculations based upon the oil and water content of the core samples taken from the sand, but patentability was not dependent upon the calculations.

It is somewhat difficult to compare the process involved in the *Ellis* v. *Coe* case, supra, with that of appellant because of the differences in subject matter. The patent which Ellis sought and which the district court authorized, in an action under Sec. 4915 R. S., was for a method and apparatus for determining a characteristic of living animal tissue, and so far as we can determine no purely mental step is shown to have been recited in the claim.

In the Baymiller et al. case, supra, the Board at first affirmed the Examiner's rejection of the particular claim, allowance of which is relied upon by appellant here, not because a purely "mental" step was claimed, but upon prior art. Upon reconsideration, however, the Board concluded that it was not disclosed in the reference and allowed the claim. There does not seem to us to be any discussion in that decision which has any pertinency here. The claim related to a process of manufacturing golf clubs.

It is contended on behalf of appellant that the cases relied upon by the Examiner are cases in which the claims fall within the classification defined in either 1 or 2 of his suggested "rules of law," supra.

In the Toth et al. case, supra, there were involved claims relating to a method for determining the maximum productivity of a pumped oil well. In the claims references were made to "correcting" indicated pressure of gas in the pump tubing, "determining" the well pressure, etc. The first ground of rejection approved by the Board of Appeals was based on lack of invention over prior art, but it added the additional ground that "correcting said indicated pressure" and "determining the well pressure" were "purely mental" and do not come within the definition of an "art" as given by different authorities,[1] and so do not constitute steps of a patentable process.

The Halliburton, etc. v. Walker et al. case, supra, was an infringement proceeding in which the validity of two patents, relating to locating obstructions in oil wells, was involved. A claim stated by the court to be typical of all the claims in the patent (No. 2,209,944) which was held invalid read as follows:

> 2. The method of determining the unknown location of an obstruction in a well having a string of tubing therein, which consists in creating an acoustical impulse in the annular space between the tubing and the well casing to produce echoes from portions of the tubing string distinguishable from each other and from the echo from the unknown obstruction, observing the lapse of time between the arrival at a predetermined point of the echoes from successive portions of the tubing string to thereby determine the velocity of the pressure wave through the particular well under measurement, and measuring the lapse of time between the creation of the pressure impulse and the arrival at said predetermined point of the echo from the unknown obstruction.

The court having stated that the steps of the method claimed were described in the claims taken together by the descriptive words "determining," "registering," "counting," "observing," "measuring," "comparing," "recording," and "computing," declared:

> In substance, Walker's method here claimed consists in setting down three knowns in a simple equation and from them determining or computing an unknown. The three knowns are: (*a*) the distance from the well head to the tubing catcher (for example); (*b*) the length of time it takes an echo to return from that obstruction; and (*c*) the length of time it takes an echo to return from the fluid surface. From these three knowns can then be determined the distance of the fluid surface from the well head.
>
> We think these mental steps, even if novel, are not patentable. Cf. *Don Lee, Inc.* v. *Walker*, 9 Cir., 61 F.2d 58, [14 USPQ 272]. A patent may be obtained only upon an invention of a "new and useful art, machine, manufacture, or composition of matter." 35 U. S. C. A. Sec. 31.

In the Heritage case, supra, two method claims relating to the manufacture of coated surfaces of fiber boards were involved. The claims comprised "coating samples with varying amounts of material, testing them for sound reduction coefficient, selecting a specimen within the range of varying coefficients * * * and using the amount of material applied to the selected specimen as the criterion for future coating."

Speaking through the late Judge Hatfield we said:

> The feature of appealed claims 1 and 2 which is relied on for patentable novelty is the mental process of making a selection of the amount of coating material to be used in accordance with a predetermined system. Such purely mental acts are not proper subject matter for protection under the patent statutes, as held by the tribunals of the Patent Office. See *In re Cooper et al.*, 30 CCPA (Patents) 946, 134 F.2d 630, 57 USPQ 117; *Don Lee, Inc.* v. *Walker*, 61 F.2d 58, 14 USPQ 272; *In re Bolongaro*, 20 CCPA (Patents) 845, 62 F.2d 1059, 16 USPQ 295.

We deem it proper to resort to appellant's specification as an aid in interpreting the steps of the claims.

First, it may be said that there has been no challenge of the Board's statement that the original specification indicates that steps 1 and 2 are old for the purposes of the present application. They seem to have been described in another application of which this is a continuation-in-part.

The following from the specification bears upon the other steps:

> * * * A suitable pressure measuring device and vacuum pump are placed in communication with the hole and the pressure in the sealed off section of the hole is reduced to a value substantially below atmospheric. The pressure is then allowed to rise and pressure readings are taken at regular time intervals. The increase in pressure in a borehole for any time interval is, of course, an indication of the flow rate in the hole. Therefore, where the holes are of uniform dimensions in any particular survey, I do not need to calculate the actual flow rates from the pressure data obtained, which may be done, however, by use of the

[1] In *Cochrane* v. *Deener*, 94 U. S. 780, 11 O. G. 687, the Supreme Court enunciated what the brief of the Solicitor for the Patent Office states is the generally accepted definition of an "art" as used in the patent law, as follows:

> A process is a mode of treatment of certain materials to produce a given result. It is an act or series of acts, performed upon the subject-matter to be transformed and reduced to a different state or thing. If new and useful, it is just as patentable as is a piece of machinery. In the language of the patent law, it is an art.

gas laws. I prefer rather to plot the rise in pressure measured for a number of time intervals against the average pressures for those time intervals, and to extrapolate the curve thus obtained to derive the rate of pressure rise in each hole at a standard reference pressure, such as 760 mms., all as fully explained and illustrated in detail hereinafter. On the other hand, however, where the test holes in a survey are of different dimensions, for example, where they have been drilled to different depths, the pressure data must be corrected before plotting, so that the factor of difference in volume in the various holes is taken into account. This may be done by use of calculations involving the gas laws in the manner well known to the art. In the same way the pressure data may be converted to flow rate data at the prevailing average pressure prior to plotting if desirable.

When the steps of the claims are considered in the light of the explanation of their character so given, it seems to us that they are eliminated from the applicability of appellant's proposed rule 3, and fall within No. 2.

The Halliburton, etc. v. Walker case, supra, seems to us to be sound in its reasoning and directly applicable here.

[2] The decision of the Board of Appeals is therefore affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE SULLIVAN

No. 5771. Decided April 3, 1951

[188 F.2d 384; 89 USPQ 318]

PATENTABILITY—PARTICULAR SUBJECT MATTER—CARGO CARRYING AIRPLANE.

Certain claims to a cargo carrying airplane *Held* inventive over the prior art as representing something more than mechanical skill.

APPEAL from Patent Office. Serial No. 494,269.

REVERSED.

Bacon & Thomas (*Francis D. Thomas, Harry W. F. Glemser,* and *Wm. Wallace Cochran* of counsel) for appellant.

E. L. Reynolds (*H. S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *Chief Judge*:

Appellant here seeks review and reversal of the decision of the Board of Appeals of the United States Patent Office affirming the denial by the Primary Examiner, hereinafter referred to as the Examiner, of two of the claims of appellant's application for patent relating to alleged "new and useful improvements in the design and construction of cargo carrying airplanes." The denial of the claims is based upon features of prior art disclosed in three patents.

Nine claims were allowed, eight by the Examiner and one by the Board. The two on appeal, numbered respectively 19 and 39, read:

19. In an airplane and detachable cargo compartment combination, wherein the airplane is self contained and flyable with or without the cargo compartment, means for attaching said cargo compartment to the airplane with the center of gravity of said cargo compartment in substantially vertical alignment with the aerodynamic center of lift of said airplane; landing gear for said combination including wheel means on both said airplane and cargo compartment serving as landing wheels; and auxiliary wheel means operatively associated with the airplane and the cargo compartment, respectively, cooperable with said landing wheels to provide independent taxiing of the airplane and roadability of the cargo compartment when said cargo compartment is detached from said airplane.

39. In an airplane and detachable cargo compartment combination; means for attaching said cargo compartment to said airplane with the center of gravity of said cargo compartment in substantially vertical alignment with the aerodynamic center of lift of said airplane; a main landing gear for said combination of airplane and cargo compartment, said landing gear being disposed in a common horizontal plane and arranged to support said cargo compartment in a substantially horizontal attitude when said airplane is on the ground; and auxiliary wheel means associated with said combination of airplane and cargo compartment cooperable with said landing gear to provide independent taxiing of the airplane and independent roadability of the cargo compartment when said cargo compartment is detached from said airplane.

Four claims were involved in the appeal to the Board and certain of the references listed in its decision were cited in connection with claims not included in the appeal to us. They require no notice here. Those cited in connection with the claims brought before us are: Booth et al. (a British patent), 139,295, Mar. 4, 1920; Gray, 1,716,439, June 11, 1929; Brogelli, 1,797,713, Mar. 24, 1931.

The utility and convenience of a device of the kind here involved is concisely recited in the brief for appellant as follows:

Appellant's invention is a cargo carrying airplane in which the cargo compartment is made detachable from the airplane body to facilitate the preloading of cargo compartments and their interchange. The arrangement is such that the airplane is airworthy and groundworthy whether or not the cargo compartment is attached thereto. The advantage of such an arrangement is obvious. The cargo compartment may be loaded previous to the arrival of the plane, attached to the plane, delivered to its destination, detached and then unloaded. The airplane itself may be used for other purposes while loading and unloading of compartments is taking place. It may, for instance, be used to carry another pre-loaded compartment to its destination.

It is thought that appellant's structure may be visualized broadly from the description given in the brief of the Solicitor for the Patent Office, the pertinent portion of which, with the numerals designating elements named in the specification and pages of the record deleted, reads:

* * * an airplane to the bottom of which a cargo compartment is detachably secured so that the center of gravity of the cargo compartment is in substantially vertical alignment with the aerodynamic center of lift of the airplane.

The airplane has main landing wheels which cooperate with a pivoted nose wheel carried by the cargo compartment to provide landing gear for the combination of airplane and cargo compartment. When the cargo compartment is detached from the airplane, auxiliary landing wheels on the airplane provide independent taxiing of the airplane. Likewise, in the detached condition, wheels or dolly used with the cargo compartment provide independent roadability of the cargo compartment.

A more detailed description is found in the brief filed on behalf of appellant wherein it is said, in substance, that the airplane, as appears from the drawings, is a high-wing, twin boom type having two spaced main landing wheels; that the detachable cargo compartment has, adjacent its upper surface, two rows of pins which are spaced along the length of the compartment; that by means of any two of these pins lying in the same transverse plane, the compartment is attached to the body of the airplane by shackles; that this arrangement constitutes the only means connecting the compartment with the airplane; that the reason for providing a plurality of longitudinally spaced pins is to permit the selection of the one which lies substantially in a vertical plane directly above the center of gravity of the loaded compartment for connection with a shackle; that because of the different kinds of loads which may make up the cargo, the longitudinal position of the center of gravity thereof, when loaded, will vary; that when the particular pins above the center of gravity have been ascertained, they are fastened to the airplane by the shackles which are so located that the load is substantially balanced relative to the aerodynamic center of lift of the airplane when the selected pins are engaged with the shackles; that the detachable cargo compartment carries front wheels, or may have auxiliary rear wheels by means of which after being separated from the airplane it may be hauled or towed away by truck; and that the front wheel means of the compartment also may act in conjunction with the wheels of the airplane when a landing or a take-off is being made.

It is stated further that the airplane body is equipped with auxiliary landing and take-off wheels carried by arms pivoted to the body and when those auxiliary wheels are advanced the airplane can take off, land, and taxi on the main and auxiliary wheels, independently of the cargo compartment.

In the brief for appellant before us some argument is presented indicating reliance for patentability upon the feature of locating the shackles so that the load in the cargo compartment is substantially balanced as immediately above described, but the action in the Patent Office as to this feature does not appear to have been specifically covered in the reasons of appeal and during the oral argument before us the contention in that respect was abandoned. The Examiner, in fact, had pointed out the presence of this feature in the British patent.

So, in the final analysis, appellant's reliance is upon the features of (1) the auxiliary wheel means and (2) the adaptability of the front wheel of the cargo compartment for use in conjunction with the wheels on the airplane when a landing or take-off is made—features which are embodied in both claims and expressed in claim 19 in the following phraseology:

* * * landing gear for said combination including wheel means on both said airplane and cargo compartment serving as landing wheels; and auxiliary wheel means operatively associated with the airplane and the cargo compartment, respectively, cooperable with said landing wheels * * *.

It will be observed from the claims that the auxiliary wheels are designed also to serve (1) in providing independent taxiing of the plane and (2) in providing "roadability" of the cargo compartment when it is detached from the plane.

Apparently the British patent to Booth et al. was regarded by the tribunals of the Patent Office as the principal reference. It shows an airplane having a boat detachably mounted below the single fuselage of the plane, "especially adapted for the purpose of carrying mails, merchandise and the like." The landing gear of the seaplane consists of pontoons, which are not numbered in the drawings but which, as we understand the structural arrangement, are carried by the aircraft which has no landing wheels, or any other device except such pontoons, for use in landing. The claims of this patent are limited to the cargo carrying structure—that is, the boat—and no feature of that structure is connected with the airplane for cooperation in the movement or landing of the latter. The claims are combination claims but, unlike those at bar, they do not include the plane in the combination.

The patent to Gray relates to an undercarriage for airplanes in the form of a tricycle landing gear having various features. There is no reference in the patent to a cargo compartment detachable from the plane, and the Examiner appears to have cited it with the holding, as quoted by the Board in its approval, that:

No unexpected or unobvious result would be involved in substituting the well known tricycle landing (wheeled) gear, an example of which is shown by Gray, for the reference landing (float) gear [of Booth et al.]. Mere conversion from a water landing aircraft to an aircraft for landing [on] or take-off from land is involved.

We hereinafter comment upon this holding.

The Brogelli patent relates to aeroplanes, seemingly designed for landing on both water and land, which transport different kinds of large detachable bodies. In one figure of the drawings the detachable body is a submarine; in another, a surface vessel in the form of a ship or boat; and in another, a land vehicle of the automotive type, such as a bus. The plane carries relatively small detachable boats which serve as pontoons and constitute its landing gear when landing on water. For landing on land it is supplied with two wheels which are normally retracted upward to a position above the pontoon boats but may be lowered to a position below such boats so that they will contact the ground, when a ground landing is made.

It is said in the brief for appellant that the showing in the figure of the drawings which depicts those two wheels strongly suggests that Brogelli's plane would be inoperative for ground landing. This suggestion apparently grows out of the fact that when the wheels are lowered from their retracted position they are disposed below the body which is being transported by the plane.

We do not undertake to pass upon the question of operativeness as suggested, but we do not find ourselves in agreement with the idea advanced by the respective tribunals of the Patent Office that equipping the Brogelli's plane with the two wheels referred to would suggest equipping the British cargo carrier with a wheel which would serve as a landing and take-off aid.

The seaplane of the British patent, of course, was not designed for ground landing and, so far as we can determine, it has no gear for such a landing. The only thing it has in common with the structure of appellant is a cargo carrier. Its cargo carrier does not disclose any equipment which aids its landing, so far as we can see, nor is there any equipment attached to any one of the bodies disclosed as being transported by the airplane of Brogelli which purports to constitute any part of its equipment for landing on either land or sea.

It is true that Brogelli discloses as one of the bodies transported by his airplane what looks like a passenger bus of large dimensions, and the bus is equipped with wheels, but the bus wheels, while supplying "roadability" to the vehicle, do not func-

tion as a part of Brogelli's landing gear, nor are we able to discern how they might be arranged to function as such.

So far as the tricycle feature of the Gray patent is concerned it possibly might be fitted to the cargo carrier of the British patent so that it would serve as an undercarriage for the carrier, that is, the boat, if such an arrangement were desired, but it would not become thereby an undercarriage for the plane itself as distinguished from the cargo carrier. It, of course, would not perform any function in landing on water.

We have here the question which so frequently arises as to whether modifications of individual features found in prior art (which modifications are necessary to meet a newly suggested combination) represent invention rather than mere mechanical skill. In considering that question we must remember that when one is confronted with a newly suggested combination and prior art disclosures one almost unconsciously may be led to regard the necessary modifications as requiring less of thought and effort than actually is required.

That appellant has made an invention is evidenced by the numerous claims which have been allowed below, and it seems to have value. We are of opinion that the features relied upon by appellant represent something more than mechanical skill and that they should be allowed along with those approved as patentable by the tribunals of the Patent Office.

So, the decision of the Board of Appeals affirming the Examiner's rejection of the two claims on appeal is reversed.

REVERSED.

U. S. Court of Customs and Patent Appeals

IN RE BENDERSKY

No. 5755. Decided March 6, 1951

[187 F.2d 749; 89 USPQ 161]

1. PATENTABILITY—COMBINING REFERENCES—OPERATIVENESS OF REFERENCE COMBINATION.

Although it may not be possible to construct an operative combination for appellant's purpose from the specific elements disclosed by the references, that fact does not disqualify any of the respective patents as a valid reference, since the question is whether, in view of the prior art, the faculty of invention was exercised in the uniting of the structure defined by the claims.

2. SAME—DISCLOSURE OF INVENTION—MERE STATEMENT OF FUNCTION INSUFFICIENT.

Since the statute requires that an application include a specification and claims which when read together, will enable any person skilled in the art to practice the invention, the mere statement of a function cannot be relied upon as a substitute for the disclosure of specific structure.

3. SAME — PARTICULAR SUBJECT MATTER — CONVERTIBLE HOSPITAL BED.

Certain claims to a convertible hospital bed *Held* unpatentable over the prior art, and certain other claims *Held* properly rejected as based on insufficient disclosure.

APPEAL from Patent Office. Serial No. 522,426.

AFFIRMED.

Morris Michael Marks (*Joseph G. Denny, Jr.*, of counsel) for appellant.

E. L. Reynolds (*H. S. Miller* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

The appeal in this case involves the validity of the action of the Board of Appeals of the United States Patent Office in affirming the rejection by the Examiner of claims 32–39 in appellant's application for a patent on improvements in an adjustable hospital bed which may be converted into a reclining convalescent chair by the use of her invention. Two other claims, 18 and 40, were allowed.

Claims 34 to 39, inclusive, were rejected as indefinite and incomplete. The remainder of the appealed claims were rejected for lack of patentability over the following prior art of record: Sebo, 38,700, May 26, 1863; Warren, 651,539, June 12, 1900; Bradley, 1,218,519, Mar. 6, 1917; Mower (British), 112,238, Jan. 3, 1918.

Claims 32 and 34 are reproduced as illustrative:

32. Means for converting into a reclining convalescent chair, an adjustable hospital bed having an inclinable back-and-head portion; said means comprising a mounting section on said bed, and an arm rest assembly comprising a bracket and an arm rest mounted thereon; said bracket comprising a cantilever portion and a mounting portion; retaining and releasing means for selectively rigidly supporting said mounting portion on said mounting section, and demounting said mounting portion therefrom; said retaining and releasing means being operable by a substantially vertical movement of said mounting portion; the arrangement of parts being such that when said mounting portion is rigidly supported on said mounting section, and said back-and-head portion is in inclined position, said cantilever portion will overlie said bed, and the rear of said arm rest will be substantially juxtaposed to said inclinable back-and-head portion.

34. Means for converting into a reclining convalescent chair, an adjustable hospital bed having an adjustably inclinable back-and-head portion; said means comprising a mounting section on said bed, and an arm rest assembly comprising a bracket and an arm rest mounted thereon; said bracket comprising a cantilever portion and a mounting portion; devices for selectively rigidly supporting said mounting portion on said mounting section, and demounting said mounting portion from said mounting section, said devices being operable by a movement other than rotation of at least a portion thereof for more than 360° about the vertical axis of said mounting portion; and means for selectively positioning said bracket longitudinally along said bed operably to position the rear end of said arm rest in substantially juxtaposed relation to said reclinable back-and-head portions in various inclinations of said back and head portions.

There is no dispute here that, as established by the respective affidavits of record of Dr. Jacob Goeller and Dr. Charles D. Rosen, appellant's claimed device is a boon to the invalid. That invention and what it has achieved is thus described in the brief of her counsel:

"Applicant's invention is a conversion means for transforming the *standard hospital bed* into a *reclining convalescent chair* and for *as readily retransforming it* to a hospital bed. This conversion means consists of a mounting section which is secured to the bed rail in proximity to the inclinable back-and-head portion of the bed, a removable arm rest mountable on the mounting section and projecting over the bed, with the rear of the rest juxtaposed to the inclined back-and-head portion, and means for disposing the removable arm rest in an out-of-the-way position when not in use.

"In the operation of applicant's invention, the back-and-head portion of the bed is raised to an inclined position, the arm rest is inserted in the mounting section with the rest extending over the bed and with its rear juxtaposed to the back-and-head portion. The patient is now provided, particularly when such arm rests are used on both sides of the bed, with *all* of the elements of a reclining convalescent chair, and may ambulate freely, raise himself for the insertion or removal of a bed pan, eat comfortably, support himself properly in the process of elimination, and otherwise render himself comfortable during his convalescence—*all without having to be removed from the bed.* Then, when it is desired that he lie back in bed, or if the physician, nurse or orderly wish to have freer access to his body, the arm rest need merely be *lifted out* of the mounting section and disposed on the self-same mounting section in an out-of-the-way position beneath the bed. Thus, no time is lost, and the use of such conversion means is rendered practical in hospitals wherein time of the physicians and attendants is a prime factor." [Italics quoted.]

Appellant contends in effect that the concept of the claimed combination never has been heretofore suggested or thought of; that not only do the references utterly fail to disclose appellant's invention, but it would not be possible to construct appellant's device from the specific elements taught by the references; and that the conception of a structure such as is defined here by the appealed claims constitutes invention, even though the assembling of the various elements thereof may involve, after such conception, little more than mechanical skill.[1]

The Solicitor for the Patent Office concedes in his brief the existence of patentable invention defined by the allowed claims 18 and 40. He contends, however, that the record presented definitely establishes that the appealed claims define only a combination of elements, or the assembly of desirable features, all old in the prior art, and that no invention or inventive concept whatever was involved in the combining of the elements disclosed or suggested by the references, individually and collectively.

The patent to Sebo relates to "Improvements in Bedstead Chamber-Chairs" for use in hospitals. A bedstead frame and two adjustable rests are there "cushioned and attached to the sides of the bedstead, for the invalid to rest his arms on." An inclined chair back or rest is there disclosed operating on a joint or pivot attached to the head-posts, which may be raised or lowered by an ordinary crank, rope and pulley. An adjustable cushioned seat under an aperture, arranged and operated by a windlass, for the purpose of inserting a chamber pot when required or for withdrawing it, is claimed.

Appellant's challenge that the patent to Sebo is invalid as a "paper patent" which "has existed for 87 years" is without merit. R. S. 4886 explicitly provides that no patent shall be granted for an invention or discovery, such as Sebo disclosed, which had been patented or described in a printed publication in this or any foreign country more than one year before the actual filing of the application in this country.

The patent to Warren relates to an improvement in desk arm rests, adjustably attached to the desk, as a support for the arm of a bookkeeper or writer. The arm rest is adjustably mounted beneath the desk with a slide so that the rest may be moved along to any desired point where it may be needed.

The patent to Bradley relates to improvements in bed frames for hospital use, some of which improvements are adjustably or permanently attached to the side rails of the bed frame. The adjustable portion of the frame may be apertured for the use of a bed pan. A reproduced perspective of the bed frame, made in the drawings in accordance with the invention of Bradley, is strikingly similar to the means claimed here for effectively converting an adjustable hospital bed into a reclining convalescent chair or bed having a reclinable back portion. That was the primary purpose for which the patent to Bradley was cited by the tribunals of the Patent Office, although the reference was previously involved before this court in a somewhat similar role more than twenty years ago.[2]

The British patent to Moyer was granted for improvements for adjustable surgical supporting devices "for supporting a leg or other limb of a patient during dressing and other operations" when performed on either a hospital bed or operating table. The device of Moyer may be mounted on a bed rail in any adjustable position along the ordinary frame to support the leg or arm in any desired position or at any angle. A vertical post supports a horizontal arm.

[1] The fact that it may not be possible, as appellant contends, to construct an operative combination for appellant's purpose from the specific elements or features disclosed by the references does not disqualify any of the respective patents as a valid reference. The question is whether, in view of the prior art, the faculty of invention was exercised in the uniting of the structure defined by the appealed claims.[3]

We find no error in the concurrent holdings of the tribunals of the Patent Office that the appealed claims, other than claims 34 and 35, were unpatentable over the disclosure of the cited art of record.[4]

[2] Claims 34 and 35 call for certain modifications of appellant's invention "being operable by a movement other than rotation of at least a portion thereof for more than 360° about the vertical axis of said mounting portion." There seems to be no language in the specification to support this limitation of the claims, nor is it otherwise clear what movement is thus required by the clause in question or what its effect might be.

The mere statement of a function cannot be relied upon as a substitute for the disclosure of specific structure required by the statute. An inventor may be the author of an important invention or discovery, but before a patent will be granted therefor, he must file an application in the Patent Office consisting of two dependent parts: a specification and a claim or claims all of which when read together will enable any person skilled in the art to practice the invention and enable the inventor and other inventors to avoid infringement.[5] Where that re-

[1] *In re Emmey et al.*, 34 CCPA (Patents) 1097, 161 F.2d 754, 74 USPQ 38, 604 O. G. 220; *In re Holt*, 34 CCPA (Patents) 1129, 162 F.2d 472, 74 USPQ 155, 605 O. G. 367.

[2] *In re Matthew F. Bayer*, 17 CCPA (Patents) 614, 35 F.2d 66, 3 USPQ 49, 390 O. G. 4.

[3] *In re Landrock et al.*, 36 CCPA (Patents) 1090, 174 F.2d 325, 81 USPQ 531, 624 O. G. 663; *In re Stover*, 32 CCPA (Patents) 823, 146 F.2d 299, 64 USPQ 186, 573 O. G. 367; *In re Kuhn et al.*, 32 CCPA (Patents) 1110, 150 F.2d 145, 66 USPQ 117, 580 O. G. 164.

[4] See *Great Atlantic & Pacific Tea Co.* v. *Supermarket Equipment Corp.*, 340 U. S. 147, 152, 642 O. G. 5.

[5] *United Carbon Co.* v. *Binney Co.*, 317 U. S. 228, 546 O. G. 593; *Graver Mfg. Co.* v. *Linde Co.*, 336 U. S. 271, 621 O. G. 5.

quirement is absent, as here, there is no rule by which the doctrine of *In re Hunter*[6] or *Charles Peckat Mfg. Co.* v. *Jacobs*[7] upon which appellant relies may be applied.

The suggestion in appellant's brief, that a cue may be found in the various figures of the drawings as to the meaning of the involved limitation of claims 34 and 35, is not deemed sufficient. An inventor in his description under R. S. 4886 must do something more than give a cue for future experiment.[8]

In view of the conclusion hereinbefore expressed, it is deemed no useful purpose would be served in discussing further points argued by counsel for appellant and the Solicitor for the Patent Office. [3] The decision of the Board of Appeals is accordingly affirmed.

AFFIRMED.

[6] *In re Hunter*, 35 CCPA (Patents) 931, 166 F.2d 189, 76 USPQ 602, 610 O. G. 766.
[7] *Charles Peckat Mfg. Co.* v. *Jacobs*, 178 F.2d 794.
[8] *H. Ward Leonard, Inc.* v. *Maxwell Motor Sales Corp.*, 252 Fed. 584, 588.

NOTICES

Application for Extension of Patent

VETERANS

PUBLIC LAW 598—*81st Congress*

An application for extension of the following patent has been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066).

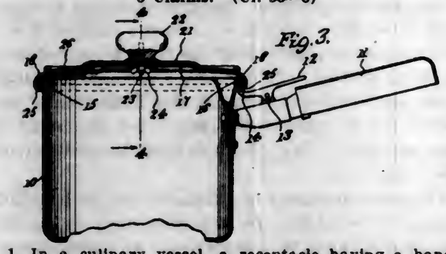
Any person who believes that he would be injured by the extension of the patent cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentee.

Herman H. Pearl 2,045,248 June 23, 1936

JOHN A. MARZALL,
Commissioner.

2,045,248
CULINARY VESSELS AND THE LIKE
Herman H. Pearl, Floral Park, N. Y.
Granted June 23, 1936
5 Claims. (Cl. 53—8)



1. In a culinary vessel, a receptacle having a handle at one side and a cover releasing lever on the handle, said receptacle having a bead at its upper marginal edge and having a bulged portion offset outwardly adjacent the handle and lever, and a cover removably fitting on the receptacle and having a depending bead adapted to engage over the bead of the receptacle, said outwardly bulged portion of the receptacle bead yieldably binding against the cover bead to hold the same in interlocking relation with the receptacle and at a point adjacent said releasing lever.

Applications—Paper Prepared On

In view of the difficulty which the Patent Office experiences with applications which are prepared on inferior grades of paper or on paper of unsuitable weight, it is suggested that all patent applications be submitted on 20 pound bond paper having a rag content of at least 25 percent. It is noted that deviations below this standard tend to retard the work of the office.

C. E. HAGLUND,
June 27, 1951. *Executive Officer Patent Office.*

Adjudicated Patents

(C. A. Ill.) Holden Patent No. 2,224,433, for an air current deflector. Claim 1 *Held* not infringed. *Peters and Russell* v. *Dorfman*, 188 F.2d 711; 89 USPQ 351.

(C. A. Ill.) Fry Patent No. 2,292,628, for a coin selector, *Held* infringed. *National Rejectors* v. *A. B. T. Mfg. Corp.*, 188 F.2d 706; 89 USPQ 508.

(D. C. Ill.) Demcak Patent No. 2,267,973, for an examining table. Claims 2 and 4 *Held* invalid. *Hamilton Mfg. Co.* v. *Illinois Surgical Supply*, 97 F. Supp. 235; 88 USPQ 346.

(C. A. N. Y.) Lenox Patent No. 2,434,363, for a spool, *Held* invalid. *Lenox* v. *Landers*, 188 F.2d 744; 89 USPQ 227.

(D. C. Conn.) Schreyer Patent No. 2,475,572, for an electric steam iron. Claims 1–4, 6, 7, 11, 12, and 14 *Held* valid and infringed, claim 8 *Held* valid but not infringed, and claim 18 *Held* invalid. *Schreyer* v. *Casco Products Corp.*, 97 F. Supp. 159; 88 USPQ 515.

(C. A. Ill.) Russell Patent No. 2,478,161, for a wind deflector, *Held* invalid and not infringed. *Peters and Russell* v. *Dorfman*, 188 F.2d 711; 89 USPQ 351.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

2,405,988, A. J. Barry, Organo-silicon esters and materials treated therewith, decided Apr. 10, 1951, claim 4.

2,422,814, C. G. Alexander, Stamp pad, decided Apr. 16, 1951, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11.

2,446,811, R. A. Crawford, Self-sealing fuel tank construction, decided Mar. 29, 1951, claims 1, 2, 3, 4, 5 and 6.

Interference Notice

Pallmall Knitting Mills, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of H. H. Brown Shoe Co., Inc., 45 Grand Street, Worcester, Massachusetts, No. 580,121, for registration of a trade-mark and Registration No. 334,410, issued May 5, 1936, to Pallmall Knitting Mills, 1217 Spring Garden Street, Philadelphia, Pennsylvania, and the notice of such declaration sent by registered mail to the said Pallmall Knitting Mills at the said address having been returned by the Post Office undeliverable, notice is hereby given that unless Pallmall Knitting Mills, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
June 12, 1951. *Assistant Commissioner of Patents.*

Cancellation Notices

Dixon Flavor & Extract Co., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the petition of Nebi Corporation, 10th Street and 9th Avenue, Columbus, Georgia, to effect the cancellation of trade-mark registration of Dixon Flavor & Extract Co., No. 381,155, dated September 10, 1940. The assignment records of this Office show a transfer of title to this registration to House-Hold-Pac Corporation, San Francisco, California, who has been substituted for said Dixon Flavor & Extract Co. to defend the registration concerned. The notice of such proceeding sent by registered mail to said House-Hold-Pac Corporation, at its address of record, San Francisco, California, having been returned by the Post Office undeliverable, notice is hereby given that unless said Dixon Flavor & Extract Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
June 12, 1951. *Assistant Commissioner of Patents.*

Samuel R. Strisik, his assigns or legal representatives, take notice:

A proceeding having been instituted by this Office upon an application of Flour Mills of America, Inc., of 20 West Ninth Street, Kansas City, Missouri, to effect cancellation of Registration No. 137,139, dated November 23, 1920, and notice of such proceeding sent by mail to the aforesaid Samuel R. Strisik having been returned by the Post Office as being undeliverable, notice is hereby given that unless said Samuel R. Strisik or his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
June 19, 1951. *Assistant Commissioner of Patents.*

Stonex Industries, Inc., its assigns or legal representatives, take notice:

A proceeding having been instituted by this Office upon an application of Gustav Grothman, 16585 North West Second Avenue, R. F. D. #1, North Miami, Florida, to effect cancellation of Registration No. 382,993, issued November 19, 1940, to August H. Sexton and later assigned to the aforesaid Stonex Industries, Inc., notice is hereby given that unless said Stonex Industries, Inc., or its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order, the cancellation may be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
June 20, 1951. *Assistant Commissioner of Patents.*

Clinton S. Robison, his assigns or legal representatives, take notice:

A proceeding having been instituted by this Office upon application of Cecil Corporation, Chicago, Illinois, to effect cancellation of Registration No. 350,730, dated October 5, 1937, and the assignment records of the Patent Office affecting such registration being in part defective or incomplete, notice is hereby given that unless said Clinton S. Robison, or his assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order, the cancellation may be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
June 20, 1951. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Swift & Company has placed the following six patents on the Register as available for licensing, in addition to several hundred offered in previous years. Inquiries concerning licenses may be directed to Swift & Company, Union Stock Yards, Chicago 9, Ill.

Pat. 2,484,788. Deodorization and Distillation of Fats. Patented Oct. 11, 1949. Apparatus for deodorizing fats, wherein the fat material is placed in a still and continuously subjected to a high degree of vacuum. A cyclone separator mounted in a fat-treating chamber has a series of jets about its periphery. A conduit extends downwardly from separator below level of the fat. When the vapors enter the conduit, they undergo an abrupt change of direction and throw out any liquid droplets remaining in the vapors. The fat-free vapors are withdrawn from top of separator and discharged from the chamber. Groups 20—11—92; 28—95; 35—51—69. Reg. No. 42,936.

Pat. 2,521,234. Solvent Fractionation of Fatty Material. Patented Sept. 5, 1950. Solvent treatment of fatty materials to recover vitamins and sterols from glyceride oils while at the same time producing a more stable and neutral oil having improved qualities of color, flavor, and odor stability. Crude fatty oils, such as soybean oils, are treated with liquefied propane or other normally gaseous hydrocarbons under a temperature and pressure which separate the oils into two phases. The lighter top phase is rich in vitamins, and the heavier bottom phase includes the sterols. A highly neutral and stable oil may be produced by further separation of the heavier phase. This is accomplished by altering the temperature, pressure, and solvent ratio. Groups 20—92; 28—21—23—25—29—31—83. Reg. No. 42,937.

Pat. 2,527,330. Banding Machine. Patented Oct. 24, 1950. Manually operated machine for manipulating a strip of labels so as to apply the end label around an elongated package, such as frankfurters, with the ends of the label overlapped and heat-sealed together, and then severing the label from the strip. A forming ring is provided for guiding the label into loop form. An anvil attached to frame of machine adjacent the sealing station presents a rigid surface behind the overlapped portions of the label during the sealing operation. A presser lever adjacent the forming ring is movable into position to hold the package against the anvil during the sealing operation. Groups 20—13; 35—51. Reg. No. 42,938.

Pat. 2,527,341. Valve Actuating Mechanism. Patented Oct. 24, 1950. Valve-actuating mechanism for a four-way control valve of a power cylinder of a container-filling machine of the type for extruding a predetermined amount of ground meat or cheese during each filling operation. A piston within the power cylinder simultaneously actuates a pair of interconnected four-way control valves of the booster and metering cylinders of machine. Placing an empty container in filling position will thrust a rod of the valve-actuating mechanism downwardly so that operation of power piston and filling apparatus will automatically occur to fill container. As container is being filled, it is gradually forced upwardly, releasing pressure on the rod so that machine is ready for next filling operation. Groups 20—11—13—15—25—33; 35—51. Reg. No. 42,939.

Pat. 2,528,482. Recovery of Sterols From Wool Fat. Patented Oct. 31, 1950. Process for recovering sterols and sterol esters contained in the wool fatty material obtained from wool scouring waters. The fatty material is subjected to a decolorizing operation in the presence of a liquefied normally gaseous hydrocarbon solvent at temperatures from 160° F. to 170° F. and pressures of from 550 to 600 pounds per square inch. The color bodies separate as a liquid phase. The fatty material is subjected to a fractionating operation, and a liquid phase rich in sterols and sterol esters separates from a heavier phase containing the major portion of the fatty material. Group 28—29—81—95. Reg. No. 42,940.

Pat. 2,529,446. Gum Guaiac Treatment. Patented Nov. 7, 1950. Method of treating gum guaiac to prevent color formation when used to stabilize fatty materials to be used as a shortening in preparing baked products. A solution of gum guaiac is treated with hydrogen peroxide while allowing the temperature to rise not in excess of 170° F. until the color-forming characteristic of the gum guaiac is destroyed. Example given in patent. Group 20—92. Reg. No. 42,941.

Pat. 2,505,393. Combined Filter, Drier, Heat Exchanger, and Surge Resistor for Electrical Refrigerators. Patented Apr. 25, 1950. Combined filter and dehydrator unit for electrical refrigerators has a space for trapping non-condensable gases, air, etc. A cylindrical container has an inner chamber into which refrigerant from evaporator is directed. High pressure refrigerant from compressor passes through a surrounding outer chamber containing a filter screen. A space is provided between the chambers for a dehydrating agent. The refrigerant in outer chamber causes refrigerant in inner chamber to boil off as a relief from the surge liquid and change to a low pressure gas which enters compressor unit. (Owner) William H. Garner, 1532 Hicks St., Augusta, Ga. Groups 33—71; 35—84. Reg. No. 42,942.

Pat. 2,498,457. Control System for Electric Valves. Patented Feb. 21, 1950. A grid extinguishing system to prevent arc-backs in electric valves blocks the anodes before arc-back occurs. The system includes a relay with circuit means for energizing the relay by a fraction of the arc voltage. When the fraction of arc voltage exceeds a predetermined value, the control grid of the valve is conductively connected to negative terminal of a direct current circuit, and the grid extinguishing system becomes operative and blocks the anode associated with the grid. Modifications are shown. (Owner) Maschinenfabrik Oerlikon. Correspondence to Benjamin Roman, 130 West 42d St., New York 18, N. Y. Group 36—19. Reg. No. 42,943.

Pat. 2,430,666. Electric Soldering Iron. Patented Nov. 11, 1947. Soldering iron has an outer tubular conductor and a solid inner conductor with an insulator handle on the rear end of the tube and a copper soldering tip screwed into forward end of tube. The rear end of the solid conductor is surrounded by an insulator block inside the tube, and the forward end has a cup engaging the end of a carbon electrode extending into a socket in soldering tip. A spring biases the solid conductor in a direction to maintain the cup, the carbon electrode and soldering tip in electrical contact. An extension cord extending into rear end of the handle is connected to the rear ends of the tubular and solid conductors. (Owner) Walter R. Burger, Route 2, Box 422, Portland 10, Oreg. Group 36—21. Reg. No. 42,944.

Pat. 2,533,099. Photographic Camera. Patented Dec. 5, 1950. Commercial studio camera for taking pictures of various sizes has several compartments through which the film is advanced, and a cutting device for severing exposed strips of film, which drop into a collecting box. The film may be retracted out of the exposure compartment for focusing purposes so that a door in the back of the compartment may be opened to permit operator to view a transverse focusing screen inside the compartment with camera shutter open to focus camera on a customer. As the film is advanced into the exposure compartment, it causes a series of lights to be successively extinguished to indicate to operator when the film is completely over the face of the focusing screen. Retracting the film out of the exposure compartment causes the lights to successively light up so that operator will know when the film is completely out of the compartment. (Co-owner) Charles H. Earhart, 7917 South State St., Midvale, Utah. Group 39—12. Reg. No. 42,945.

General Electric Company has placed the patents listed below on the Register as available for non-exclusive licensing on reasonable terms. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following 98 patents are available for non-exclusive licensing, to domestic manufacturers.

Included among these patents are: Electrical generating apparatus; transformers; voltage regulating systems and phase converters; circuit interrupters and protective arrangements; power transmission lines and network type current distribution systems; starting and operating circuits and apparatus for fluorescent lamps; a casing for small electrical devices, such as a reactor and a thermal switch for a fluorescent lamp circuit; a powdered iron bonded magnetic core for high frequency application; a terminal for coils of fine wire; and methods and apparatus for assembling coils and cores for transformers. Also included are: Electric motors; magnetic sound recording, reproducing, and erasing apparatus; a small electric driven pump for clothes washing machines; a spark plug for operation at high altitudes; and a high speed spindle for use in spinning artificial silk. Groups 36—11—19—41 through 62; 35—61; 37—22. Reg. Nos. 42,946 through 43,043.

Pat. 2,526,443. Electric Motor-Driven Pump. Oct. 17, 1950.

Pat. 2,532,803. Magnetic Recording, Reproducing, and Erasing Apparatus. Dec. 5, 1950.

Pat. 2,532,811. Electric Cutout. Dec. 5, 1950.

Pat. 2,532,258. Electric Circuit Interrupter. Nov. 28, 1950.

Pat. 2,532,259. Electric Circuit Interrupter. Nov. 28, 1950.

Pat. 1,986,622. Regulation Compensating Arrangement. Jan. 1, 1935.

Pat. 2,249,506. Stationary Induction Apparatus. July 15, 1941.

Pat. 2,260,011. Stationary Induction Apparatus. Oct. 21, 1941.

Pat. 2,282,854. Stationary Induction Apparatus. May 12, 1942.

Pat. 2,284,466. Casing for Electrical Apparatus. May 26, 1942.

Pat. 2,303,165. Discharge Lamp Apparatus. Nov. 24, 1942.

Pat. 2,328,037. Voltage Regulator. Aug. 31, 1943.

Pat. 2,328,464. Regulating Circuit. Aug. 31, 1943.

Pat. 2,367,625. Voltage Regulator Circuit. Jan. 16, 1945.

Pat. 2,400,364. Spark Plug Construction. May 14, 1946.

Pat. 2,404,254. Electrical Apparatus. July 16, 1946.

Pat. 2,417,272. Power Supply and Voltage Limiter. Mar. 11, 1947.

Pat. 2,419,847. Powdered Iron Magnetic Core. Apr. 29, 1947.

Pat. 2,432,343. Electromagnetic Induction Apparatus. Dec. 9, 1947.

Pat. 2,434,493. Voltage Stabilizing Transformer. Jan. 13, 1948.

Pat. 2,445,587. Electric Terminal and Coil. July 20, 1948.

Pat. 2,446,033. High Reactance Transformer. July 27, 1948.

Pat. 2,464,029. Method of Making Transformers. Mar. 8, 1949.

Pat. 2,467,863. Phase Converter. Apr. 19, 1949.

Pat. 1,969,542. Electrical Distribution System. Aug. 7, 1934.

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Pat. 1,998,304. Electrical Distribution System. Apr. 16, 1935.

Pat. 2,008,506. Alternating Current Distribution System. July 16, 1935.

Pat. 2,020,972. Protective Arrangement for Electric Systems. Nov. 12, 1935.

Pat. 2,027,189. Control and Protection of Electric Circuits. Jan. 7, 1936.

Pat. 2,057,529. Electrical Distribution System. Oct. 13, 1936.

Pat. 2,065,339. System of Alternating Current Distribution. Dec. 22, 1936.

Pat. 2,086,421. Electric Transmission System. July 6, 1937.

Pat. 2,091,870. Electrical Regulation. Aug. 31, 1937.

Pat. 2,093,310. Electric Circuit. Sept. 14, 1937.

Pat. 2,149,083. System of Electrical Distribution. Feb. 28, 1939.

Pat. 2,215,312. Excitation Control System for Synchronous Machines. Sept. 17, 1940.

Pat. 2,224,623. Protection of Alternating Current Electric Systems. Dec. 10, 1940.

Pat. 2,258,234. Protection of Alternating Current Electric Systems. Oct. 7, 1941.

Pat. 2,258,246. Protection of Alternating Current Electric Systems. Oct. 7, 1941.

Pat. 2,258,251. Protection of Alternating Current Electric Systems. Oct. 7, 1941.

Pat. 2,285,192. Control Equipment. June 2, 1942.

Pat. 2,294,773. Series Capacitor Arrangement. Sept. 1, 1942.

Pat. 2,311,370. Automatic Reclosing Circuit Breaker Equipment. Feb. 16, 1943.

Pat. 2,315,489. Electric Drive. Apr. 6, 1943.

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Pat. 2,315,491. Electric Drive. Apr. 6, 1943.

Pat. 2,326,149. Protection of Alternating Current Electric Power Systems. Aug. 10, 1943.

Pat. 2,336,872. Protection of Alternating Current Electric Power Systems. Dec. 14, 1943.

Pat. 2,345,430. Direct Current Transformer. Mar. 28, 1944.

Pat. 1,976,554. Dynamo-Electric Machine. Oct. 9, 1934.

Pat. 1,980,808. Alternating Current Generator. Nov. 13, 1934.

Pat. 2,002,793. Electric Motor Construction. May 28, 1935.

Pat. 2,019,323. Alternating Current Motor. Oct. 29, 1935.

Pat. 2,021,000. High Voltage Generator. Nov. 12, 1935.

Pat. 2,024,161. Magneto Generator. Dec. 17, 1935.

Pat. 2,059,872. Spinning Spindle. Nov. 3, 1936.

Pat. 2,070,447. Alternating Current Motor. Feb. 9, 1937.

Pat. 2,078,805. Permanent Magnet Dynamo-Electric Machine. Apr. 27, 1937.

Pat. 2,084,907. Centrifugal Switch. June 22, 1937.

Pat. 2,096,621. Mounting for Electric Motors and the Like. Oct. 19, 1937.

Pat. 2,098,062. Carbon Brush. Nov. 2, 1937.

Pat. 2,099,554. Shiftable Brush Rigging. Nov. 16, 1937.

Pat. 2,105,514. Self-Reversing Motor Drive. Jan. 18, 1938.

Pat. 2,108,662. Inductor Dynamo-Electric Machine. Feb. 15, 1938.

Pat. 2,109,991. Current Collecting Device. Mar. 1, 1938.

Pat. 2,109,992. Method of Making Current Collecting Devices. Mar. 1, 1938.

Pat. 2,112,741. Speed Regulation. Mar. 29, 1938.

Pat. 2,128,823. Mounting for Dynamo-Electric Machines. Aug. 30, 1938.

Pat. 2,146,603. Reversible Inductor Motor. Feb. 7, 1939.

Pat. 2,176,118. Electric Motor. Oct. 17, 1939.

Pat. 2,183,404. Hysteresis Torque Motor. Dec. 12, 1939.

Pat. 2,195,254. Insulating Material Containing Mica. Mar. 26, 1940.

Pat. 2,204,402. Dynamo-Electric Machine. June 11, 1940.

Pat. 2,220,763. Speed Regulator. Nov. 5, 1940.

Pat. 2,233,924. Dynamoelectric Machine. Mar. 4, 1941.

Pat. 2,241,073. Dynamoelectric Machine. May 6, 1941.

Pat. 2,246,270. Dynamoelectric Machine. June 17, 1941.

Pat. 2,253,191. Dynamoelectric Machine. Aug. 19, 1941.

Pat. 2,269,160. Dynamoelectric Machine. Jan. 6, 1942.

Pat. 2,285,201. Dynamoelectric Apparatus. June 2, 1942.

Pat. 2,285,970. Brush Holding Device. June 9, 1942.

Pat. 2,295,305. Motor Circuit. Sept. 8, 1942.

Pat. 2,311,409. Speed Governor. Feb. 16, 1943.

Pat. 2,322,020. Commutator. June 15, 1943.

Pat. 2,324,327. Dynamoelectric Machine Brush Rigging. July 13, 1943.

Pat. 2,351,997. Dynamoelectric Machine Drive. June 20, 1944.

Pat. 2,357,111. Commutator. Aug. 29, 1944.

Pat. 2,379,732. Alternating Current Vernier Motor. July 3, 1945.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Swift & Company has placed the following six patents on the Register as available for licensing, in addition to several hundred offered in previous years. Inquiries concerning licenses may be directed to Swift & Company, Union Stock Yards, Chicago 9, Ill.

Pat. 2,484,788. Deodorization and Distillation of Fats. Patented Oct. 11, 1949. Apparatus for deodorizing fats, wherein the fat material is placed in a still and continuously subjected to a high degree of vacuum. A cyclone separator mounted in a fat-treating chamber has a series of jets about its periphery. A conduit extends downwardly from separator below level of the fat. When the vapors enter the conduit, they undergo an abrupt change of direction and throw out any liquid droplets remaining in the vapors. The fat-free vapors are withdrawn from top of separator and discharged from the chamber. Groups 20—11—92; 28—95; 35—51—69. Reg. No. 42,936.

Pat. 2,521,234. Solvent Fractionation of Fatty Material. Patented Sept. 5, 1950. Solvent treatment of fatty materials to recover vitamins and sterols from glyceride oils while at the same time producing a more stable and neutral oil having improved qualities of color, flavor, and odor stability. Crude fatty oils, such as soybean oils, are treated with liquefied propane or other normally gaseous hydrocarbons under a temperature and pressure which separate the oils into two phases. The lighter top phase is rich in vitamins, and the heavier bottom phase includes the sterols. A highly neutral and stable oil may be produced by further separation of the heavier phase. This is accomplished by altering the temperature, pressure, and solvent ratio. Groups 20—92; 28—21—23—25—29—31—83. Reg. No. 42,937.

Pat. 2,527,330. Banding Machine. Patented Oct. 24, 1950. Manually operated machine for manipulating a strip of labels so as to apply the end label around an elongated package, such as frankfurters, with the ends of the label overlapped and heat-sealed together, and then severing the label from the strip. A forming ring is provided for guiding the label into loop form. An anvil attached to frame of machine adjacent the sealing station presents a rigid surface behind the overlapped portions of the label during the sealing operation. A presser lever adjacent the forming ring is movable into position to hold the package against the anvil during the sealing operation. Groups 20—13; 35—51. Reg. No. 42,938.

Pat. 2,527,341. Valve Actuating Mechanism. Patented Oct. 24, 1950. Valve-actuating mechanism for a four-way control valve of a power cylinder of a container-filling machine of the type for extruding a predetermined amount of ground meat or cheese during each filling operation. A piston within the power cylinder simultaneously actuates a pair of interconnected four-way control valves of the booster and metering cylinders of machine. Placing an empty container in filling position will thrust a rod of the valve-actuating mechanism downwardly so that operation of power piston and filling apparatus will automatically occur to fill container. As container is being filled, it is gradually forced upwardly, releasing pressure on the rod so that machine is ready for next filling operation. Groups 20—11—13—15—25—33; 35—51. Reg. No. 42,939.

Pat. 2,528,482. Recovery of Sterols From Wool Fat. Patented Oct. 31, 1950. Process for recovering sterols and sterol esters contained in the wool fatty material obtained from wool scouring waters. The fatty material is subjected to a decolorizing operation in the presence of a liquefied normally gaseous hydrocarbon solvent at temperatures from 160° F. to 170° F. and pressures of from 550 to 600 pounds per square inch. The color bodies separate as a liquid phase. The fatty material is subjected to a fractionating operation, and a liquid phase rich in sterols and sterol esters separates from a heavier phase containing the major portion of the fatty material. Group 28—29—81—95. Reg. No. 42,940.

Pat. 2,529,446. Gum Guaiac Treatment. Patented Nov. 7, 1950. Method of treating gum guaiac to prevent color formation when used to stabilize fatty materials to be used as a shortening in preparing baked products. A solution of gum guaiac is treated with hydrogen peroxide while allowing the temperature to rise not in excess of 170° F. until the color-forming characteristic of the gum guaiac is destroyed. Example given in patent. Group 20—92. Reg. No. 42,941.

Pat. 2,505,393. Combined Filter, Drier, Heat Exchanger, and Surge Resistor for Electrical Refrigerators. Patented Apr. 25, 1950. Combined filter and dehydrator unit for electrical refrigerators has a space for trapping non-condensable gases, air, etc. A cylindrical container has an inner chamber into which refrigerant from evaporator is directed. High pressure refrigerant from compressor passes through a surrounding outer chamber containing a filter screen. A space is provided between the chambers for a dehydrating agent. The refrigerant in outer chamber causes refrigerant in inner chamber to boil off as a relief from the surge liquid and change to a low pressure gas which enters compressor unit. (Owner) William H. Garner, 1532 Hicks St., Augusta, Ga. Groups 33—71; 35—84. Reg. No. 42,942.

Pat. 2,498,457. Control System for Electric Valves. Patented Feb. 21, 1950. A grid extinguishing system to prevent arc-backs in electric valves blocks the anodes before arc-back occurs. The system includes a relay with circuit means for energizing the relay by a fraction of the arc voltage. When the fraction of arc voltage exceeds a predetermined value, the control grid of the valve is conductively connected to negative terminal of a direct current circuit, and the grid extinguishing system becomes operative and blocks the anode associated with the grid. Modifications are shown. (Owner) Maschinenfabrik Oerlikon. Correspondence to Benjamin Roman, 130 West 42d St., New York 18, N. Y. Group 36—19. Reg. No. 42,943.

Pat. 2,430,666. Electric Soldering Iron. Patented Nov. 11, 1947. Soldering iron has an outer tubular conductor and a solid inner conductor with an insulator handle on the rear end of the tube and a copper soldering tip screwed into forward end of tube. The rear end of the solid conductor is surrounded by an insulator block inside the tube, and the forward end has a cup engaging the end of a carbon electrode extending into a socket in soldering tip. A spring biases the solid conductor in a direction to maintain the cup, the carbon electrode and soldering tip in electrical contact. An extension cord extending into rear end of the handle is connected to the rear ends of the tubular and solid conductors. (Owner) Walter R. Burger, Route 2, Box 422, Portland 10, Oreg. Group 36—21. Reg. No. 42,944.

Pat. 2,533,099. Photographic Camera. Patented Dec. 5, 1950. Commercial studio camera for taking pictures of various sizes has several compartments through which the film is advanced, and a cutting device for severing exposed strips of film, which drop into a collecting box. The film may be retracted out of the exposure compartment for focusing purposes so that a door in the back of the compartment may be opened to permit operator to view a transverse focusing screen inside the compartment with camera shutter open to focus camera on a customer. As the film is advanced into the exposure compartment, it causes a series of lights to be successively extinguished to indicate to operator when the film is completely over the face of the focusing screen. Retracting the film out of the exposure compartment causes the lights to successively light up so that operator will know when the film is completely out of the compartment. (Co-owner) Charles H. Earhart, 7917 South State St., Midvale, Utah. Group 39—12. Reg. No. 42,945.

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Pat. 2,367,625. Voltage Regulator Circuit. Jan. 16, 1945.

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Pat. 2,432,343. Electromagnetic Induction Apparatus. Dec. 9, 1947.

Pat. 2,434,403. Voltage Stabilizing Transformer. Jan. 13, 1948.

Pat. 2,445,587. Electric Terminal and Coil. July 20, 1948.

Pat. 2,446,033. High Reactance Transformer. July 27, 1948.

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Pat. 2,467,863. Phase Converter. Apr. 19, 1949.

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Pat. 1,998,304. Electrical Distribution System. Apr. 16, 1935.

Pat. 2,008,506. Alternating Current Distribution System. July 16, 1935.

Pat. 2,020,972. Protective Arrangement for Electric Systems. Nov. 12, 1935.

Pat. 2,027,189. Control and Protection of Electric Circuits. Jan. 7, 1936.

Pat. 2,057,529. Electrical Distribution System. Oct. 13, 1936.

Pat. 2,065,339. System of Alternating Current Distribution. Dec. 22, 1936.

Pat. 2,086,421. Electric Transmission System. July 6, 1937.

Pat. 2,091,870. Electrical Regulation. Aug. 31, 1937.

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Pat. 2,215,312. Excitation Control System for Synchronous Machines. Sept. 17, 1940.

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Pat. 2,258,234. Protection of Alternating Current Electric Systems. Oct. 7, 1941.

Pat. 2,258,246. Protection of Alternating Current Electric Systems. Oct. 7, 1941.

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Pat. 2,285,192. Control Equipment. June 2, 1942.

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Pat. 2,315,489. Electric Drive. Apr. 6, 1943.

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Pat. 2,326,149. Protection of Alternating Current Electric Power Systems. Aug. 10, 1943.

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Pat. 2,021,000. High Voltage Generator. Nov. 12, 1935.

Pat. 2,024,161. Magneto Generator. Dec. 17, 1935.

Pat. 2,059,872. Spinning Spindle. Nov. 3, 1936.

Pat. 2,070,447. Alternating Current Motor. Feb. 9, 1937.

Pat. 2,078,805. Permanent Magnet Dynamo-Electric Machine. Apr. 27, 1937.

Pat. 2,084,907. Centrifugal Switch. June 22, 1937.

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Pat. 2,098,062. Carbon Brush. Nov. 2, 1937.

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Pat. 2,351,997. Dynamoelectric Machine Drive. June 20, 1944.

Pat. 2,357,111. Commutator. Aug. 29, 1944.

Pat. 2,379,732. Alternating Current Vernier Motor. July 3, 1945.

Pat. 2,401,187. Electric Induction Machine. May 28, 1946.

Pat. 2,404,246. Brush Rigging. July 16, 1946.

Pat. 2,421,592. Dynamoelectric Machine. June 3, 1947.

Pat. 2,435,112. Coupling. Jan. 27, 1948.

Pat. 2,456,934. Casing and Fastening Means Therefor. Dec. 21, 1948.

Pat. 2,466,476. Dynamoelectric Voltage Regulator. Apr. 5, 1949.

Pat. 2,467,870. Electric Motor Driving Mechanism. Apr. 19, 1949.

Pat. 2,478,639. Oiler. Aug. 9, 1948.

Pat. 2,483,898. Brush Holder. Oct. 4, 1949.

The following patents are available for non-exclusive licensing on reasonable terms.

Included among the following 60 patents are fluid and gas filled cables. Also included in the list are cable joints, terminals, reels, and insulation. Group 36—11—31—62. Reg. Nos. 43,044 through 43,103.

Pat. 1,970,393. Method of and Means for Connecting Reservoirs to Fluid Filled Cables. Aug. 14, 1934.

Pat. 1,977,325. High Voltage Cable. Oct. 16, 1934.

Pat. 1,978,233. Pressure Reservoir for Cables. Oct. 23, 1934.

Pat. 1,979,148. Joint for Electric Cables. Oct. 30, 1934.

Pat. 1,988,279. Terminal and Joint for Electric Cables. Jan. 15, 1935.

Pat. 1,991,230. Electric Cable System and Method of Installing the Same. Feb. 12, 1935.

Pat. 1,999,004. Dielectric Composition. Apr. 23, 1935.

Pat. 2,000,747. Fluid Stop Joint. May 7, 1935.

Pat. 2,000,748. Terminal for Electric Cables. May 7, 1935.

Pat. 2,004,769. Means for and Method of Detecting and Ascertaining the Region of Oil Leaks in Cable Systems. June 11, 1935.

Pat. 2,009,820. Apparatus for Impregnating Cables. July 30, 1935.

Pat. 2,013,537. Terminal for Electric Conductors. Sept. 3, 1935.

Pat. 2,015,542. Means for Temporarily Closing the Channels in Hollow Conductors of Fluid Filled Cables. Sept. 24, 1935.

Pat. 2,019,342. Joint. Oct. 29, 1935.

Pat. 2,048,516. Reel for Fluid Filled Cables. July 21, 1936.

Pat. 2,050,873. Method of and Means for Making Cable Sheaths. Aug. 11, 1936.

Pat. 2,050,888. Oil Filled High Voltage Cable. Aug. 11, 1936.

Pat. 2,052,422. So-called Semistop Joint for Fluid Filled Cable. Aug. 25, 1936.

Pat. 2,053,163. Joint for Fluid Filled Cables and Method of Making the Same. Sept. 1, 1936.

Pat. 2,056,017. High Tension Oil Filled Cable. Sept. 29, 1936.

Pat. 2,089,052. High Tension Cable System. Aug. 3, 1937.

Pat. 2,092,560. Alarm System for Fluid Filled Cables. Sept. 7, 1937.

Pat. 2,112,739. Stop Joint for Fluid Filled Cables. Mar. 29, 1938.

Pat. 2,112,740. High Tension Gas Filled Cable. Mar. 29, 1938.

Pat. 2,125,121. Terminal for Electric Cables. July 26, 1938.

Pat. 2,133,405. Oil Filled Cable and Means for Jointing the Same. Oct. 18, 1938.

Pat. 2,141,894. Cable for Transmitting Electric Power. Dec. 27, 1938.

Pat. 2,141,912. Power Transmission System. Dec. 27, 1938.

Pat. 2,145,182. High Pressure Fluid Insulated Electric Cable. Jan. 24, 1939.

Pat. 2,159,742. Gas Pressure Electric Cable. May 23, 1939.

Pat. 2,167,510. High Tension Gas Insulated Cable. July 25, 1939.

Pat. 2,173,717. Electrical System of Power Transmission. Sept. 19, 1939.

Pat. 2,176,749. Joint for Gas Filled Cable. Oct. 17, 1939.

Pat. 2,188,178. Connector for Sector Conductor Cables. Jan. 23, 1940.

Pat. 2,196,026. Fluid Filled Cable. Apr. 2, 1940.

Pat. 2,197,639. High Tension Cable System. Apr. 16, 1940.

Pat. 2,210,804. Connector for Cables. Aug. 6, 1940.

Pat. 2,215,290. High Pressure Gas Filled Cable. Sept. 17, 1940.

Pat. 2,216,010. High Tension Electric Cable. Sept. 24, 1940.

Pat. 2,217,104. Temporary Sealing Means for Gas Filled Cables. Oct. 8, 1940.

Pat. 2,220,728. Means for Controlling Liquid Pressure in Riser Cables. Nov. 5, 1940.

Pat. 2,221,670. Gas Insulated Electric Device. Nov. 12, 1940.

Pat. 2,222,718. Joint for High Tension Cables. Nov. 26, 1940.

Pat. 2,237,803. Control Means for Gas Filled Cables. Apr. 8, 1941.

Pat. 2,245,247. Variable Capacity Reservoir. June 10, 1941.

Pat. 2,248,588. Gas Filled Cable Installation. July 8, 1941.

Pat. 2,253,171. Gas Cable Installation. Aug. 19, 1941.

Pat. 2,253,984. Gas Filled Cable and Method of Making the Same. Aug. 26, 1941.

Pat. 2,253,985. Stop Joint for Gas Filled Cables and Method of Installing the Same. Aug. 26, 1941.

Pat. 2,253,986. Gas Filled Cable. Aug. 26, 1941.

Pat. 2,253,987. Terminal for Gas Filled Cables. Aug. 26, 1941.

Pat. 2,259,129. Gas Filled Cable. Oct. 14, 1941.

Pat. 2,275,866. Pressure Actuated Relay. Mar. 10, 1942.

Pat. 2,277,460. Gas Filled Cable Installation. Mar. 24, 1942.

Pat. 2,290,706. Cable Joint and Method of Making the Same. July 21, 1942.

Pat. 2,292,114. Stop Joint for Multi-Conductor Fluid Filled Cable. Aug. 4, 1942.

Pat. 2,295,290. Electric Power Cable. Sept. 8, 1942.

Pat. 2,358,621. Wiring Scheme for Oil Filled Relay Systems. Sept. 19, 1944.

Pat. 2,401,595. Gas Filled Cable Systems. June 4, 1946.

Pat. 2,401,996. Cable Terminal. June 11, 1946.

The following 9 patents relate to: High tension cables, and methods and apparatus for manufacturing the same; high potential terminals or bushings; overhead cable installation; and electricians' portable hydraulic presses for joining the ends of underground cables. Group 36—11—31. Reg. Nos. 43,104 through 43,112.

Pat. 2,092,647. Glass Insulated Underground Electric Cable. Sept. 7, 1937.

Pat. 2,099,581. Terminal for Lead Covered Cables. Nov. 16, 1937.

Pat. 2,136,238. Overhead Cable Installation. Nov. 8, 1938.

Pat. 2,141,910. Electric Cable. Dec. 27, 1938.

Pat. 2,158,855. Hydraulic Press for Cable Connectors. May 16, 1939.

Pat. 2,160,660. High Potential Terminal. May 30, 1939.

Pat. 2,180,979. Hydraulic Press. Nov. 12, 1939.

Pat. 2,195,998. High Tension Electric Cable and Method of Making the Same. Apr. 2, 1940.

Pat. 2,320,796. Method of Making High Tension Electric Cable. June 1, 1943.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 17, 1951

[VOL. 648. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 39

CLOTHING

Ser. No. 507,995. Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Filed Aug. 24, 1946. Under 10-year proviso as to "Merrimac."

SUPER-FELT
MERRIMAC

Applicant owns Registrations Nos. 421,014 and 346,919. The term "Super-Felt" is disclaimed.

For Men's, Women's, and Children's Hats and Hat Bodies.

Claims use since Mar. 1, 1935, as shown; and since 1856 as to "Merrimac."

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 485,830. Mabel Palmer, Vineburg, Calif. Filed July 14, 1945.

P.W.C.

For Animal Figures and Miniature Pins in the Nature of Insignia Both Made of Wood.

Claims use since Mar. 30, 1945.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 519,284. Middlebrooke Lancaster, Inc., New York, N. Y. Filed Mar. 19, 1947.

NUTRINE

For Toilet Soap.

Claims use since May 6, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 556,903. Monsanto Chemical Company, St. Louis, Mo. Filed May 12, 1948.

MONSANTO

For Wood Flour, Soya Bean Flour, and Silica Sols.

Claims use since January 1940.

Ser. No. 558,948. Société Anonyme des Terres Décolorantes Francaises Franterre, Paris, France. Filed June 10, 1948.

FRANCLAY

Applicant claims ownership of French Registration No. 411,191, dated July 15, 1947.

For Clays, Coal, Absorbent and Adsorbent Decolorizing Earths, Rubber in Bulk Sold for Use in the Manufacture of a Wide Variety of Rubber or Rubber Containing Articles of Commerce, All for General Use in the Industrial Arts.

Ser. No. 560,452. The De Pree Company, Holland, Mich. Filed June 30, 1948. (Classified in Class 4.)



The representation of the nurse shown in the drawing is fanciful. Applicant claims ownership of Registrations Nos. 106,222, 121,048, and 126,838.

For Alteratives, Antacid Preparations, Antiseptics, Aspirin Tablets, Astringents, Baby Oils, Castoria, Cod Liver Oil, Cold Capsules, Cough Drops, Cough Syrups, Demulcent Absorptives, Diuretics, Douche Powders, Ear Oils, Emulsions, Eye Drops, Eye Lotions, Foot Powders, Foot Salves, Foot Crystals, Corn Liquids, Halibut Liver Oil, Headache Capsules, Inhalants for Relief of Nasal Congestion, Insecticides, Laxatives in Liquid and Tablet Form, Liniments, Medicated Skin Creams, Medicated Skin Lotions, Medicated Skin Ointments, Milk of Magnesia in Liquid and Tablet Form, Mineral Oils, Mouth Washes, Nose and Throat Drops, Parasiticides, Petroleum Jellies, Rubbing Alcohol Compounds, Rubbing Oils, Sedative Compounds, Seidlitz Powders, Soda Mint Tablets, Sulfur Lozenges, Suppositories; Tonics for the Nerves, Blood, and General System; Toothache Drops, Uterine Sedatives, Vermifuges; Vitamin Products in Capsule, Tablet, and Liquid Form; Alum, Bicarbonate of Soda, Borax, Boric Acid, Catnip Herb, Chalk for Use as an Antacid and Dusting Powder, Compound Licorice Powder, Cream of Tartar, Epsom Salt, Flaxseed, Henna, Moth Crystals, Potassium Permanganate, Psillium Seed, Pumice Powder, Salicylic Acid, Salt Petre, Senna Leaves, Sugar of Lead, Sulfur, Turmeric Powder, Whiting Alba, Acetone, Aluminum Acetate, Ammonia, Arnica, Benzoin Compound, Calamine Lotion, Camphor, Camphorated Oil, Cascara Sagrada, Castor Oil, Oil of Clove, Dobell's Solution, Oil of Eucalyptus, Formaldehyde, Glycerin, Glycerin and Rose Water, Green Soap, Hydrogen Peroxide, Iodine, Germicides, Neat's-Foot Oil, Sweet Spirit of Nitre, Essence of Peppermint, Oil of Wintergreen, and Witch Hazel.

Claims use since Feb. 15, 1913.

Ser. No. 563,214. Polyplastex United, Inc., Elmhurst, N. Y. Filed Aug. 11, 1948.

POLYPLASTEX

For Sheets of Composite Fabrics Composed of Glass Fibre Webs Impregnated With Resinous Plastic Substances and Sold by It To Be Used by Others for Purposes Such as Lamp Shades, Paneling, Decorative Screens, Display Purposes and Other Uses in Industrial Arts.

Claims use since February 1944.

Ser. No. 569,965. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Dec. 4, 1948. (Sec. 2f.)

DU PONT

Applicant claims ownership of Registrations Nos. 221,766 and 387,746.

For Chemical Compounds, More Particularly Described as Being Synthetic Polymers and Copolymers of Acrylic Acid or Its Derivatives Produced in the Form of Fibers for Further Use in the Industrial Arts.

Claims use since Aug. 3, 1948.

Ser. No. 582,670. Oliver Perry Alford, III, Wye Neck, Md. Filed July 29, 1949.

LAZY RIVER

For Dairy Cattle.

Claims use since June 21, 1946.

Ser. No. 586,386. Bolton Leathers Limited, Bolton, England. Filed Oct. 13, 1949.

FLORAINE

Applicant claims ownership of British Registration No. 673,804, dated Oct. 23, 1948; and United States Registration No. 404,274.

For Leather in the Piece.

Ser. No. 588,559. California Farm Bureau Federation, Berkeley, Calif. Filed Sept. 26, 1949.

CALAPPROVED

For Alfalfa Seed.

Claims use since July 1932.

Ser. No. 598,188. Imperial Chemical & Plastics Corporation, Cranston, R. I. Filed May 26, 1950.

IMPERIALYTE

Texturized

Applicant claims ownership of Registration No. 522,740.

For Embossed Plastic Film in Sheet Form.

Claims use since Apr. 12, 1950.

Ser. No. 598,383. Northwood Fur Farms, Cary, Ill. Filed May 31, 1950.

BLUE HORIZON PASTEL

Applicant disclaims the words "Blue" and "Pastel."

For Mink Pelts and Live Minks.

Claims use since August 1948.

Ser. No. 599,005. Lee Patten Seed Company, Jersey City, N. J. Filed June 13, 1950.

A Patco SEED PRODUCT

The words "A," "Seed," and "Product" are disclaimed.

For Lawn Seed Mixture.

Claims use since Feb. 24, 1949.

Ser. No. 599,006. Lee Patten Seed Company, Jersey City, N. J. Filed June 13, 1950.

Patco

For Lawn Seed Mixture.

Claims use since Dec. 3, 1948.

Ser. No. 599,494. Berry Brothers, Quincy, Ill. Filed June 21, 1950.



The representation of a baby chick is disclaimed.

For Baby Chicks.

Claims use since Jan. 10, 1949.

Ser. No. 602,387. Ferro Enamel Corporation, Cleveland, Ohio. Filed Aug. 18, 1950.

Eagle

For Clays.

Claims use since Apr. 1, 1950.

Ser. No. 602,552. The Fuller Brush Company, Hartford, Conn. Filed Aug. 22, 1950.

MONORENE

For Synthetic Brush Fibers.

Claims use since May 19, 1950.

Ser. No. 602,629. Randall Fuel Company Incorporated, Atlanta, Ga. Filed Aug. 23, 1950.

BLUE JEAN

For Coal.

Claims use since Oct. 1, 1949.

Ser. No. 604,067. Bolton Leathers Limited, Bolton, England. Filed Sept. 27, 1950.

FLORELLA

Applicant claims ownership of British Registration No. 673,803, dated Oct. 23, 1948, also United States Registrations Nos. 404,274 and 403,854.

For Leather.

Ser. No. 604,108. Standard Insulation Company, East Rutherford, N. J. Filed Sept. 27, 1950.

SICO

Applicant claims ownership of Registration No. 231,047.

For Paper Board Lacquered or Varnished, Commonly Referred to as "Spot Crown Paper" and "Cap Liner Paper," Used for the Production of Lining Discs for Crown Caps, Threaded Caps, Screw Caps, Lug Caps, and Molded Caps.

Claims use since Jan. 1, 1917.

Ser. No. 604,580. Kimberly-Clark Corporation, Neenah, Wis. Filed Oct. 7, 1950.

Kimpreg

Applicant claims ownership of Registration No. 411,952.

For Paper and Creped Cellulose Wadding, Both Treated With a Resin or Polymer or a Combination Thereof for Conversion Into Various Articles of Manufacture.

Claims use since May 27, 1943.

Ser. No. 605,358. Genuine Leather Processing Corp., New York, N. Y. Filed Oct. 24, 1950.

INSOLITE

For Processed Leather and Sheet Leather.

Claims use since July 25, 1950.

Ser. No. 605,359. Genuine Leather Processing Corp., New York, N. Y. Filed Oct. 24, 1950.

MIDSOLITE

For Processed Leather and Sheet Leather.
Claims use since July 25, 1950.

Ser. No. 605,360. Genuine Leather Processing Corp., New York, N. Y. Filed Oct. 24, 1950.

SOLITE

For Processed Leather and Sheet Leather.
Claims use since July 25, 1950.

CLASS 2

RECEPTACLES

Ser. No. 589,954. Commodity House, Steubenville, Ohio. Filed Dec. 27, 1949.



For Paper Bags for Disposal of Sanitary Napkins.
Claims use since Dec. 21, 1949.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 560,452. The De Pree Company, Holland, Mich. Filed June 30, 1948.



The representation of the nurse shown in the drawing is fanciful. Applicant claims ownership of Registrations Nos. 106,222, 121,048, and 126,838.

For Alteratives, Antacid Preparations, Antiseptics, Aspirin Tablets, Astringents, Baby Oils, Castoria, Cod Liver Oil, Cold Capsules, Cough Drops, Cough Syrups, Demulcent Absorptives, Diuretics, Douche Powders, Ear Oils, Emulsions, Eye Drops, Eye Lotions, Foot Powders, Foot Salves, Foot Crystals, Corn Liquids, Halibut Liver Oil, Headache Capsules, Inhalants for Relief of Nasal Congestion, Insecticides, Laxatives in Liquid and Tablet Form, Liniments, Medicated Skin Creams, Medicated Skin Lotions, Medicated Skin Ointments, Milk of Magnesia in Liquid and Tablet Form, Mineral Oils, Mouth Washes, Nose and Throat Drops, Parasiticides, Petroleum Jellies, Rubbing Alcohol Compounds, Rubbing Oils, Sedative Compounds, Seidlitz Powders, Soda Mint Tablets, Sulfur Lozenges, Suppositories; Tonics for the Nerves, Blood, and General System; Toothache Drops, Uterine Sedatives, Vermifuges; Vitamin Products in Capsule, Tablet, and Liquid Form; Alum, Bicarbonate of Soda, Borax, Boric Acid, Catnip Herb, Chalk for Use as an Antacid and Dusting Powder, Compound Licorice Powder, Cream of Tartar, Epsom Salt, Flaxseed, Henna, Moth Crystals, Potassium Permanganate, Psillium Seed, Pumice Powder, Salicylic Acid, Salt Petre, Senna Leaves, Sugar of Lead, Sulfur, Turmeric Powder, Whiting Alba, Acetone, Aluminum Acetate, Ammonia, Arnica, Benzoin Compound, Calamine Lotion, Camphor, Camphorated Oil, Cascara Sagrada, Castor Oil, Oil of Clove, Dobell's Solution, Oil of Eucalyptus, Formaldehyde, Glycerin, Glycerin and Rose Water, Green Soap, Hydrogen Peroxide, Iodine, Germicides, Neat's-Foot Oil, Sweet Spirit of Nitre, Essence of Peppermint, Oil of Wintergreen, and Witch Hazel.
Claims use since Feb. 15, 1913.

Ser. No. 567,782. B. Heller & Company, Chicago, Ill. Filed Oct. 28, 1948. (Sec. 2f.)

$1000.00 Guaranteed

The word "Guaranteed" is disclaimed. Applicant claims ownership of Registrations Nos. 111,727, 144,659, 173,815, 174,010, 181,183, 182,512, 300,128, and 300,333.
For Cleaning and Polishing Preparations—Namely, Silver and Chromium Polish, Metal Polish, Bowl Cleaners, and Enamel Cleaners.
Claims use since Jan. 15, 1905.

Ser. No. 582,871. U. S. Chemical & Supply Co., Kansas City, Mo. Filed Aug. 2, 1949.

Z-4

For Liquid Metal Polish.
Claims use since Jan. 1, 1946.

Ser. No. 599,404. The Wilbert Products Co., Inc., New York, N. Y. Filed June 19, 1950.

Dolanize

For Self-Polishing Floor Wax.
Claims use since Jan. 23, 1950.

Ser. No. 600,559. Albert Y. Woodward, doing business as Custom Furniture Finishers Guild, Washington, D. C. Filed July 12, 1950.

FINISH FEEDER

The word "Finish" is disclaimed.
For Furniture Polish.
Claims use since Mar. 17, 1950.

CLASS 5

ADHESIVES

Ser. No. 582,868. U. S. Chemical & Supply Co., Kansas City, Mo. Filed Aug. 2, 1949.

Z-4

Applicant claims ownership of Registration No. 404,608.
For Liquid Preparation for Sealing Gaskets.
Claims use since July 1, 1947.

Ser. No. 604,447. Reichhold Chemicals, Inc., Detroit, Mich. Filed Oct. 4, 1950.

PLYACIEN

Applicant claims ownership of Registrations Nos. 408,699, 409,382, 410,091, and 411,720.
For Soya Bean Glue.
Claims use since Apr. 14, 1950.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 517,955. Arkansas Company, Inc., Newark, N. J. Original filed, act of 1905, Feb. 24, 1947; amended to application under act of 1946, Principal Register, July 18, 1950. (Sec. 2f.)

ANTHROLIC ACID

The word "Acid" is disclaimed. Applicant claims ownership of Registration No. 147,474.
For Fixing and Developing Compounds.
Claims use since Jan. 1, 1910.

Ser. No. 560,452. The De Pree Company, Holland, Mich. Filed June 30, 1948. (Classified in Class 4.)



The representation of the nurse shown in the drawing is fanciful. Applicant claims ownership of Registrations Nos. 106,222, 121,048, and 126,838.
For Alteratives, Antacid Preparations, Antiseptics, Aspirin Tablets, Astringents, Baby Oils, Castoria, Cod Liver Oil, Cold Capsules, Cough Drops, Cough Syrups, Demulcent Absorptives, Diuretics, Douche Powders, Ear Oils, Emulsions, Eye Drops, Eye Lotions, Foot Powders, Foot Salves, Foot Crystals, Corn Liquids, Halibut Liver Oil, Headache Capsules, Inhalants for Relief of Nasal Congestion, Insecticides, Laxatives in Liquid and Tablet Form, Liniments, Medicated Skin Creams, Medicated Skin Lotions, Medicated Skin Ointments, Milk of Magnesia in Liquid and Tablet Form, Mineral Oils, Mouth Washes, Nose and Throat Drops, Parasiticides, Petroleum Jellies, Rubbing Alcohol Compounds, Rubbing Oils, Sedative Compounds, Seidlitz Powders, Soda Mint Tablets, Sulfur Lozenges, Suppositories; Tonics for the Nerves, Blood, and General System; Toothache Drops, Uterine Sedatives, Vermifuges; Vitamin Products in Capsule, Tablet, and Liquid Form; Alum, Bicarbonate of Soda, Borax, Boric Acid, Catnip Herb, Chalk for Use as an Antacid and Dusting Powder, Compound Licorice Powder, Cream of Tartar, Epsom Salt, Flaxseed, Henna, Moth Crystals, Potassium Permanganate, Psillium Seed, Pumice Powder, Salicylic Acid, Salt Petre, Senna Leaves, Sugar of Lead, Sulfur, Turmeric Powder, Whiting Alba, Acetone, Aluminum Acetate, Ammonia, Arnica, Benzoin Compound, Calamine Lotion, Camphor, Camphorated Oil, Cascara Sagrada, Castor Oil, Oil of Clove, Dobell's Solution, Oil of Eucalyptus, Formaldehyde, Glycerin, Glycerin and Rose Water, Green Soap, Hydrogen Peroxide, Iodine, Germicides, Neat's-Foot Oil, Sweet Spirit of Nitre, Essence of Peppermint, Oil of Wintergreen, and Witch Hazel.
Claims use since Feb. 15, 1913.

Ser. No. 566,224. Gold Eagle Products Co., Chicago, Ill. Filed Oct. 1, 1948. (Classified in Class 52.)

GOLD EAGLE

For Hydraulic Brake Fluid, Radiator Flush, Hydraulic Shock Absorber Fluid, Knee Action Fluid, and Fire Extinguisher Fluid.
Claims use since Sept. 30, 1932.

Ser. No. 566,822. Emery Industries, Inc., Cincinnati, Ohio. Filed Aug. 24, 1948.

EMERSOL

For Liquid and Solid Fatty Acids.
Claims use since Sept. 27, 1945.

Ser. No. 569,586. Attapulgus Clay Company, Philadelphia, Pa., assignee of Charles M. Addis, doing business as Refiners Lubricating Company. Filed Nov. 30, 1948. (Classified in Class 52.) (Sec. 2f.)

SPEEDI-DRI

For Floor Cleaning Compounds Having Oil and Water Absorbent and Incidental Fire Prevention Properties.
Claims use since May 19, 1941.

Ser. No. 576,344. Meyerhans Produkte A. G. (Meyerhans Products Ltd.), Weinfelden, Switzerland, now by change of name Meypro A. G. (Meypro S. A.) (Meypro Ltd.) Filed Mar. 30, 1949.

MEYPRO

Applicant claims ownership of Swiss Registration No. 12,673, dated Aug. 13, 1947.

For Vegetable Products in the Form of Flakes, Semolina, Flour and Powder Pure or in Combination With Other Substances Used as Emulsifying Medium, for Textile and Paper Industries, and for Use as an Emulsifying Medium Generally in the Industrial Arts.

Claims use in Switzerland since August 1947; and first used in commerce between Switzerland and the United States since December 1947.

Ser. No. 578,461. Patek & Co., San Francisco, Calif. Filed May 9, 1949.

LUSTROL

For Sizing for the Treatment of Fabrics.
Claims use since 1932.

Ser. No. 579,081. Camp Chemical Company, Inc., Brooklyn, N. Y. Filed May 19, 1949. (Classified in Class 52.)

CAMP

For Chemical Compound Used to Clean, Purify and Deodorise Cesspools, Septic Tanks, Drainage Lines, Grease Traps, Seepage Pools, and the Like; a Chemical Compound and to Clean and Condition Cesspools, Septic Tanks, and the Like, Having Disinfecting and Deodorizing Properties.
Claims use since Mar. 1, 1947.

Ser. No. 579,089. Food Machinery and Chemical Corporation, San Jose, Calif. Filed May 19, 1949.

Niagrol

For Parasiticides.
Claims use since May 19, 1936.

Ser. No. 579,541. The M. W. Kellogg Company, Jersey City, N. J., and New York, N. Y. Filed May 26, 1949.

KEL-FLO

For Fluorinated Polymer Oil Adapted for Such Uses as a Plasticizer, Lubricant, Hydraulic, or Insulating Fluid, Solvent, or Transformer Oil.
Claims use since Aug. 16, 1948.

Ser. No. 579,937. Mark Laboratories, Inc., Pittsburgh, Pa. Filed June 3, 1949.

MARK 4

Applicant claims ownership of Registration No. 316,877.

For Germicide, Fungicide and Disinfectant Preparations for General Sanitation, and for Disinfecting Instruments, Combs, Brushes, Clippers and Similar Equipment, Sinks, Wash Bowls, Toilets, Floors, Etc.; a Germicidal Preparation for Treatment of Diapers; a Germicidal or Antiseptic Preparation for Disinfecting Dishes, Kitchen Utensils and Bathrooms; a Disinfectant and Bactericide Preparation for General Dairy, Farm and Animal Sanitation, for Disinfecting Animal Stalls, Etc.
Claims use since May 20, 1933.

Ser. No. 583,042. Klenzade Products, Incorporated, Beloit, Wis. Filed Aug. 5, 1949.

Ster-Bac

For Quaternary Ammonium Compound Sanitizers Used for the Bactericidal Treatment of Food Handling Equipment, Utensils, Dishes, and Glassware and Also for General Deodorizing Purposes.
Claims use since Mar. 15, 1946.

Ser. No. 583,944. Pierce W. Persch, Sharon, Pa. Filed Aug. 24, 1949.

EVER-SNO

For Bleaching Solution.
Claims use since March 1948.

Ser. No. 584,180. Puerto Rico Distilling Company, sometimes trading as Puerto Rico Distilling Co., and P. R. Distilling Co., Arecibo, P. R. Filed Aug. 26, 1949.



The word "Solvent" is disclaimed.
For Denatured Alcohol.
Claims use since May 1931.

Ser. No. 584,181. Puerto Rico Distilling Company, sometimes trading as Puerto Rico Distilling Co. and P. R. Distilling Co., Arecibo, P. R. Filed Aug. 26, 1949.

RICOSOL

For Denatured Alcohol.
Claims use since May 1931.

Ser. No. 584,561. Zimmerman Associates, Guilford College, N. C. Filed Sept. 7, 1949.

GlyoZole

For Textile Chemical Specialty Serving as a Humectant for Textile Fibres and as a Starch Plasticizer in Textile Sizing Operations.
Claims use since Aug. 9, 1949.

Ser. No. 585,028. Monsanto Chemical Company, St. Louis, Mo. Filed Sept. 19, 1949.

SULFASAN

For Herbicides, Fungicides, and Insecticides.
Claims use since Feb. 11, 1949.

Ser. No. 585,340. McLaughlin Gormley King Company, Minneapolis, Minn. Filed Sept. 26, 1949.

ENTOSEAL

For Insecticidal Liquid To Impregnate Cloth, Paper, and Similar Containers for Food-Stuffs.
Claims use since Aug. 26, 1949.

Ser. No. 588,920. Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Filed Dec. 14, 1949.



The lining shown in the drawing appears in the trademark as used in commerce and is not a symbolical representation of color.
For Monoesters of Polyhydric Alcohols.
Claims use since July 13, 1948.

Ser. No. 590,918. The Texas Company, New York, N. Y. Filed Jan. 14, 1950.

PETRACIDS

For Wax Acids Derived From the Oxidation of Heavy Petroleum Products.
Claims use since Dec. 23, 1949.

Ser. No. 591,771. Community Exterminating Corp., New York, N. Y. Filed Feb. 1, 1950.

Miri-kill

The word "Kill" is disclaimed.
For Insecticides.
Claims use since Nov. 8, 1949.

Ser. No. 594,324. Humble Oil & Refining Company, Houston, Tex. Filed Mar. 21, 1950.

COREXIT

For Corrosion Inhibitor; an Agent for Treating Crude Petroleum and Its Derivatives; an Agent for Preventing Deposition of Paraffin.
Claims use since Dec. 16, 1949.

Ser. No. 597,739. Cook-Waite Laboratories, Inc., New York, N. Y. Filed May 19, 1950. (Classified in Class 18.)

Dynium

For Antiseptic and Disinfectant Preparation.
Claims use since Apr. 24, 1950.

Ser. No. 604,550. Roxbury Chemical Works, Inc., Fall River, Mass., and Centredale, R. I. Filed Oct. 6, 1950.

D-STAT

For Liquid Anti-Static Agent.
Claims use since July 14, 1950.

Ser. No. 604,752. Undertakers Supply Co., Chicago, Ill. Filed Oct. 11, 1950.

DEODISOL

For Deodorant, Disinfectant, and Mold Preventative for Use in Embalming.
Claims use since July 26, 1950.

Ser. No. 604,753. Undertakers Supply Co., Chicago, Ill. Filed Oct. 11, 1950.

DRYASEAL

For Deodorant and Tissue Sealer for Use in Embalming.
Claims use since Apr. 5, 1950.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 592,333. Louis T. Orr, Jr., Chicago, Ill. Filed Feb. 11, 1950.

TOMORROW

For Rifles, Shotguns, Pistols, Revolvers.
Claims use since Jan. 12, 1950.

Ser. No. 592,811. J. Halpern Company, Pittsburgh, Pa. Filed Feb. 21, 1950.

Smoky Joe

For Explosive Caps for Use in Toy Pistols.
Claims use since Feb. 15, 1950.

Ser. No. 594,779. Imperial Chemical Industries Limited, London and Millbauk, London, England. Filed Mar. 28, 1950.

ICI

Applicant claims ownership of British Registrations Nos. 507,733, 507,734, and 507,747, dated Nov. 12, 1929.
For Arms, Ammunition, Cartridge Cases, Paper Tubes for Cartridge Cases, Base Cups, Linings for Base Cups, Percussion Caps, Anvils for Percussion Caps, Wads, Powder, Over and Under-Shot Cards, Shot Rifle Bullets, Elephant Gun Bullets, Armor Piercing Bullets, Explosive Bullets, Tracer Bullets, Incendiary Bullets, Power Cartridges, Explosives, and Matches.

Ser. No. 603,056. Gamble-Skogmo, Inc., Minneapolis, Minn. Filed Sept. 1, 1950.

Hiawatha

"Hiawatha" is the name of the celebrated Indian chief and hero of Longfellow's poem "Hiawatha." Applicant claims ownership of Registration No. 352,996.
For Rifle Cartridges.
Claims use since May 1949.

CLASS 10

FERTILIZERS

Ser. No. 588,241. United States Steel Corporation, New York, N. Y. Filed Nov. 23, 1949.

USS

For Fertilizers.
Claims use since January 1939.

Ser. No. 599,515. Will J. Hoover, doing business as Hoover Soil Service, Gilman, Ill. Filed June 21, 1950.

FOR HUMANITY'S SAKE

The words "Colloidal Soft Phosphate" are disclaimed.
For Fertilizers.
Claims use since May 2, 1950.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 572,924. Robertson Manufacturing Company, Morrisville, Pa. Filed Jan. 27, 1949. (Sec. 2f.)

SNOWHITE

For Wall Tile.
Claims use since January 1935.

Ser. No. 579,379. Owens-Corning Fiberglas Corporation, Toledo, Ohio. Filed May 21, 1949.

AEROCOR

For Mats, Bats, and Sheets of Fibrous Material for the Thermal and Acoustic Insulation of Buildings.
Claims use since Apr. 14, 1949.

Ser. No. 585,036. Whipple Bros., Inc., Laceyville, Pa. Filed Sept. 19, 1949.

SILENSOR

Applicant does not claim color. The words "Whipple Acoustical Units" and the representation of the goods are disclaimed.
For Acoustical, Sound Absorbing and Sound Quieting Materials.
Claims use since July 1, 1948.

Ser. No. 594,759. Colotyle Tyle-Bord, Inc., Seattle, Wash. Filed Mar. 28, 1950.

NAML-BORD

The notation "Bord" is disclaimed.
For Enamel-Coated Hardboard Wall Panels.
Claims use since October 1949.

Ser. No. 600,162. Caobas Mexicanas, S. A., Mexico City, Mexico. Filed July 3, 1950.

MEXHOGANY

Applicant claims ownership of Mexican Registration No. 53,270, dated Aug. 24, 1946.
For Construction Materials—Namely, Sawn Lumber, Veneer, and Plywood.

Ser. No. 602,656. Weather-Wise Windows, Incorporated, Alliance, Ohio. Filed Aug. 23, 1950.

WEATHER WISE-WINDOWS INCORPORATED

The words "Weather-Wise Windows, Incorporated" are disclaimed.
For Storm Windows and Doors.
Claims use since Jan. 15, 1950.

Ser. No. 602,809. Kimberly-Clark Corporation, Neenah, Wis. Filed Aug. 26, 1950.

KIMLARK

For Cellulose Fiber Synthetic Panels for a Variety of Associated and Non-Associated Uses.
Claims use since Aug. 9, 1950.

Ser. No. 602,858. St. Paul & Tacoma Lumber Co., Tacoma, Wash. Filed Aug. 28, 1950. (Sec. 2f.)

COTTAGE SPECIAL

Applicant claims ownership of Registration No. 269,384.
For Wood Shingles.
Claims use since Jan. 16, 1929.

Ser. No. 607,928. Bronson Block Company, Ottawa Lake, Mich. Filed Dec. 21, 1950.

'BRONSITE'

For Permanently Colored Concrete Floor Tile.
Claims use since Mar. 3, 1948.

Ser. No. 608,209. Jean U. Koree, New York, N. Y. Filed Dec. 29, 1950.

THERMOHOUSE

For Concrete Blocks Prefabricated for Assembly Into a Building.
Claims use since Nov. 11, 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 556,210. Magic-View Co., Denver, Colo. Filed May 4, 1948.

MAGIC-VIEW

The drawing is lined for red and gold. No claim, however, is made to the colors indicated.
For Collapsible Upright Support for Supporting Mirrors, Lamps, Reflectors, and Similar Articles.
Claims use since May 1, 1947.

Ser. No. 602,311. Dresser Industries, Inc., Dallas, Tex. Filed Aug. 17, 1950.

ZIPCOAT

For Corrosion Shields—Namely, Pliable Impervious Coverings for Pipe Joints, and Insulating Metal Pipe Couplings.
Claims use since May 2, 1950.

Ser. No. 605,834. The Lunkenheimer Company, Cincinnati, Ohio. Filed Nov. 2, 1950.



For Valves for Water, Steam, and Gas as Used in Pipe Lines; Cocks; Pipe-Fittings—Namely, Elbows, T's, Crosses, and Other Fittings Which Serve as Pipe Connections but Which Cannot be Closed or Opened To Control the Flow of Fluid Through the Pipes; Pipe-Unions; Nozzles for Compressed Air, Oil, and Sandblast; Pop-Valve Mufflers, Sight Feed-Valves, Low Water Alarms for Steam Boilers and Fusible Plugs for Low Water Alarms for Steam Boilers.
Claims use since Sept. 1, 1918.

Ser. No. 606,045. Peerless Steel Company, New York and Maspeth, N. Y. Filed Nov. 7, 1950.

PEERTEX

For Chains, Chain Hooks, and Chain Load Binders.
Claims use since Aug. 10, 1950.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 534,083. Bowen Products Corporation, Ecorse, Mich. Filed Sept. 11, 1947. (Sec. 2f.)

COLDFLO BOWEN PROCESS

The words "Coldflo Process" are disclaimed.
For All Types of Finished Metal Stampings Produced by Cold High Pressure Machinery.
Claims use since August 1938.

Ser. No. 565,978. United American Metals Corporation, Brooklyn, N. Y. Filed Sept. 27, 1948. (Sec. 2f.)

DIESEL MARINE

Applicant claims ownership of Registrations Nos. 305,507 and 129,232.
For Babbitt Metal.
Claims use since January 1922.

Ser. No. 570,069. United States Gypsum Company, Chicago, Ill. Filed Dec. 6, 1948.

EXPAND-X

For Expanded Metal in Sheet Form and/or Partly Fabricated Shapes.
Claims use since Aug. 20, 1947.

Ser. No. 570,070. United States Gypsum Company, Chicago, Ill. Filed Dec. 6, 1948.

GRATE-X

For Expanded Metal in Sheet Form and/or Partly Fabricated Shapes.
Claims use since Aug. 20, 1947.

Ser. No. 571,648. Marshall Steel Company, Lisle, Ill. Filed Jan. 5, 1949.

AIRcrat

The word "Air" is disclaimed.
For Ground Tool Steel.
Claims use since Oct. 4, 1948.

Ser. No. 571,649. Marshall Steel Company, Lisle, Ill. Filed Jan. 5, 1949.

OILcrat

The word "Oil" is disclaimed.
For Ground Tool Steel.
Claims use since Oct. 4, 1948.

Ser. No. 583,610. Nichols Wire and Aluminum Co., Davenport, Iowa. Filed Aug. 17, 1949.

Miracle-Wrap

The word "Wrap" is disclaimed.
For Aluminum Foil Sold in the Roll for Use in Lining Cooking Utensils to Directly Carry the Foods in the Lining, and for Covering and Wrapping Foods, Clothing, Utensils, and the Like.
Claims use since June 10, 1949.

Ser. No. 588,244. United States Steel Corporation, New York, N. Y. Filed Nov. 23, 1949.

USS

For Steel Bars, Bar Mill Shapes, Castings, Billets, Blooms, Plates, Rails, Sheets, Skelp, Slabs, Strip, and wire; Railway Track Work—Namely, Crossings, Frogs, and Switch Mates.
Claims use since 1934.

Ser. No. 589,357. Yorkville Paper Co., Inc., New York, N. Y. Filed Dec. 14, 1949.

ZER-O-FOIL

The word "Foil" is disclaimed.
For Aluminum Wrapping Material for Frozen Food Products.
Claims use since Oct. 1, 1949.

Ser. No. 595,538. Eastern Tool & Stamping Co., Saugus, Mass. Filed Apr. 11, 1950.

ETASCO

For Metal Stampings.
Claims use since May 1938.

Ser. No. 601,791. International Harvester Company, Chicago, Ill. Filed Aug. 5, 1950.



The lining in the drawing forms a part of the mark.
For Refrigeration Packaging Products—Namely, Aluminum Wrapping Foil.
Claims use since Apr. 29, 1949.

Ser. No. 601,794. International Harvester Company, Chicago, Ill. Filed Aug. 5, 1950.

Irma Harding

The name "Irma Harding" does not refer to any particular living individual.
For Refrigeration Packaging Products—Namely, Aluminum Wrapping Foil.
Claims use since Apr. 29, 1949.

Ser. No. 601,797. International Harvester Company, Chicago, Ill. Filed Aug. 5, 1950.



The name "Irma Harding" does not refer to any particular living individual, and the picture is fanciful.
For Refrigeration Packaging Products—Namely, Aluminum Wrapping Foil.
Claims use since Apr. 29, 1949.

Ser. No. 603,731. Cochran Foil Company, Louisville, Ky. Filed Sept. 19, 1950.

chef-foil

The word "Foil" is disclaimed. Applicant claims ownership of Registration No. 436,655.
For Aluminum Foil.
Claims use since Mar. 10, 1946.

Ser. No. 604,393. Sandusky Foundry & Machine Co., Sandusky, Ohio. Filed Oct. 3, 1950. (Sec. 2f.)

CHIEF SANDUSKY

For Centrifugal Castings.
Claims use since Mar. 1, 1946.

Ser. No. 604,690. Detroit Steel Corporation, Detroit, Mich. Filed Oct. 10, 1950.



The representations of sheet and strip steel are disclaimed.
For Sheet and Strip Steel.
Claims use since 1945.

Ser. No. 604,870. The Timken Roller Bearing Company, Canton, Ohio. Filed Oct. 13, 1950.

"17-22-A"

For Steel and Alloy Steel in Ingot, Billet, Bloom, Bar, Tube, and Other Forms.
Claims use since Dec. 23, 1938.

Ser. No. 606,112. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Nov. 9, 1950.

AMERHEAD

For Steel Wire for Manufacturing Purposes.
Claims use since Dec. 14, 1935.

Ser. No. 606,935. The Decatur Casting Company, Hamilton, Ohio. Filed Nov. 25, 1950. (Sec. 2f.)

DECATUR
QUALITY CASTINGS

For Gray Iron Castings, Specifically Castings for Parts of Electric Motors and Generators, Air Compressors, Gasoline Pumps, and Builders' Hardware.
Claims use since 1940.

CLASS 15

OILS AND GREASES

Ser. No. 590,834. Pow'r Pak Manufacturing Company, San Francisco, Calif. Filed Jan. 13, 1950.

POW-R-PAK

The word "Pow-R" is disclaimed.
For Liquid Fuel Oil Additive With Cleaning Properties Used To Increase Engine Operation and for Cleaning Engines.
Claims use since Oct. 18, 1949.

Ser. No. 601,510. The Pure Oil Company, Chicago, Ill. Filed July 31, 1950.

Purane

For Motor Lubricating Oil.
Claims use since June 21, 1950.

Ser. No. 602,220. Seydel-Woolley & Company, Atlanta, Ga. Filed Aug. 15, 1950.

SEYCO

Applicant claims ownership of Registration No. 249,976.
For Cutting Oils.
Claims use since Jan. 1, 1924.

Ser. No. 602,463. Andrew J. Lockrey, doing business as The Lockrey Company, College Point, N. Y. Filed Aug. 19, 1950.

LIQUI-MOLY

For Liquid Molybdenum Base Lubricant for Extreme Temperatures, Pressures, and Speeds.
Claims use since Mar. 9, 1950.

Ser. No. 603,418. Power Ball Oil Company, Inc., Columbia, S. C. Filed Sept. 11, 1950.

Power-Ball
FRICTION PROOF
OIL

The words "Power" and "Friction Proof Oil" are disclaimed.
For Additive for Lubricating Oils for Increasing Their Lubricating Qualities.
Claims use since Nov. 1, 1949.

Ser. No. 603,593. Norman Chemical Company, St. Paul, Minn. Filed Sept. 15, 1950.

PET-RE-NOL

For Chemical Additive for Fuel Oils To Prevent and Dissolve Sludge Caused by the Presence of Moisture.
Claims use since Mar. 1, 1945.

Ser. No. 605,134. The Atlantic Refining Company, Philadelphia, Pa. Filed Oct. 19, 1950.

ATLANTIC

The drawing is lined for red and blue. Applicant claims ownership of Registrations Nos. 408,235, 410,662, 411,357, and 524,224.
For Gasoline.
Claims use since Sept. 15, 1938.

Ser. No. 605,147. Continental Oil Company, Ponca City, Okla. Filed Oct. 19, 1950.

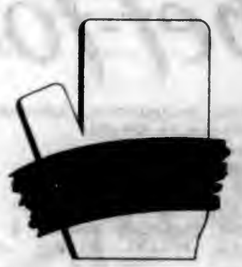
HI-TANE

Applicant claims ownership of Registration No. 419,247.
For Gasoline.
Claims use since July 13, 1949.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 546,749. The Arco Company, Cleveland, Ohio. Filed Jan. 12, 1948.



For Automobile Paint in Liquid Form.
Claims use since Oct. 10, 1947.

Ser. No. 586,775. The Thomas Company, Minneapolis, Minn. Filed Oct. 24, 1949.

POWERFILM

The drawing is lined for yellow.
For Non-Oily, Lacquer-Like Protective Coating for Metal and Like Surfaces Used as a Preventative Against Corrosion and Rust.
Claims use since December 1948.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 560,452. The De Pree Company, Holland, Mich. Filed June 30, 1948. (Classified in Class 4.)



The representation of the nurse shown in the drawing is fanciful. Applicant claims ownership of Registrations Nos. 106,222, 121,048, and 126,838.
For Alteratives, Antacid Preparations, Antiseptics, Aspirin Tablets, Astringents, Baby Oils, Castoria, Cod Liver Oil, Cold Capsules, Cough Drops, Cough Syrups, Demulcent Absorptives, Diuretics, Douche Powders, Ear Oils, Emulsions, Eye Drops, Eye Lotions, Foot Powders, Foot Salves, Foot Crystals, Corn Liquids, Halibut Liver Oil, Headache Capsules, Inhalants for Relief of Nasal Congestion, Insecticides, Laxatives in Liquid and Tablet Form, Liniments, Medicated Skin Creams, Medicated Skin Lotions, Medicated Skin Ointments, Milk of Magnesia in Liquid and Tablet Form, Mineral Oils, Mouth Washes, Nose and Throat Drops, Parasiticides, Petroleum Jellies, Rubbing Alcohol Compounds, Rubbing Oils, Sedative Compounds, Seidlitz Powders, Soda Mint Tablets, Sulfur Lozenges, Suppositories; Tonics for the Nerves, Blood, and General System; Toothache Drops, Uterine Sedatives, Vermifuges; Vitamin Products in Capsule, Tablet, and Liquid Form; Alum, Bicarbonate of Soda, Borax, Boric Acid, Catnip Herb, Chalk for Use as an Antacid and Dusting Powder, Compound Licorice Powder, Cream of Tartar, Epsom Salt, Flaxseed, Henna, Moth Crystals, Potassium Permanganate, Psillium Seed, Pumice Powder, Salicylic Acid, Salt Petre, Senna Leaves, Sugar of Lead, Sulfur, Turmeric Powder, Whiting Alba, Acetone, Aluminum Acetate, Ammonia, Arnica, Benzoin Compound, Calamine Lotion, Camphor, Camphorated Oil, Cascara Sagrada, Castor Oil, Oil of Clove, Dobell's Solution, Oil of Eucalyptus, Formaldehyde, Glycerin, Glycerin and Rose Water, Green Soap, Hydrogen Peroxide, Iodine, Germicides, Neat's-Foot Oil, Sweet Spirit of Nitre, Essence of Peppermint, Oil of Wintergreen, and Witch Hazel.
Claims use since Feb. 15, 1913.

Ser. No. 570,025. Harry P. Hannon, doing business as Hannon Medicines, Brookhaven, Miss. Filed Oct. 19, 1948. (Sec. 2f.)



The word "Rub" is disclaimed. The drawing is lined for the colors red and yellow.
Applicant claims ownership of Registration No. 398,753.
For Medicinal Preparation Used in the Treatment of Muscular Aches and Pains, Headaches, and Neuralgia.
Claims use since Mar. 15, 1941.

Ser. No. 570,050. Harper Method, Rochester, N. Y. Filed Dec. 6, 1948. (Classified in Class 51.) (Sec. 2f.)

Harper Method

The word "Method" is disclaimed.
Applicant claims ownership of Registrations Nos. 204,392, 205,024, and others.
For Lemon Cream, Cold Cream and Vanishing Cream, Solid and Liquid Cleansing and Facial Creams, Stimulating Cream, Solid and Liquid Foundation Creams, Tissue Cream, Liquid Suntan Cream, Massage Cream, Make-Up Remover Cream, Cosmetic Cream Remover, Skin Astringents, Skin Lotions, Skin Tonics and Fresheners, Facial Packs, Primary Facial Oil, Face Powder, Talcum Powder, Dusting Powder, Personal Deodorant, Hair Tonics, Pore Paste, Liquid Brilliantine, Liquid and Powdered Hair Rinses, Hair Wave Lotions and Oils, Bluing Liquid for the Hair, Hair Crayon, Hair Lacquer, Hair Oil Bleach, Tint Remover, Liquid Nail Polish, Nail Polish Remover, Manicure Oil, Hand Cream, Hand Treatment Oils, Hand Protective Films, Perfume, Toilet Water, Lip Salve, Bath Oil, Bath Crystals, Rouge, Colored Cake Foundation, Lipstick, Eyebrow Pencils, Leg Make-Up, and Permanent Wave Lotions.
Claims use since Sept. 1, 1921.

Ser. No. 578,571. Consolidated Cosmetics, Chicago, Ill. Filed May 11, 1949. (Classified in Class 51.)

LIP CONTROL

The word "Lip" is disclaimed.
Applicant claims ownership of Registration No. 336,807.
For Lipstick and Lip Salve.
Claims use since Apr. 29, 1949.

Ser. No. 582,730. Mariam Hill, New Philadelphia, Ohio. Filed July 30, 1949.

HILL'S UNION SALVE



The picture of a man is a portrait of Isaac F. Hill, deceased. The words "Hills" and "Salve" are disclaimed.
For Salve for Treatment of Burns, Scrofula, Lacerations, Piles, and Blood Poison.
Claims use since June 14, 1949.

Ser. No. 583,283. Owen Drug Co., Salisbury, N. C. Filed Aug. 10, 1949.

O·N
Men-Tho-Sole

Applicant claims ownership of Registration No. 394,364.
For Mentholated-Creosoted Preparation for Aiding Discomforts Due to Coughs and Colds.
Claims use since Dec. 31, 1927.

Ser. No. 583,940. Mineral Feeds, Inc., Minneapolis, Minn. Filed Aug. 24, 1949.

MINERAL MIXTURES

The words "Feed" and "Mineral Mixtures" are disclaimed.

For Preparation of Minerals and Vitamins for Use in Swine, Sheep, Dairy Cows, Calves, Beef Cattle, and Poultry Feeds.

Claims use since Feb. 1, 1949.

Ser. No. 584,909. K & W Pharmaceuticals, Inc., San Francisco, Calif. Filed Sept. 16, 1949.

PHENOVOID

For Sedative and Nervous Insomnia Drug.
Claims use since Sept. 8, 1949.

Ser. No. 593,917. Glamour Products Company, Los Angeles, Calif. Filed Mar. 14, 1950.

Vitrex

For Dietary Supplement To Be Taken Orally Consisting of Tablets, Lozenges, and Capsules Containing Vitamins and Minerals.

Claims use since June 1943.

Ser. No. 596,599. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

MASEDA

For Pharmaceutical Preparation Containing Phenylmercuric Nitrate as its Main Active Ingredient Effective for Treating Fungus and Bacterial Pathogens.

Claims use since Jan. 1, 1941.

Ser. No. 596,602. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

NERGESTIC

For Pharmaceutical Preparation Having Antacid Gastroduodenal Sedative Action.

Claims use since Feb. 3, 1943.

Ser. No. 596,603. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

RECTOID

For Pharmaceutical Preparation Having Anodyne, Astringent, and Hemostatic Action.

Claims use since Apr. 26, 1944.

Ser. No. 596,604. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

RESAGILL

For Pharmaceutical Preparation Designed for Treatment of Acute Rheumatic Fever, Arthritis, and Other Rheumatoid Conditions.

Claims use since Sept. 13, 1938.

Ser. No. 596,605. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

SEMIKON

For Pharmaceutical Preparation Designed for Treatment of Conditions Requiring Antihistaminic Therapy.

Claims use since Mar. 2, 1949.

Ser. No. 596,606. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

SESPRON

For Pharmaceutical Preparation Designed for Use in Treating Amenorrhea, Menorrhagia, and Habitual and Threatened Abortion.

Claims use since Sept. 10, 1947.

Ser. No. 596,607. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

SUPASED

For Pharmaceutical Preparation Having Nerve Sedative and Antispasmodic Action.

Claims use since Jan. 1, 1941.

Ser. No. 596,608. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

THERASEM

For Pharmaceutical Preparation Designed for Use in the Treatment of Moderate and Severe Mixed Vitamin Deficiencies.

Claims use since Jan. 21, 1948.

Ser. No. 596,610. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

UTASED

For Pharmaceutical Preparation Suggested in the Treatment of Hypertension of the Cardiovascular System.

Claims use since Jan. 1, 1941.

Ser. No. 597,260. Flint, Eaton and Company, Decatur, Ill. Filed May 11, 1950.

DIMOTHYN

For Antacid Agent for Neutralizing Gastric Acidity.
Claims use since Mar. 1, 1950.

Ser. No. 597,261. Flint, Eaton and Company, Decatur, Ill. Filed May 11, 1950.

Flint

For Choline Dihydrogen Citrate.
Claims use since Jan. 15, 1897.

Ser. No. 597,262. Flint, Eaton and Company, Decatur, Ill. Filed May 11, 1950.

HOMALDRON

For Agent for Neutralising Gastric Acidity and Producing Sedation.

Claims use since Mar. 1, 1950.

Ser. No. 597,263. Flint, Eaton and Company, Decatur, Ill. Filed May 11, 1950.

MARDRIN

For Bacteriostatic, Decongestant Solution for Local Application to the Nasal Mucous Membrane.

Claims use since Sept. 23, 1949.

Ser. No. 597,739. Cook-Waite Laboratories, Inc., New York, N. Y. Filed May 19, 1950.

Dynium

For Antiseptic and Disinfectant Preparation.
Claims use since Apr. 24, 1950.

Ser. No. 597,780. Plough, Inc., Memphis, Tenn. Filed May 19, 1950.

Bisma-Eze

For Compound for Treating Stomach Distress, Nausea, and Heartburn.

Claims use since Apr. 6, 1950.

Ser. No. 598,749. Nutrition Enterprises, Chicago, Ill. Filed June 7, 1950.

Nutriway

For Multiple Vitamin Preparation.
Claims use since June 1, 1950.

Ser. No. 599,126. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed June 14, 1950.

'CREMODIAZINE-A'

The letter "A" is disclaimed. Applicant claims ownership of Registration No. 428,174.

For Antibacterial Suspension.

Claims use since Jan. 6, 1949.

Ser. No. 599,734. Abbott Laboratories, North Chicago, Ill. Filed June 26, 1950.

DAYALETS

Applicant claims ownership of Registration No. 393,055.

For Oral Preparation in Tablet Form Indicated in Vitamin Deficiency.

Claims use since June 7, 1950.

Ser. No. 600,231. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed July 5, 1950.

EGRESSIN

Applicant claims ownership of Registration No. 144,053.

For Anthelmintic Preparation.

Claims use since Feb. 27, 1950.

Ser. No. 600,314. American Cyanamid Company, New York, N. Y. Filed July 7, 1950.

VARIDASE

For Enzyme Preparation for the Treatment of Draining Sinuses, Osteomyelitis, Infected Wounds or Ulcers, Hemothorax, Hematoma, Empyema, Otitis Media, and as an Adjunct to Surgical Intervention.

Claims use since May 19, 1950.

Ser. No. 600,316. American Cyanamid Company, New York, N. Y. Filed July 7, 1950.

MONODASE

For Enzyme Preparation for the Treatment of Draining Sinuses, Osteomyelitis, Infected Wounds or Ulcers, Hemothorax, Hematoma, Empyema, Otitis Media, and as an Adjunct to Surgical Intervention.
Claims use since May 19, 1950.

Ser. No. 601,863. First Texas Chemical Manufacturing Co., Dallas, Tex. Filed June 23, 1950.

PYRETOL

Applicant claims ownership of Registration No. 263,248.
For Medicinal Preparation for Relief of Nausea and Vomiting Due to Pregnancy, Motion Sickness, and Irradiation Sickness.
Claims use since Oct. 5, 1948.

Ser. No. 602,634. A. H. Robins Company, Inc., Richmond, Va. Filed Aug. 23, 1950.

DONNADRINE

For Antispasmodic Preparation.
Claims use since July 14, 1950.

Ser. No. 602,635. A. H. Robins Company, Inc., Richmond, Va. Filed Aug. 23, 1950.

DONNALATE

For Antacid Preparation.
Claims use since July 14, 1950.

Ser. No. 604,777. Otis E. Glidden & Co., Inc., Waukesha, Wis. Filed Oct. 12, 1950.

Zymelose

Applicant claims ownership of Registration No. 309,863.
For Medicinal Preparation for Effective Bowel Management.
Claims use since Sept. 18, 1950.

Ser. No. 604,860. The P. & W. Chemical Co., Palmyra, Pa. Filed Oct. 13, 1950.

STAB



The drawing is lined for shading purposes only.
For Preparation for the Treatment of Fungus Infection—Namely, Athlete's Foot and Ringworm Other Than That Involving the Nails or Hairy Portions of the Body.
Claims use since Oct. 17, 1949.

Ser. No. 604,998. Vitaminerals, Inc., Glendale, Calif. Filed Oct. 16, 1950.

Nids

For Personal Deodorants Containing Chlorophyll for Internal Use.
Claims use since Sept. 29, 1950.

Ser. No. 605,040. Jean U. Koree, New York, N. Y. Filed Oct. 17, 1950.

LAX CAFÉ

The word "Lax" is disclaimed.
For Laxative Preparation.
Claims use since Sept. 11, 1950.

Ser. No. 605,835. Allied Laboratories, Inc., Kansas City, Mo. Filed Nov. 3, 1950.

CHLORODOR

For Veterinary Preparation for the Elimination of Odors in Animals.
Claims use since June 28, 1950.

Ser. No. 605,837. Allied Laboratories, Inc., Kansas City, Mo. Filed Nov. 3, 1950.

OXIPHEN

For Laxative Tablets.
Claims use since Feb. 1, 1924.

Ser. No. 606,082. Nutrition Research Laboratories, Inc., Chicago, Ill. Filed Nov. 8, 1950.

PYRBROMAL

For Pharmaceutical Preparation for the Control of Pre-Menstrual Tension.
Claims use since Oct. 16, 1950.

Ser. No. 606,216. Ralph I. Guy, doing business under the fictitious name and style of The Vitmora Company, Glendale, Calif. Filed Nov. 10, 1950.

VIT-MORA

Applicant claims ownership of Registration No. 500,647.
For Multi-Vitamin and Multi-Mineral Preparation.
Claims use since Oct. 19, 1949.

Ser. No. 606,228. Ethel B. Miller, doing business as Millock, Elizabethton, Tenn. Filed Nov. 10, 1950.

MILLOCK

For Medicinal Preparation Intended for the Temporary Relief of Rectal Irritation and Itching Due to Hemorrhoids or Piles.
Claims use since Apr. 6, 1950.

Ser. No. 606,260. George A. Breon & Company, New York, N. Y. Filed Nov. 13, 1950.

TRANSIBARB

For Preparation for the Symptomatic Treatment of Menopause.
Claims use since Oct. 17, 1950.

Ser. No. 606,974. Harrison Products, Inc., San Francisco, Calif. Filed Nov. 27, 1950.

Shut-eye

For Sedative Preparation in Tablet Form.
Claims use since Oct. 6, 1950.

Ser. No. 607,075. Excelsior Pharmaceutical Distributing Company, Inc., Chicago, Ill. Filed Nov. 29, 1950.

Tran

For Therapeutic Tablets for Relief From Muscular Aches and Pains.
Claims use since Mar. 5, 1950.

Ser. No. 607,146. Bert Sorem, doing business as The Energy Food Supplement Co., Clay Center, Kans. Filed Nov. 30, 1950.

FATIGONE

For Dietary Food Supplement Consisting of Protein, Carbohydrates, Fat, Moisture, Ash, and Crude Fibre.
Claims use since Oct. 14, 1950.

Ser. No. 607,476. Armour and Company, Chicago, Ill. Filed Dec. 9, 1950.

ARMADASE

For Hyaluronidase.
Claims use since Nov. 14, 1950.

Ser. No. 607,612. Wyeth Incorporated, Philadelphia, Pa. Filed Dec. 12, 1950.

KALPEC

For Kaolin in Alumina Gel With Pectin, for Medicinal Purposes.
Claims use since Nov. 30, 1950.

Ser. No. 607,655. Alcon Laboratories, Inc., Fort Worth, Tex. Filed Dec. 14, 1950.

ALCONEFRIN

For Nasal Drops for Temporary Relief of Congestion of the Mucous Membranes of the Nose Common to Head Colds.
Claims use since Jan. 10, 1946.

Ser. No. 611,888. Buffington's, Incorporated, Worcester, Mass. Filed Mar. 28, 1951.

TRAND

For Pharmaceutical Preparation Containing a Sympathomimetic Agent, d-Desoxyephedrine Hydrochloride, and Certain Vitamins of the B-Complex Group, for the Treatment of Depressive States, Obesity, Narcolepsy, Chronic Fatigue, Postencephalitic Parkinsonism, and Other Conditions Where Sympathomimetic Agents Are Indicated.
Claims use since Oct. 14, 1949.

CLASS 19
VEHICLES

Ser. No. 605,390. Aerol Co. Inc., Burbank, Calif. Filed Oct. 25, 1950.

aerol seal

The word "Seal" is disclaimed.
For Wheels for Industrial Trucks.
Claims use since Dec. 1, 1948.

Ser. No. 606,609. Hawley Products Company, St. Charles, Ill. Filed Nov. 18, 1950.

HAWLITE

For Baby Buggy Bodies.
Claims use since May 1949.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 580,185. Compco Corporation, Chicago, Ill. Filed June 9, 1949.



The words "Center Balanced" are disclaimed.
For Electric Light Reflectors for Use With Incandescent Lamps.
Claims use since February 1945.

Ser. No. 583,120. Guglielmo Riccomagno, Milan, Italy. Filed Aug. 6, 1949.

Riccolux

Priority is claimed under Sec. 44(d). Italian Registration No. 3,294, filed June 17, 1949. Applicant claims ownership of Italian Registration No. 3,294, dated June 17, 1949.
For Illuminating Apparatus—Namely, Electric Rotating Lamps, Luminous Tubes, Electric Lamp Bulbs, Electric Floor Lamps, Electric Table Lamps, Centrifugal Mercury Bulbs, and Electric Street Lamps.

Ser. No. 584,922. Press Wireless, Inc., New York, N. Y. Filed Sept. 16, 1949.



The drawing is lined for silver and red. The words "Radot" and "Pre Wi" are shown in solid black thereon.
For Radio Receiving Apparatus Described as Follows: Fixed Tuned Communications Receiving Units, Specifically Intended for the Reception of Frequency Shift Radio Teletype Signals, Operating Either as Dual Space Diversity System or as a Pre-Tuned 2 Frequency Terminal, and Consisting of 2 Fixed Tuned Receivers, 2 Frequency Shift Converters, 1 Tuning Indicator, 1 Teletype Driver, or 1 Tone Keyer and One Steel Cabinet as a Housing Unit.
Claims use since Sept. 9, 1949.

Ser. No. 588,091. Hungerford Plastics Corporation, New Providence, N. J. Filed Nov. 19, 1949.

Lazy-Lite

The word "Lite" is disclaimed.
For Electrical Table and Wall Lamps.
Claims use since Oct. 4, 1947.

Ser. No. 598,820. Ward Leonard Electric Company, Mount Vernon, N. Y. Filed June 8, 1950.

REGULITE

For Electric Lighting Control Apparatus, Specifically a Motor-Operated Electric Light Dimmer.
Claims use since Apr. 8, 1940.

Ser. No. 602,641. Schole Industries, Brooklyn, N. Y. Filed Aug. 23, 1950.



For Spark Plug Adapters.
Claims use since Nov. 2, 1940.

Ser. No. 608,582. The Winsted Hardware Manufacturing Company, Winsted, Conn. Filed Jan. 9, 1951.

GLOBE TROTTER

For Electric Irons.
Claims use since Dec. 27, 1950.

Ser. No. 609,637. Fairchild Recording Equipment Corporation, Whitestone, N. Y. Filed Feb. 5, 1951.

"PIC-SYNC"

For Synchronous Magnetic Tape Sound Recorders.
Claims use since June 16, 1950.

Ser. No. 609,638. Fairchild Recording Equipment Corporation, Whitestone, N. Y. Filed Feb. 5, 1951.

"SYNCROLL"

For Synchronous Magnetic Tape Sound Recorders.
Claims use since June 16, 1950.

Ser. No. 609,665. Radio Materials Corporation, Chicago, Ill. Filed Feb. 5, 1951.

RMC

For Condensers, Particularly Small Ceramic Condensers.
Claims use since May 24, 1950.

Ser. No. 609,681. The Hallicrafters Co., Chicago, Ill. Filed Feb. 6, 1951.

hallicrafters

Applicant claims ownership of Registration No. 311,778.
For Radio and Television Receiving Sets.
Claims use since November 1947.

Ser. No. 609,984. Northrop Aircraft, Inc., Hawthorne, Calif. Filed Feb. 12, 1951.

TRIONODE

For Gas Filled Cold Cathode Glow Tubes.
Claims use since Apr. 10, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 580,896. Metco Manufacturing Company, Ferndale, Mich. Filed June 22, 1949.

RED RIDER

The word "Red" is disclaimed.
For Children's Wagons.
Claims use since Feb. 26, 1948.

Ser. No. 595,672. Monfield Corporation, New York, N. Y. Filed Apr. 13, 1950.

FLYING DISC

The word "Disc" is disclaimed.
For Tops of the Bandalore Type.
Claims use since Apr. 6, 1950.

Ser. No. 601,743. C. A. Lund Company, North St. Paul, Minn. Filed Aug. 4, 1950. (Sec. 2f.)

LUND

Applicant claims ownership of Registration No. 277,642.
For Skis, Ski Poles, Ski Bindings (Ski Harness), Ski Bend Braces, Tip Protectors for Skis, Heel Protectors for Skis, Ski Ties, Ice and Field Hockey Sticks, Hockey Pucks, Toboggans, Toboggan Cushions, Sleds, Archery Bows and Arrows, Archery Targets, Golf Clubs, Water Skis, Snowshoes, and Snowshoe Harness.
Claims use since Nov. 15, 1927.

Ser. No. 603,460. Thomas C. Reyes, doing business as Eagle Tops Mfg. Co., Compton, Calif. Filed Sept. 12, 1950.

EAGLE

For Tops.
Claims use since Aug. 27, 1950.

Ser. No. 603,606. Ernest C. Stoll, doing business as The Canas-Tab Company, Kalamazoo, Mich. Filed Sept. 15, 1950.

Canas-tab

Applicant disclaims the word "Tab."
For Peg Type Abacus To Be Used in Keeping Score for Games Such as Canasta, Pinochle, and Bezique.
Claims use since July 1, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 535,582. Hossfeld Manufacturing Co., Winona, Minn., assignee of Merchants National Bank of Winona, administrator of the estate of Albert Hossfeld, deceased. Filed Sept. 24, 1947. (Sec. 2f with respect to the word "Hossfeld.")

HOSSFELD UNIVERSAL

For Iron Bender Tool for Bending Bars, Angle Bars, Tubes, and the Like, and a Direct Motor Drive Rock Drill.
Claims use since Jan. 1, 1924.

Ser. No. 546,418. Outboard, Marine and Manufacturing Company, Waukegan, Ill. Filed Jan. 7, 1948.

SPORTSMAN

For Internal-Combustion-Engine-Powered Outboard Motors and Parts.
Claims use since Dec. 17, 1934.

Ser. No. 546,423. Outboard, Marine and Manufacturing Company, Waukegan, Ill. Filed Jan. 7, 1948.

FISHERMAN

For Internal-Combustion-Engine-Powered Outboard Motors and Parts.
Claims use since Jan. 12, 1932.

Ser. No. 563,829. The Timken Roller Bearing Company, Canton, Ohio. Filed Aug. 21, 1948. (Sec. 2f.)

TIMKEN

Applicant claims ownership of Registrations Nos. 144,149, 283,740, 303,494, and 338,116.
For Lightweight Reciprocating Metal Parts—Namely, Pistons, Piston Rods, Cross-Heads, and Main Rods for Steam Locomotives, Crank Pin Assemblies for Main and Side Rods for Steam Locomotives.
Claims use since 1932.

Ser. No. 564,816. Rodney Hunt Machine Company, Orange, Mass., now by change of name Rodney Hunt Machine Co., a corporation of Massachusetts. Filed Sept. 8, 1948.

TENSITROL

For Machines for Advancing Continuous Lengths of Flexible Mater'al, Such as Textiles While Subjecting the Same to Fluid Treatment Including Open Width Washers, Rope Type Washers, Steamers, Dryers, and Dyeing Machines.
Claims use since Apr. 8, 1948.

Ser. No. 568,366. F. L. Gatchet, Inc., Gardiner, Wash. Filed Nov. 8, 1948.

GAT SPRAYER

The word "Sprayer" and the representation of the spray are disclaimed.
For Fertilizer Spraying Apparatus—Namely, a Metal Casting to Which May Be Attached a Container and a Water Hose.
Claims use since May 1, 1928.

Ser. No. 568,452. Charles A. Samuel, Oak Park, Ill., assignor to Sav-A-Life Corporation, Oak Park, Ill. Filed Nov. 9, 1948.

SAV-A-LIFE

For Brake Parts Comprising Master Cylinders and Wheel Cylinders and Component Parts Thereof.
Claims use since Sept. 15, 1947.

Ser. No. 569,823. Continental Motors Corporation, Muskegon and Detroit, Mich. Filed Dec. 3, 1948.

RED SEAL

Applicant claims ownership of Registration No. 374,486.
For Internal Combustion Engines for General Power Application; Complete Industrial Power Units for General Power Application, Each Unit Comprising an Internal Combustion Engine Mounted in a Frame With Cooling Fluid and Fuel Tanks; Replacement and Spare Parts for Such Engines and Power Units—Namely, Carburetors, Induction Manifold Parts, Fuel Economizers for the Carburetors and Manifold, Fuel Heaters for Said Carburetors and Manifolds, Supercharging Structures, Governors and Engine Speed Controlling Structures; Gearing and Transmission Structures Including Clutches, Lubricating Structures for Same; and Engine Vibration Dampers.
Claims use since Dec. 31, 1937.

Ser. No. 576,138. Edward J. Shanahan, Brooklyn, N. Y. Filed Mar. 26, 1949.



The mark is a facsimile of applicant's signature.
For Painting Knives.
Claims use since Mar. 14, 1949.

Ser. No. 578,206. Hepworth Machine Company, Inc., New York and Long Island City, N. Y. Filed May 4, 1949.



The terms "Co. Inc." are disclaimed. Applicant claims ownership of Registration No. 133,259.
For Centrifugal Machines for Separating Solids From Liquids and for Use in the Manufacture of Sugar—Namely, Motors, Motor Brackets, Motor Couplings, Suspension Mechanisms, Bearings, Spindles, Brakes, Metal Brackets, Curb Tops, Basket Linings, Conveyors, Friction Drums, Bands, Pulleys, Gears, Charging Spouts, Mixer Drives, Mixer Gates, Syrup Separators, Water Cooled Brake Mechanisms, Unloaders for Discharging Sugar or Other Granulated Materials From Centrifugal Machines, All Sold as a Unitary Apparatus and Also as Separate Parts Therefor.
Claims use since Jan. 3, 1946, as to the mark shown; and since July 15, 1919, as to the mark without the letters "H M Co. Inc."

Ser. No. 580,727. Byron Jackson Co., Los Angeles, Calif. Filed June 18, 1949.

POWAIRMATIC

For Well Tools — Namely, Pipe Tongs and Parts Thereof.
Claims use since Feb. 1, 1948.

Ser. No. 582,319. Peninsula Products Corporation, Detroit, Mich. Filed July 21, 1949.

FUTUR MATIC

For Lawn Mowers.
Claims use since May 7, 1949.

Ser. No. 584,260. American Hydrotherm Corp., New York, N. Y. Filed Aug. 31, 1949.

HYDROTHERM

Applicant claims ownership of Registration No. 523,426.
For Pumps—Namely, Centrifugal Pumps.
Claims use since Mar. 18, 1948.

Ser. No. 586,794. Deere & Company, Moline, Ill. Filed Oct. 25, 1949.

JOHN DEERE
hydraulic
POWR-TROL

The words "Hydraulic" and "Powr" are disclaimed. Applicant claims ownership of Registrations Nos. 88,248, 91,859, 91,860, 91,861, 348,355, 423,477, and 509,589.
For Hydraulic Control Mechanism Comprising a Housing, Mounted on the Rear of a Tractor, Within Which Is an Oil Pump, Several Control Valves, a Rockshaft, and a Hydraulic Cylinder and Piston Assembly, This Housed Assembly Being Combined With a Remote Hydraulic Ram and Connected Therewith by Two Flexible Hoses, the Entire Being Sold as a Unit for Adaptation To Tractor and Tractor Mounted Implements for the Positioning of the Implements as Desired.
Claims use since Feb. 24, 1947.

Ser. No. 590,205. Wells Manufacturing Corporation, Three Rivers, Mich. Filed Dec. 30, 1949. (Sec. 2f.)

Wells

For Metal Band Saw Machines.
Claims use since July 30, 1926.

Ser. No. 591,650. Société Alsacienne de Constructions Mécaniques, Société Anonyme, Mulhouse, Haut-Rhin, France. Filed Jan. 25, 1950.

"PSA"

Priority under Sec 44(d). French application Reg. No. 2,099, dated Dec. 15, 1949.
For Carding and Combing Machines for Textile Fibers Particularly for Cotton.

Ser. No. 592,452. Aircraft-Marine Products Inc., Harrisburg, Pa. Filed Feb. 15, 1950.

Plastic-Grip

The word "Grip" is disclaimed.
For Hand Tools for Applying Electrical Terminals and Connectors.
Claims use since Feb. 23, 1948.

Ser. No. 595,041. The Acme Shear Company, Bridgeport, Conn. Filed Apr. 1, 1950.

RED CROSS

The drawing is lined for red. Applicant claims ownership of Registration No. 174,723.
For Shears and Scissors of General Household Utility Type.
Claims use since Jan. 1, 1900.

Ser. No. 596,120. E. V. Robnett, Jr., Austin, Tex. Filed Apr. 21, 1950.

AUTO CRUZ

The word "Auto" is disclaimed.
For Governors for Internal Combustion Engines.
Claims use since May 7, 1949.

Ser. No. 600,980. Rosslyn Engineering Supplies Limited, Twickenham, England. Filed July 20, 1950.

DAFILE

Applicant claims ownership of British Registration No. 661,070, dated July 24, 1947.
For Files (Being Tools).

Ser. No. 601,733. Industrie A. G. Allegro, Emmenbrucke, Lucerne, Switzerland. Filed Aug. 4, 1950.

ABRAZOR

Priority under Sec. 44(d). Swiss application Registration No. 133,412, dated May 1, 1950.
For Electric and Non Electric Razors and Parts Thereof.

Ser. No. 605,464. Butters Manufacturing Company, Atlanta, Ga. Filed Oct. 27, 1950. (Sec. 2f.)

BUTTERS

For Milling Cutters as Elements of Machines for Forming or Sharpening the Teeth of Linter Saws.
Claims use since Jan. 2, 1928.

Ser. No. 607,259. Morse Sewing Machine and Supply Corp., New York, N. Y. Filed Dec. 4, 1950.

AMBASSADOR

For Sewing Machines.
Claims use since Nov. 20, 1950.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 609,687. David Lehrman, trading as The Ironees Company, Philadelphia, Pa. Filed Feb. 6, 1951.

PADLOCK

For Ironing Board Pads and Covers.
Claims use since Dec. 29, 1950.

CLASS 25

LOCKS AND SAFES

Ser. No. 610,792. Jay G. McKenna, Inc., Elkhart, Ind. Filed Mar. 3, 1951.

KENNALOCK

For Sliding Door Locks.
Claims use since Feb. 22, 1949.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 589,249. Electronics Research, Inc., Evansville, Ind. Filed Dec. 13, 1949.

TELECHECK

For Signal Generator To Be Used in Checking the Operation of Television Receivers.
Claims use since Mar. 16, 1949.

Ser. No. 591,018. Columbia Protektosite Co., Inc., Carlstadt, N. J. Filed Jan. 18, 1950.

flexfit

For Sunglasses, Eyeglass Frames, Goggles, and Temple Bars.
Claims use since Dec. 4, 1949.

Ser. No. 605,100. The Liebel-Flarsheim Company, Cincinnati, Ohio. Filed Oct. 18, 1950.

Thyr-X

For X-Ray Timers Incorporating an Electrical Switching Element.
Claims use since July 20, 1950.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 589,579. Jefferson Electric Company, Bellwood, Ill. Filed Dec. 19, 1949.

Golden Hour

The representation of the electric plug and the attached wire is disclaimed. Applicant claims ownership of Registration No. 528,341.
For Electric Clocks.
Claims use since Dec. 2, 1949.

Ser. No. 594,969. M. Argent Hamber, trading under the name Lifetime Watch Company, Philadelphia, Pa. Filed Mar. 31, 1950.

LIFE - OMATIC

For Watches for Men and Women.
Claims use since Feb. 12, 1948.

Ser. No. 603,785. The Gruen Watch Company, Cincinnati, Ohio. Filed Sept. 20, 1950.

CURVAMATIC

Applicant claims ownership of Registration No. 436,267.
For Watches, Watch Cases, and Watch Movements.
Claims use since Sept. 13, 1950.

Ser. No. 604,232. S. Rodman Sons, New York, N. Y. Filed Sept. 29, 1950.

SPIRIT OF '76

For Watches, Clocks and Parts Thereof, and Watches and Attached Wristbands Sold as a Unit.
Claims use since Sept. 22, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 579,332. A. C. Lavick, Inc., Chicago, Ill. Filed May 23, 1949.

COUNTRY CLUB

For Men's Jewelry Made of or Plated With Precious Metal—Namely, Collar Clips, Key Chains, Tie Clasps, and Cuff Links, Specifically Excluding Bracelets, Wrist Watch Bracelets, Clocks, and Watches.
Claims use since July 20, 1948.

Ser. No. 592,959. Weinreich Brothers Company, New York, N. Y. Filed Feb. 23, 1950.

Dew Drops

For Jewelry Clips.
Claims use since November 1949.

Ser. No. 597,834. Medicated Products Co., doing business as Donald Bruce & Company, Chicago, Ill. Filed May 20, 1950.

BRIDE'S PRIDE

For Wedding Rings and Engagement Rings.
Claims use since May 15, 1950.

Ser. No. 599,294. Weinreich Brothers Company, New York, N. Y. Filed June 16, 1950.

the MARVELOCK clasp

The words "The Clasp" are disclaimed.
For Jewelry Findings—Namely, Fasteners and Closures.
Claims use since April 1950.

Ser. No. 602,008. R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Filed Aug. 9, 1950. (Sec. 2f.)

OLD WALLINGFORD

Applicant claims ownership of Registration No. 400,702.
For Sterling Silver Hollowware.
Claims use since Jan. 31, 1942.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 576,578. Fisher, Bruce & Company, Philadelphia, Pa. Filed Apr. 4, 1949.

BARONET

For China Dinnerware.
Claims use since March 1933.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 575,919. The Franklin Furniture Co., Columbiana, Ohio. Filed Mar. 23, 1949. (Sec. 2f. as to "New American" and "Franklin.")

"NEW AMERICAN" by Franklin

The silhouette is that of Benjamin Franklin. Applicant claims ownership of Registrations Nos. 210,022 and 322,852.
For Household Furniture—Namely, Chairs, Davenports, Sofas, Tables, Desks, Dressing Screens, and Stands.
Claims use since Jan. 6, 1949, as shown; since Nov. 1, 1924, as to "Franklin"; and since Jan. 24, 1934, as to "New American."

Ser. No. 583,514. John H. Best & Sons, Inc., Galva, Ill. Filed Aug. 16, 1949. (Sec. 2f.)

Best

Applicant claims ownership of Registration No. 53,161.
For Display Racks and Storage Racks for the Display and Storage of Floor Coverings.
Claims use since July 1899.

Ser. No. 596,988. Dryad Limited, Leicestershire and Leicester, Leicestershire, England. Filed May 6, 1950.

DRYAD

Applicant claims ownership of British Registration No. 293,699, dated June 12, 1907.
For Cane and Wicker-Work Furniture—Namely, Chairs, Lounges, Settees, Tables, Tea Wagons, and Stools.

CLASS 33

GLASSWARE

Ser. No. 564,595. Herbert K. Asquith, doing business as The Haskey Company, Chicago, Ill. Filed Sept. 3, 1948.

COLD KATY

The word "Cold" is disclaimed.
For Glass Refrigerator Jugs Having Plastic Caps.
Claims use since Apr. 1, 1948.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 528,929. Holland Furnace Company, Holland, Mich. Filed July 19, 1947. (Sec. 2f.)

FUEL SAVER

For Furnace Flue Gas Baffle.
Claims use since 1940.

Ser. No. 544,625. Wenzeslaw Frank Sklenar, Berwyn, Ill. Filed Dec. 17, 1947. (Sec. 2f.)

Sklenar

For Gas, Oil, or Coke-Fired Metallurgical Furnaces for the Melting and Conditioning of Metals.
Claims use since June 1, 1930.

Ser. No. 572,485. James B. Clow & Sons, Chicago, Ill. Filed Jan. 21, 1949. (Sec. 2f.)

CLOW

Applicant claims ownership of Registration No. 113,866.
For Gas Unit and Gas Steam Radiators.
Claims use since 1920.

Ser. No. 580,879. Elektrokemisk A/S, Oslo, Norway, and New York, N. Y. Filed June 22, 1949.

Tysland-Hole

The mark consists of the words "Tysland-Hole." Applicant claims ownership of Norwegian Registration No. 36,529, dated Feb. 22, 1949.
For Smelting Furnaces and Parts of Such Furnaces.

Ser. No. 587,922. Air Cooling Engineering Co., Morton Grove, Ill. Filed Nov. 17, 1949.



The word "Breeze" is disclaimed.
For Evaporative Type Air Coolers Adapted To Circulate, Filter, and Cool Air.
Claims use since June 15, 1946.

Ser. No. 602,672. Broan Mfg. Co., Inc., Milwaukee, Wis. Filed Aug. 24, 1950.

Motondor

For Exhaust and Ventilating Fans.
Claims use since July 7, 1949.

Ser. No. 606,290. Gas Appliance Manufacturers Association, New York, N. Y. Filed Nov. 13, 1950. COLLECTIVE MARK.



The words "Symbol of Quality" and "Flame" and the representation of a flame are disclaimed.
For Gas Fired Water Heaters.
Claims use since Feb. 11, 1949.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 552,473. Maxwell Meyers, Inc., San Antonio, Tex. Filed Mar. 19, 1948.

JEAN CARTIER

The mark is fanciful and does not identify a particular living individual.
For Musical Instruments—Namely, Clarinets, Bass Clarinets, Alto Clarinets, Oboes, Bassoons, Flutes, Piccolos, Cornets, Trumpets, Trombones, Saxophones, Baritone Horns, Mellophones, Alto Horns, Sousaphones, and Piano Accordions.
Claims use since Aug. 16, 1946.

Ser. No. 558,509. Pratt, Read & Company, Incorporated, Ivoryton, Conn. Filed June 4, 1948.



The representation of the piano keys is disclaimed.
For Piano Actions, Piano Keys, and Piano Plates.
Claims use since March 1935.

Ser. No. 568,718. Coral Records, Inc., New York, N. Y. Filed Nov. 13, 1948.

CORAL

For Mechanically Grooved Records.
Claims use since Oct. 19, 1948.

Ser. No. 591,956. Jules M. Sahlein, doing business under the trade name of J. M. Sahlein Music Company, San Francisco, Calif. Filed Feb. 3, 1950.

HULA LU

Applicant claims ownership of Registration No. 222,247.
For Ukuleles, Banjo Ukuleles, Tenor Guitars, Plectrum Guitars, Electric Guitars, Guitars, Banjos, Tenor Banjos, Taropatches, Tiples, Mandolins, Tenor Ukuleles, and Banjo Mandolins.
Claims use since Apr. 9, 1926.

CLASS 37

PAPER AND STATIONERY

Ser. No. 519,680. Montag Brothers, Inc., Atlanta, Ga. Original filed, act of 1920, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Nov. 29, 1947. (Sec. 2f.)

MONTAG'S



LONDON CRUSHED BOND

The words "Crushed Bond" are disclaimed.
For Writing Paper.
Claims use since 1926.

Ser. No. 537,355. Protective Papers, Inc., Elgin and Union, Ill. Filed Oct. 9, 1947.

Leatherback

For Waterproof Paper Rolls, Greaseproof Paper Rolls, Reinforced Paper Stock Made up of Long Fibers That Overlap and Cross To Give a Unified High Strength Thereto, and Sold in Roll Form, Burlap Substitute Material Made of Paper (Unwoven), and Flexible Cushion Material Made of Paper for Packaging.
Claims use since Aug. 18, 1947.

Ser. No. 537,358. Protective Papers, Inc., Elgin and Union, Ill. Filed Oct. 9, 1947.

Leatherback



For Waterproof Paper Rolls, Greaseproof Paper Rolls, Reinforced Paper Stock Made up of Long Fibers That Overlap and Cross To Give a Unified High Strength Thereto, and Sold in Roll Form, Burlap Substitute Material Made of Paper (Unwoven), and Flexible Cushion Material Made of Paper for Packaging.
Claims use since Aug. 18, 1947.

Ser. No. 538,826. Syracuse Ornamental Co., Inc., Syracuse, N. Y. Filed Oct. 23, 1947.

OrnaWood

The word "Wood" is disclaimed.
For Memo Pads, Desk Calendars, Paper Weights, and Desk Pen Sets.
Claims use since January 1938.

Ser. No. 544,774. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 18, 1947. (Sec. 2f.)

WEBSTER

For Fountain Pens and Automatic Pencils.
Claims use since July 1, 1922.

Ser. No. 576,228. Protecto Products Co. Inc., Pomona, Calif. Filed Mar. 28, 1949.

CUVS

Applicant claims ownership of Registration No. 426,411.
For Paper Toilet Seat Covers, Paper Garment Hanger Covers, Paper Garment Protectors, and Paper Napkins.
Claims use since Feb. 15, 1946.

Ser. No. 586,437. Standard Cap and Seal Corporation, Chicago, Ill. Filed Oct. 17, 1949.

Imperite

The words "Coated Paper" are disclaimed.
For Coated Paper Used in Making a Disc-Shaped Sealing Liner in Caps Which Are Used as Closures on Glass, Metal, or Other Containers Used for Packaging Food, Fruits, Drugs, Cosmetics, Etc.
Claims use since Feb. 2, 1944.

Ser. No. 593,453. White-Washburne Company, Inc., Hinsdale, N. H. Filed Mar. 4, 1950.

W-W

For All Kinds of Toilet Tissue, Paper Napkins, and Paper Towels.
Claims use since Mar. 1, 1928.

Ser. No. 596,171. Charles E. Laue, doing business as Hamilton Products, Chicago, Ill. Filed Apr. 22, 1950.

the Registrar by HAMILTON

The surname "Hamilton" is disclaimed.
For Fountain Pen Desk Sets.
Claims use since Apr. 1, 1949.

Ser. No. 596,559. Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis. Filed Apr. 29, 1950.

Consolidated

Applicant claims ownership of Registrations Nos. 283,862, 388,396, 500,488, 500,738, and 502,266.
For Coated Paper for Printing Purposes.
Claims use since Apr. 10, 1950.

Ser. No. 596,851. Koh-I-Noor Pencil Factory L. & C. Hardtmuth, National Corporation, Ceske Budejovice, Czechoslovakia. Filed May 4, 1950.

VERSATIL

Applicant claims ownership of Czechoslavakian Registration No. 3622, dated June 3, 1937.
For Office Supplies—Namely, Chalk, All Types of Pencils, Such as Rotatable Pencils, Artists' Pencils, Copying Pencils, Colored Pencils, Pen Holders, Fountain Pen Points, Erasers, Paper Clips, Cardboard Sheets, Rubber Bands, Pencil Extensions.

Ser. No. 597,871. Milton Bradley Company, Springfield, Mass. Filed May 22, 1950.

CRAYRITE

Applicant claims ownership of Registration No. 510,967.
For Crayons and Chalks.
Claims use since Dec. 23, 1949.

Ser. No. 598,064. Cel-U-Dex Corpo ation, Brooklyn, N. Y. Filed May 25, 1950.

KLEER-DEX

The word "Kleer" is disclaimed.
For Index Tabs.
Claims use since Apr. 1, 1936.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 525,637. McGraw-Hill Publishing Company, Inc., New York, N. Y. Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Principal Register, Oct. 27, 1949.



The diagrammatic representation of the cover page of the magazine is disclaimed. Applicant claims ownership of Registration No. 234,275.
For Magazine Published Weekly Relating to Industry.
Claims use since Sept. 7, 1929.

Ser. No. 574,077. Abbott Laboratories, North Chicago, Ill. Filed Feb. 18, 1949.



The drawing is lined for blue. The words "Prescription Specialists" are disclaimed.
For Good Will, Educational, Congratulatory, Welcome, Get Well, Etcetera, Pamphlets Issued From Time To Time.
Claims use since July 1946.

Ser. No. 579,361. U. S. Government Advertiser, Inc., Washington, D. C. Filed May 23, 1949. (Sec. 2f.)

U. S. Government Advertiser

Applicant claims ownership of Registration No. 310,972.
For Journal Published Weekly.
Claims use since June 5, 1882.

Ser. No. 591,104. The Petroleum Engineer Publishing Company, Dallas, Tex. Filed Jan. 19, 1950. (Sec. 2f.)

The Petroleum Engineer

Applicant claims ownership of Registration No. 269,146.
For Magazines.
Claims use since Oct. 3, 1929.

Ser. No. 603,866. F. Burr Tillstrom, Chicago, Ill. Filed Sept. 21, 1950.

KUKLAPOLITAN COURIER

For Periodical Publication.
Claims use since Oct. 13, 1948.

Ser. No. 603,867. F. Burr Tillstrom, Chicago, Ill. Filed Sept. 21, 1950.



For Periodical Publication.
Claims use since Nov. 13, 1948.

CLASS 39

CLOTHING

Ser. No. 537,368. Society Brand Clothes, Inc., Chicago, Ill. Filed Oct. 9, 1947.

Easy Elegance

For Men's Suits, Topcoats, and Overcoats.
Claims use since Sept. 1, 1947.

Ser. No. 543,196. Kaylon Incorporated, New York, N. Y. Filed Dec. 3, 1947.

JERRIES

Applicant claims ownership of Registration No. 396,583.
For Men's, Women's, and Children's Pajamas, Pajama Coats, Beach Coats, Smock Coats, Utility Coats, and Bath Robes.
Claims use since Dec. 12, 1935.

Ser. No. 546,131. Federated Department Stores, Inc., Cincinnati, Ohio, by mesne assignments from The John Shillito Company. Filed Jan. 3, 1948. (Sec. 2f.)

Princess Fit SHILLITO'S

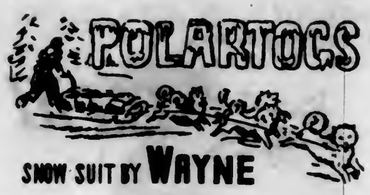
The word "Fit" is disclaimed.
For Women's Shoes.
Claims use since June 1, 1935.

Ser. No. 549,394. Oppenheim, Collins & Co. Inc., Wilmington, Del., Brooklyn, Buffalo, Garden City, and White Plains, N. Y., East Orange and Morristown, N. J., and Philadelphia, Pa. Filed Nov. 26, 1947. (Sec. 2f.)

ARCH RETAINER

Additional evidence is furnished herewith. Applicant claims ownership of Registration No. 251,016.
For Women's and Misses' Shoes of Leather or Fabric or Leather and Fabric.
Claims use since Sept. 30, 1927.

Ser. No. 558,607. Wayne Garment Company, Forest City, Pa. Filed June 5, 1948.



The words "Snow Suit by Wayne" are disclaimed.
For Children's Ski and Snow Suits.
Claims use since May 6, 1948.

Ser. No. 558,702. Consolidated Millinery Company, Chicago, Ill. Filed June 8, 1948. (Sec. 2f.)

Modern Miss

Applicant claims ownership of Registrations Nos. 250,957, 388,233, and 424,826.
For Ladies' and Children's Hats.
Claims use since Aug. 20, 1936.

Ser. No. 561,725. The Coward Shoe, Inc., New York, N. Y. Filed July 20, 1948. (Sec. 2f.)

"Conservatives"

For Men's Leather Shoes.
Claims use since Dec. 27, 1939.

Ser. No. 569,510. Dover Lane Clothes, Inc., New York, N. Y. Filed Nov. 27, 1948.



The notation "Made by" is disclaimed. "Dover Lane" is fanciful.
For Men's Suits, Coats, Vests, Trousers, Topcoats, and Overcoats.
Claims use since Oct. 1, 1948.

Ser. No. 571,669. Shoe Corporation of America, Columbus, Ohio. Filed Jan. 5, 1949.

Video PALS

For Men's, Women's, and Children's Shoes.
Claims use since Dec. 16, 1948.

Ser. No. 585,071. Jasper Glove Company, Inc., Jasper, Ind. Filed Sept. 20, 1949.



For Work Gloves, Made of Combination Leather and Fabric.
Claims use since July 7, 1949.

Ser. No. 585,288. Ladycraft Dresses, Inc., New York, N. Y. Filed Sept. 24, 1949.

"Videon Crepe"

The word "Crepe" is disclaimed.
For Ladies' Dresses Made of Crepe Cloth.
Claims use since Sept. 3, 1949.

Ser. No. 585,908. Associated Crib Diaper Companies, Inc., Chicago, Ill. Filed Oct. 7, 1949.



For Children's Underdrawers or Under Pants.
Claims use since Sept. 14, 1949.

Ser. No. 586,482. Holeproof Hosiery Co., Milwaukee, Wis. Filed Oct. 18, 1949.

SHOK SOX

The word "Sox" is disclaimed.
For Anklets for Boys and Girls.
Claims use since Sept. 23, 1949.

Ser. No. 587,544. Fownes Bros. & Co. Inc., New York, N. Y. Filed Nov. 9, 1949. (Sec. 2f as to "Fownes.")

FOWNES
NYLO

Applicant claims ownership of Registrations Nos. 23,017 and 49,094.
For Gloves Made of Leather and Fabric and Combinations Thereof.
Claims use since May 15, 1949, as shown; and since 1825 as to "Fownes."

Ser. No. 589,902. Lenoir Hosiery Mills, Inc., Lenoir, N. C. Filed Dec. 24, 1949.



The picture of the girl with the parasol is purely fanciful.
For Hosiery for Women.
Claims use since Nov. 1, 1949.

Ser. No. 592,208. Korth-Jefferson, Inc., Jefferson, Wis. Filed Feb. 9, 1950.

Shox

For Short Stockings or Foot Covers Intended Primarily for Wear by Women and Girls.
Claims use since Apr. 7, 1949.

Ser. No. 593,861. Crescent Corset Company, Inc., Cortland, N. Y. Filed Mar. 13, 1950.

Cres-Flex

The word "Flex" is disclaimed.
For Corsets and Foundation Garments.
Claims use since Feb. 28, 1950.

Ser. No. 597,457. Phyllis Shoe Company, Inc., Lowell, Mass. Filed May 15, 1950.

Phyl-Flex

The word "Flex" is disclaimed.
For Ladies' and Children's Shoes.
Claims use since Jan. 1, 1932.

Ser. No. 600,238. John White Footwear Limited, Higham Ferrers, Northamptonshire, England. Filed July 5, 1950.

John Whites

The mark is the name of "John White," chairman and managing director of applicant corporation; consent to register is of record. Applicant claims ownership of British Registration No. 602,205, dated Nov. 9, 1938.
For Men's and Youths' Boots, Shoes, and Slippers.

Ser. No. 602,175. Trachtenbergs, Washington, D. C. Filed Aug. 14, 1950.

Trayhill

For Blouses, Skirts, Dresses, and Suits, for Women, Misses, and Juniors.
Claims use since Aug. 8, 1950.

Ser. No. 602,326. Metropolitan Shoemakers, Inc., Chicago, Ill. Filed Aug. 17, 1950.

De La Mar

Applicant claims ownership of Registration No. 362,121.
For Ladies' Shoes.
Claims use since June 1937.

Ser. No. 602,971. Radelle Lingerie Corporation, Long Island City, N. Y. Filed Aug. 30, 1950.

RAELLON

Applicant claims ownership of Registration No. 376,240.
For Women's Slips, Petticoats, and Nightgowns.
Claims use since Aug. 21, 1950.

Ser. No. 602,972. Randolph Manufacturing Company, Incorporated, Randolph, Mass. Filed Aug. 30, 1950.



The portrait of the cowboy is fanciful.
For Canvas and Rubber Footwear—Namely, Children's Sneakers and Play Shoes.
Claims use since Apr. 21, 1950.

Ser. No. 603,324. Wright-Batcheider Corporation, Boston, Mass. Filed Sept. 8, 1950. (Sec. 2f as to "Dryseal.")



Applicant claims ownership of Registrations Nos. 422,124 and 522,542.
For Shoe Welts.
Claims use since Mar. 15, 1950, as to the mark shown; and since Oct. 1, 1944, as to "Dryseal."

Ser. No. 604,211. I. Miller & Sons, Inc., Long Island City, N. Y. Filed Sept. 29, 1950.

millerkins

Applicant claims ownership of Registrations Nos. 179,272 and 220,831.
For Ladies' and Girls' Shoes.
Claims use since 1937.

Ser. No. 604,306. Roger Kent, Inc., New York, N. Y., Philadelphia, Pa., New Haven, Conn., Cambridge and Boston, Mass. Filed Oct. 2, 1950.

THE NYLKENT

For Men's Clothing—Namely, Two-Piece Suits.
Claims use since Feb. 1, 1950.

Ser. No. 604,894. American Girl Shoe Co., Boston, Mass. Filed Oct. 14, 1950.

AMERICAN GIRL

Applicant claims ownership of Registration No. 56,100.
For Ladies' and Misses' Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since April 1896.

Ser. No. 605,762. Peter Pan Foundations, Inc., New York, N. Y. Filed Nov. 1, 1950.

PRETENDER

For Brassières.
Claims use since Oct. 2, 1950.

Ser. No. 605,764. Plymouth Undergarment Co., New York, N. Y. Filed Nov. 1, 1950.

"Hearts and Flowers"

For Women's Undergarments—Namely, Panties.
Claims use since Aug. 1, 1950.

Ser. No. 609,862. John Irving Shoe Corporation, Boston, Mass. Filed Feb. 9, 1951.

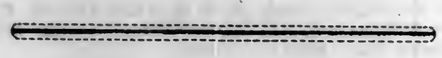
"AMBLERS"

For Women's Shoes.
Claims use since Oct. 21, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 598,824. Anchor Plastics Company, Inc., New York, N. Y. Filed June 9, 1950.



The drawing is lined for blue and the mark consists of a blue line printed on the goods and extending lengthwise.
For Boning or Stays for Brassières, Corsets, and Outer Garments.
Claims use since May 25, 1949.

Ser. No. 599,432. Hertz & Company, Inc., New York, N. Y. Filed June 20, 1950.



For Metallic Embroidered Insertions, Edgings, and Medallions, and Emblems Not Made of Precious Metal.
Claims use since May 8, 1950.

Ser. No. 602,420. Alice L. B. Powers, Larchmont, N. Y. Filed Aug. 18, 1950.

Strap-ups

The word "Strap" is disclaimed.
For Lingerie Ribbon Retainers Comprising Metal or Plastic Devices To Be Sewn Into a Garment at the Shoulder Seam, or to the Shoulder Pad To Keep Shoulder Straps in Place.
Claims use since Apr. 14, 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 571,410. Diane Export Co., New York, N. Y. Filed Dec. 31, 1948.



For Textile Fabrics of Cotton, Wool, Silk, and Synthetic Fibres.
Claims use since Feb. 10, 1932.

Ser. No. 591,124. The United Piece Dye Works, Lodi, N. J. Filed Jan. 19, 1950.

UNIDURE

Applicant claims ownership of Registrations Nos. 513,503 and 521,032.
For Fabrics in the Piece of Rayon, Wool, Cotton, Nylon, and Mixtures Thereof; and Linen Fabrics in the Piece.
Claims use since Feb. 17, 1944.

Ser. No. 591,126. The United Piece Dye Works, Lodi, N. J. Filed Jan. 19, 1950.

UNIFAST

Applicant claims ownership of Registrations Nos. 438,758 and 513,502.
For Fabrics in the Piece of Rayon, Wool, Cotton, Nylon, and Mixtures Thereof; and Linen Fabrics in the Piece.
Claims use since Aug. 12, 1946.

Ser. No. 591,128. The United Piece Dye Works, Lodi, N. J. Filed Jan. 19, 1950.

UNISEC

Applicant claims ownership of Registration No. 514,289.
For Fabrics in the Piece of Rayon, Wool, Cotton, Nylon, and Mixtures Thereof; and Linen Fabrics in the Piece.
Claims use since Sept. 17, 1947.

Ser. No. 594,882. Burlington Mills Corporation, Greensboro, N. C. Filed Mar. 30, 1950.

PROUD BEAUTY

For Textile Fabrics in the Piece Made of Synthetic Fibers.
Claims use since Feb. 16, 1950.

Ser. No. 596,428. R. Lally Co., Evanston, Ill. Filed Apr. 27, 1950.



For Pillow Ticks.
Claims use since Nov. 11, 1948.

Ser. No. 597,279. Herbert R. Leeds & Co., Inc., New York, N. Y. Filed May 11, 1950.

NYLUME

For Worsted Fabrics in the Piece.
Claims use since June 1949.

Ser. No. 600,539. Hego Fabrics, Inc., New York, N. Y. Filed July 12, 1950.

TOWLON

For Textile Fabrics in the Piece, of Nylon and Tow-Spun Rayon.
Claims use since Jan. 3, 1950.

Ser. No. 607,737. Burlington Mills Corporation, Greensboro, N. C. Filed Dec. 16, 1950.

RIBALINDA

For Textile Fabrics in the Piece Made of Synthetic Fibers.
Claims use since Nov. 8, 1950.

CLASS 43

THREAD AND YARN

Ser. No. 586,616. American Viscose Corporation, Philadelphia, Pa. Filed Oct. 21, 1949.

FILATON

For Yarns, Threads, and Yarn and Thread Filaments.
Claims use since Sept. 27, 1949.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 545,830. Egyptian Chemical Company, Boston, Mass. Filed Dec. 31, 1947.



For Embalming Machine.
Claims use since Sept. 16, 1947.

Ser. No. 574,187. Austenal Laboratories, Incorporated, New York, N. Y. Filed Feb. 21, 1949.



The words "Process" and "Precision Castings" are disclaimed. Applicant claims ownership of Registration No. 423,935.
For Dentures and Surgical Appliances, Said Surgical Appliances Consisting of Bone Plates, Bone Plate Screws,

Contact Splints, Finger Plates, Finger Plate Screws, Hip Nails, Hip Screws, Hip Caps, Pull-Up Screws, Transfixion Screws, Intertrochanteric Appliances, Spinal Fusion Plates, Bolts, Washers, Nuts, Lag Screws, Coracoclavicular Screws, Fracture Nails, Growth Markers, Radius Caps, Skull Plates, Skull Plate Screws, Hernia Plates, Orbital Implants, Testicular Implants, Nasolacrimal Duct Tubes, Ear Molds, Colostomy Plugs, Retention Catheters, Stem Pessaries, Blood Vessel Tubes, Portacaval Shunt Tubes, Bile Duct Tubes, Extra-Oral and Intra-Oral Jaw Fracture Appliances, Drilling Wells, and Reconstructive Appliances Formed in Anatomical Shapes.
Claims use since Dec. 23, 1946.

Ser. No. 576,007. Roland M. Miller, doing business as Roe Miller Dental Laboratory, Cleveland, Ohio. Filed Mar. 24, 1949.



The representation of the denture as shown in dotted lines is disclaimed. The trade-mark consists of a white dot placed on the goods.
For Dentures, Dental Plates, and Bridges.
Claims use since Jan. 3, 1949.

Ser. No. 593,808. Millers Forge Mfg. Corp., New York, N. Y. Filed Mar. 11, 1950.

Tweez-eez

The word "Tweez" is disclaimed.
For Toilet Tweezers.
Claims use since Jan. 31, 1950.

Ser. No. 597,638. The Sun Rubber Company, Barberton, Ohio. Filed May 17, 1950.

Sunruco

Applicant claims ownership of Registrations Nos. 192,614, 265,774, and others.
For Teething Instruments.
Claims use since June 1, 1924.

Ser. No. 599,109. Millers Forge Mfg. Corp., New York, N. Y. Filed June 14, 1950.

Premier

Applicant claims ownership of Registrations Nos. 152,485 and 168,713.
For Nail Files, Tweezers, Cuticle Scissors, Nail Scissors, Cuticle Nippers, Cuticle Pushers, Cuticle Knives, Blackhead Removers, Nail Clips, Nail Nippers, Nail Clippers, Cuticle Clippers, Baby Manicure Scissors.
Claims use since Apr. 16, 1950.

Ser. No. 600,363. Northam Warren Corporation, Stamford, Conn. Filed July 7, 1950.

Budget

For Manicure Sets, Containing Nail Polish, Nail Polish Remover, Cuticle Remover, Emery Boards, Manicure Sticks, and a Nail File.
Claims use since June 30, 1950.

Ser. No. 602,576. D. Mary Suich, doing business as Molly Enterprises, Altadena, Calif. Filed Aug. 22, 1950.

Bottle Bootee

The word "Bottle" is disclaimed.
For Holder for Baby Nursing Bottle.
Claims use since Mar. 9, 1950.

Ser. No. 604,405. Vernon-Benshoff Company, Pittsburgh, Pa. Filed Oct. 3, 1950.

ORTHO-NET

For Plastic Fabric for Reinforcing a Fabric Material for Fabrication Into Orthopedic Appliances.
Claims use since July 19, 1950.

Ser. No. 604,407. Vernon-Benshoff Company, Pittsburgh, Pa. Filed Oct. 3, 1950.

ORTHO-ROC

For Quick-Setting Molding Material for Constructing Orthopedic Positive Molds.
Claims use since July 19, 1950.

Ser. No. 605,112. Myerson Tooth Corporation, Cambridge, Mass. Filed Oct. 18, 1950.

FLX

For Artificial Teeth.
Claims use since Oct. 6, 1950.

Ser. No. 605,176. Lester T. Sawyer, doing business under the name and style of HyCrest Farms, Sterling, Mass. Filed Oct. 19, 1950.

HyCrest

For Vaginal Speculums for Use on Cows for Artificial Semination.
Claims use since Nov. 25, 1949.

Ser. No. 605,520. Mann Chemical Laboratories, Inc., doing business as Leo Mann & Company, Boston, Mass. Filed Oct. 26, 1950.

The Golden Dram miser

For Atomizers for Perfume and Cologne, Sold Empty.
Claims use since Apr. 28, 1950.

Ser. No. 605,625. The Baby Feedaider Company, Columbia, S. C. Filed Oct. 31, 1950.

FEEDAIDER

For Nursing Bottle Supports.
Claims use since May 1, 1950.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 523,514. Perry H. Chipurnoi, Inc., New York, N. Y. Original filed, act of 1905, June 4, 1947; amended to application under act of 1946, Principal Register, Dec. 19, 1947.

Toora Vale

The expression "Toora" is disclaimed.
For Cluster Raisins Sold in Boxes.
Claims use since June 3, 1947.

Ser. No. 545,434. California Consumers Corporation, Los Angeles, Calif. Filed Dec. 26, 1947. (Sec. 2f.)

FROZ-N PURE

The word "Froz-n" is disclaimed per se. Applicant claims ownership of Registrations Nos. 362,492, 380,146, 362,491, 389,651, 362,493, 381,857, and 531,637.
For Canned Frozen Citrus Juices for Food Purposes.
Claims use since Sept. 9, 1937.

Ser. No. 552,824. Washington Fish & Oyster Co., Inc., Seattle, Wash. Filed Mar. 23, 1948.

SOUNDBEAUTY

The word "Sound" is disclaimed.
For Canned Salmon.
Claims use since July 1934.

Ser. No. 557,127. Goodale & Co., Centralia, Ill., and distributing certain of its products under the name Even-Trade Dist. Co. Filed May 15, 1948.

EVEN-TRADE

For Canned Dog Food, the Chief Ingredients of Which Are Meat and Bone Meal, Soya Bean Oil Meal, Cracked Corn and Wheat, Fresh Carrots, Salt, Charcoal, Tallow, Garlic Powder, and Cod Liver Oil; Canned Tomato Puree; Tomato Catsup; Canned Hominy, Kraut, Beans, and Corn.
Claims use since 1933.

Ser. No. 568,475. T. E. Wilde & Son, Inc., Sacramento, Calif. Filed Nov. 9, 1948.



The word "Spuds" is disclaimed. No claim is made to the representation of a potato, per se, but claim is made to the representation of the potato containing a caricature of a human face.
For Peeled Raw Potatoes.
Claims use since Sept. 1, 1948.

Ser. No. 581,438. Pennbrook Ice Cream Company, Philadelphia, Pa. Filed July 1, 1949.



The representation of the goods and the words "Penn-Treats" and "Water Ice" are disclaimed.
For Water Ice or Sherbet Frozen on a Stick.
Claims use since May 25, 1949.

Ser. No. 582,895. The Creamette Company, Minneapolis, Minn. Filed Aug. 3, 1949.

KIDETTES

For Macaroni Food in the Form of Small Macaroni Rings.
Claims use since July 26, 1949.

Ser. No. 582,897. The Creamette Company, Minneapolis, Minn. Filed Aug. 3, 1949.

TOTETTES

For Macaroni Food in the Form of Small Macaroni Rings.
Claims use since July 26, 1949.

Ser. No. 584,621. Hallock-Denton Co., Newark, N. J. Filed Sept. 9, 1949.

TIP-TOP

For Non-Alcoholic Food Flavoring Extracts.
Claims use since Oct. 3, 1923.

Ser. No. 587,818. A. Ned Quartararo, Brooklyn, N. Y. Filed Nov. 15, 1949.

FRUIT OF THE SEA

The words "The Sea" are disclaimed.
For Frozen Sea Foods Consisting of Cooked Frozen Shrimp, Scungilli (Conch), Mussels, Clam Chowder, Crabmeat, Lobster, Calamari (Squid).
Claims use since Feb. 1, 1949.

Ser. No. 591,773. Philip R. Essex, doing business as Saps Bakery and Sap's Bakery, Columbus, Ind. Filed Feb. 1, 1950.



For Donuts and Pies.
Claims use since Sept. 8, 1947.

Ser. No. 595,851. Price Candy Company, Kansas City, Mo. Filed Apr. 17, 1950.



The word "Candy" is disclaimed. Applicant claims ownership of Registration No. 386,220.
For Candy.
Claims use since Aug. 8, 1947.

Ser. No. 602,238. Bertrand L. York, Piedmont, Calif. Filed Aug. 15, 1950.

POPS BY MOM

The words "Pops by" are disclaimed.
For Frozen Confections on a Stick or Handle.
Claims use since July 15, 1950.

Ser. No. 603,217. Absalon Brands, Inc., New York, N. Y. Filed Sept. 7, 1950.

ABSALON

For Cheeses and Fruit Preserves.
Claims use since Aug. 31, 1950.

Ser. No. 603,305. Penick & Ford, Ltd., Incorporated, New York, N. Y. Filed Sept. 8, 1950. (Sec. 2f.)

Penick

Applicant claims ownership of Registrations Nos. 54,577 and 384,809.
For Table Syrup.
Claims use since 1921.

Ser. No. 604,209. W. E. McGillvray, Stockton, Calif. Filed Sept. 29, 1950.



The word "Spud" is disclaimed.
For Potatoes in Their Natural State.
Claims use since Aug. 22, 1950.

Ser. No. 604,707. Sneex, Inc., Columbus, Ohio. Filed Oct. 10, 1950.

Dixie SNEEX

For Salted Edible Food Product Composed of Bread Particles Fried in Deep Fat.
Claims use since Jan. 2, 1950.

Ser. No. 605,338. R. C. Walter & Sons, Exeter, Calif. Filed Oct. 23, 1950.

VENIDA

For Fresh Grapes.
Claims use since Oct. 5, 1950.

Ser. No. 605,379. The Suffolk Peanut Company, Suffolk, Va. Filed Oct. 24, 1950.



For Raw Unshelled Peanuts.
Claims use since July 1, 1898.

Ser. No. 605,478. The Great Atlantic and Pacific Tea Company, New York, N. Y. Filed Oct. 27, 1950.

Sunnyfield

Applicant claims ownership of Registrations Nos. 159,362, 182,131, 185,150, 266,268, 283,006, 315,962, 379,638, 380,203, 396,218, 97,137, 386,297, 500,447, 502,299, and 511,272.
For Corn Starch, Lard, Pancake Mix, and Buckwheat Pancake Mix.
Claims use since July 1932.

Ser. No. 606,083. Page-Whitehurst Co., Borger, Tex. Filed Nov. 8, 1950.



For Potato Chips.
Claims use since July 28, 1950.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 583,628. H. Wenzel Tent & Duck Co., St. Louis, Mo. Filed Aug. 17, 1949.

FlameZel

For Fire Resistant Tarpaulins and Tents.
Claims use since July 19, 1949.

Ser. No. 583,629. H. Wenzel Tent & Duck Co., St. Louis, Mo. Filed Aug. 17, 1949.

RainZel

For Water Repellent Tarpaulins and Tents.
Claims use since July 19, 1949.

Ser. No. 597,639. The Sun Rubber Company, Barberton, Ohio. Filed May 17, 1950.

Sunruco

Applicant claims ownership of Registrations Nos. 192,614, 265,774, and others.
For Quick Seal Bottle Stoppers, Utility Floor Mats for Refuse Cans, Garbage Cans, Cuspidors and the Like, and Rubber Hanging Adaptors for Household Implements With Handles.
Claims use since June 1, 1924.

Ser. No. 598,103. The Paine & Williams Company, Cleveland, Ohio. Filed May 25, 1950.

PROTEXO-MAT

The word "Mat" is disclaimed.
For Flexible Rubber Mats.
Claims use since May 5, 1950.

Ser. No. 603,883. Gey Band and Tag Company, Norristown, Pa. Filed Sept. 22, 1950.

GEYCO

For Identification Devices—Namely, Identification Leg and Wing Bands for Pigeons, Game Birds, and Poultry, and Plastic Labels and Markers for Plants, Shrubs, and Trees.
Claims use since Sept. 8, 1950.

Ser. No. 604,178. American Mat Corporation, Toledo, Ohio. Filed Sept. 29, 1950.

DO-ALL

For Protective and Cushioning Mats and Rugs Fabricated From Rubber, Rubber Substitutes, and Similar Materials.
Claims use since Nov. 18, 1949.

Ser. No. 604,343. Gamble-Skogmo, Inc., Minneapolis, Minn. Filed Sept. 29, 1950.



Applicant claims ownership of Registrations Nos. 531,811, 535,358, 537,412, and 540,808.
For Chick Feeders, Hog Feeders, and Chick Fountains.
Claims use since October 1949.

Ser. No. 604,642. Lehara Sales Corporation, New York, N. Y. Filed Oct. 9, 1950.

"BIOVAC"

For Covers Used To Cover Motor Generators While Said Generators Are Being Cleaned by Means of Air Pressure.
Claims use since July 18, 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 570,050. Harper Method, Rochester, N. Y. Filed Dec. 6, 1948. (Sec. 2f.)

Harper Method

The word "Method" is disclaimed. Applicant claims ownership of Registrations Nos. 204,392, 205,024, and others.
For Lemon Cream, Cold Cream and Vanishing Cream, Solid and Liquid Cleansing and Facial Creams, Stimulating Cream, Solid and Liquid Foundation Creams, Tissue Cream, Liquid Suntan Cream, Massage Cream, Make-Up Remover Cream, Cosmetic Cream Remover, Skin Astringents, Skin Lotions, Skin Tonics and Fresheners, Facial Packs, Primary Facial Oil, Face Powder, Talcum Powder, Dusting Powder, Personal Deodorant, Hair Tonics, Pore Paste, Liquid Brilliantine, Liquid and Powdered Hair Rinses, Hair Wave Lotions and Oils, Bluing Liquid for the Hair, Hair Crayon, Hair Lacquer, Hair Oil Bleach, Tint Remover, Liquid Nail Polish, Nail Polish Remover, Manicure Oil, Hand Cream, Hand Treatment Oils, Hand Protective Films, Perfume, Toilet Water, Lip Salve, Bath Oil, Bath Crystals, Rouge, Colored Cake Foundation, Lipstick, Eyebrow Pencils, Leg Make-Up, and Permanent Wave Lotions.
Claims use since Sept. 1, 1921.

Ser. No. 573,194. The Nestle-Le Mur Company, South Meriden, Conn. Filed Feb. 2, 1949.

FLEETWAVE

For Preparations for Use in the Treatment of the Hair—Namely, Lotions and Creams for Softening Hair, Lotions and Creams for Use in Waving or Curling Hair.
Claims use since Nov. 10, 1947.

Ser. No. 578,571. Consolidated Cosmetics, Chicago, Ill. Filed May 11, 1949.

LIP CONTROL

The word "Lip" is disclaimed. Applicant claims ownership of Registration No. 336,807.
For Lipstick and Lip Salve.
Claims use since Apr. 29, 1949.

Ser. No. 593,365. Parfums Corday, Inc., New York, N. Y. Filed Mar. 3, 1950.

romantique

Applicant claims ownership of Registration No. 267,753.
For Perfume.
Claims use since September 1948.

Ser. No. 598,652. House of Westmore, Inc., New York, N. Y. Filed June 6, 1950.

TRU/GLO

Applicant claims ownership of Registration No. 516,045.
For Lipstick, Rouge, Liquid Foundation, and Foundation Cream.
Claims use since May 8, 1950.

Ser. No. 602,075. Western Pharmacal Company, Salt Lake City, Utah. Filed Aug. 10, 1950.

WESTAN

For Lotion for Prevention of Sunburn.
Claims use since Jan. 16, 1948.

Ser. No. 602,318. Haugron Cientifical, S. A., Barcelona, Spain. Filed Aug. 17, 1950.



The portrait displayed represents a fanciful person. Applicant claims ownership of Spanish Registration No. 96,505, dated Mar. 12, 1936, also United States Registration No. 431,853.
For Cosmetics — Namely, Perfumes, Toilet Waters, Rouge, Face Powders and Lotions, Lip Sticks, Hair Tonics and Preparations, Tooth Powders and Paste, and Talcum Powders.

Ser. No. 602,587. Peter Vest Sales Corporation, New York, N. Y. Filed Aug. 22, 1950.

Peter Vest

The name "Peter Vest" is the name of applicant's president, and consent is of record.
For Eyebrow Pencils, Eye Shadow, Cream Rouge, Lipstick, Foundation Creams, Dry Rouge, Perfumes, Face Powder, Sachet Powder, Skin Lotion, Cleansing Cream, and Hand Cream.
Claims use since May 8, 1950.

Ser. No. 603,083. Joseph Schaeffer, Brattleboro, Vt. Filed Sept. 1, 1950.



The surname "Schaeffer" is disclaimed.
For Cosmetic Preparations — Namely, Liquid Hair Dressing (Brilliantine), Hair Lotion, Scalp and Hair Cream, and Face and Hand Cream.
Claims use since Apr. 1, 1942.

Ser. No. 603,884. Jeradent Inc., Newark, N. J. Filed Sept. 22, 1950.

JERADENT

For Dental Plate Cleaning Composition.
Claims use since May 26, 1950.

Ser. No. 608,193. The Afo Company, Gloversville, N. Y. Filed Dec. 29, 1950.

AFO

For Shaving Cream.
Claims use since Sept. 1, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 560,452. The De Pree Company, Holland, Mich. Filed June 30, 1948. (Classified in Class 4.)



The representation of the nurse shown in the drawing is fanciful. Applicant claims ownership of Registrations Nos. 106,222, 121,048, and 126,838.
For Alteratives, Antacid Preparations, Antiseptics, Aspirin Tablets, Astringents, Baby Oils, Castoria, Cod Liver Oil, Cold Capsules, Cough Drops, Cough Syrups, Demulcent Absorptives, Diuretics, Douche Powders, Ear Oils, Emulsions, Eye Drops, Eye Lotions, Foot Powders, Foot Salves, Foot Crystals, Corn Liquids, Halibut Liver Oil, Headache Capsules, Inhalants for Relief of Nasal Congestion, Insecticides, Laxatives in Liquid and Tablet Form, Liniments, Medicated Skin Creams, Medicated Skin Lotions, Medicated Skin Ointments, Milk of Magnesia in Liquid and Tablet Form, Mineral Oils, Mouth Washes, Nose and Throat Drops, Parasiticides, Petroleum Jellies, Rubbing Alcohol Compounds, Rubbing Oils, Sedative Compounds, Seidlitz Powders, Soda Mint Tablets, Sulfur Lozenges, Suppositories; Tonics for the Nerves, Blood, and General System; Toothache Drops, Uterine Sedatives, Vermifuges; Vitamin Products in Capsule, Tablet, and Liquid Form; Alum, Bicarbonate of Soda, Borax, Boric Acid, Catnip Herb, Chalk for Use as an Antacid and Dusting Powder, Compound Licorice Powder, Cream of Tartar, Epsom Salt, Flaxseed, Henna, Moth Crystals, Potassium Permanganate, Psillium Seed, Pumice Powder, Salicylic Acid, Salt Petre, Senna Leaves, Sugar of Lead, Sulfur, Turmeric Powder, Whiting Alba, Acetone, Aluminum Acetate, Ammonia, Arnica, Benzoin Compound, Calamine Lotion, Camphor, Camphorated Oil, Cascara Sagrada, Castor Oil, Oil of Clove, Dobell's Solution, Oil of Eucalyptus, Formaldehyde, Glycerin, Glycerin and Rose Water, Green Soap, Hydrogen Peroxide, Iodine, Germicides, Neat's-Foot Oil, Sweet Spirit of Nitre, Essence of Peppermint, Oil of Wintergreen, and Witch Hazel.
Claims use since Feb. 15, 1913.

Ser. No. 562,469. Harding Manufacturing Co. Inc., Detroit, Mich. Filed July 29, 1948.

DUST ALL

For Tack Rags—Namely, Pieces of Gauze or the Like Impregnated With a Permanently Tacky Varnish-Like Composition for Picking Up and Retaining Dust and Dirt.
Claims use since May 10, 1946.

Ser. No. 562,654. Milo Harding Company, Los Angeles, Calif. Filed Aug. 2, 1948.

TEMPO

Applicant claims ownership of Registrations Nos. 293,678 and 514,911.

For Cleaning Fluid for Duplicating Machine Stencils, Cleaner for Typewriter Type, and Cleansing Cream for Removing Duplicator Ink From the Hands.

Claims use since Dec. 1, 1929.

Ser. No. 566,224. Gold Eagle Products Co., Chicago, Ill. Filed Oct. 1, 1948.

GOLD EAGLE

For Hydraulic Brake Fluid, Radiator Flush, Hydraulic Shock Absorber Fluid, Knee Action Fluid, and Fire Extinguisher Fluid.

Claims use since Sept. 30, 1932.

Ser. No. 567,782. B. Heller & Company, Chicago, Ill. Filed Oct. 28, 1948. (Classified in Class 4.) (Sec. 2f.)

$1000.00 Guaranteed

The word "Guaranteed" is disclaimed. Applicant claims ownership of Registrations Nos. 111,717, 141,292, 144,659, 173,815, 174,010, 181,183, 182,512, 300,128, 300,333.

For Cleaning and Polishing Preparations—Namely, Silver and Chromium Polish, Metal Polish, Bowl Cleaners, and Enamel Cleaners.

Claims use since Jan. 5, 1905.

Ser. No. 569,586. Attapulgus Clay Company, Philadelphia, Pa., assignee of Charles M. Addis, doing business as Refiners Lubricating Company. Filed Nov. 30, 1948. (Sec. 2f.)

SPEEDI-DRI

For Floor Cleaning Compounds Having Oil and Water Absorbent and Incidental Fire Prevention Properties.

Claims use since May 19, 1941.

Ser. No. 574,859. Phillips Manufacturing Co., Chicago, Ill. Filed Mar. 3, 1949.

PHILLPER

Applicant claims ownership of Registration No. 440,402.

For Degreasing Compounds for Removing Grease and Oil From Metal Parts or Machine Parts.

Claims use since Feb. 22, 1949.

Ser. No. 575,291. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Filed Mar. 11, 1949.

Sparkette

For Detergent for Laundry Use.

Claims use since Dec. 7, 1948.

Ser. No. 579,081. Camp Chemical Company, Inc., Brooklyn, N. Y. Filed May 19, 1949.

CAMP

For Chemical Compound Used to Clean, Purify, and Deodorize Cesspools, Septic Tanks, Drainage Lines, Grease Traps, Seepage Pools, and the Like; a Chemical Compound Used To Clean and Condition Cesspools, Septic Tanks, and the Like, Having Disinfecting and Deodorizing Properties.

Claims use since Mar. 1, 1947.

Ser. No. 580,820. Harry Butters, doing business as Butters Mfg. Co., Boston, Mass. Filed June 21, 1949.

TOYDET

The drawing is lined for the color red.

For Cleaning Compound for Toilet Bowls, Toilet Receptacles, and the Like.

Claims use since May 3, 1949.

Ser. No. 580,828. Diamond Alkali Company, Cleveland, Ohio. Filed June 21, 1949.

DI-AQUA

For Penetrating or Wetting Agent for Use in Detergent Compositions and Detergent Solutions.

Claims use since Dec. 21, 1948.

Ser. No. 581,749. "X" Laboratories, Inc., New York, N. Y. Filed July 9, 1949.



The term "Karwash" is disclaimed. Applicant claims ownership of Registration No. 303,870.

For Preparation for Cleaning Automobile Bodies.

Claims use since Apr. 18, 1939.

Ser. No. 586,822. Sanford Ink Company, Bellwood, Ill. Filed Oct. 25, 1949.

X-it

For Fluid Ink Eradicator.

Claims use since March 1949.

Ser. No. 587,372. The M. Werk Company, St. Bernard, Ohio. Filed Nov. 4, 1949.

WINS

For Soap.

Claims use since May 24, 1949.

Ser. No. 588,002. Calgon, Incorporated, Pittsburgh, Pa. Filed Nov. 18, 1949.

calgon

Applicant claims ownership of Registrations Nos. 306,582, 323,524, and others.

For Metal Cleaners and Detergents for General Use.

Claims use since July 15, 1947.

Ser. No. 588,320. Patek and Co., San Francisco, Calif. Filed Nov. 25, 1949.

PATEXOL

Applicant claims ownership of Registration No. 340,927.

For Spot Remover for Dry Cleaning, Wet Cleaning, and Laundry Use.

Claims use since July 1938.

Ser. No. 588,402. John C. Stalfort & Sons, Inc., Baltimore, Md. Filed Nov. 26, 1949.

COTA-GLASS

The word "Glass" is disclaimed.

For Solid, Powdered, and Liquid Cleaners for Glass, That Is, Windows and the Like.

Claims use since Nov. 25, 1949.

Ser. No. 590,779. Puritan Company, Incorporated, Rochester, N. Y. Filed Nov. 26, 1949.

84

For Hand Cleaning Compound Commonly Known as Industrial Hand Soap.

Claims use since July 11, 1940.

Ser. No. 592,294. Alrose Chemical Company, Cranston, R. I. Filed Feb. 11, 1950.



Applicant claims ownership of Registrations Nos. 378,512, 378,513, and others.

For Cleaning Compositions, Particularly for Treatment of Natural and Artificial Textile Fibres or Fllaments, or of Metals and Other Solid Surfaces.

Claims use since 1947.

Ser. No. 594,442. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 23, 1950.



Applicant claims ownership of Registration No. 210,917.

For Synthetic and Natural Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps.

Claims use since 1910.

Ser. No. 596,188. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Apr. 22, 1950.

MINNEHAHA LIQUID SOAP

The drawing is lined for red. The words "Liquid" and "Soap" are disclaimed.

For Detergent Preparation—Namely, a Castor and Coconut Oil Liquid Soap.

Claims use since Jan. 1, 1915.

Ser. No. 596,206. Stamford Chemical Company, Stamford, Conn. Filed Apr. 22, 1950.

VIVIDOL

For Dry Cleaning Detergents.
Claims use since May 2, 1949.

Ser. No. 598,038. Raymond Laboratories, Inc., St. Paul, Minn. Filed May 24, 1950.

Rayette

Applicant claims ownership of Registrations Nos. 403,074 and 535,629.
For Preparations for the Treatment of Hair—Namely, Shampoos.
Claims use since Jan. 4, 1949.

SERVICE MARKS

CLASS 100
MISCELLANEOUS

Ser. No. 541,283. S. & G. Gump Company, San Francisco, Calif., assignor to Gump's, Inc., a corporation of California. Filed Nov. 15, 1947. (Classified in Class 103.) (Sec. 2f.)

GUMP'S

For Reupholstering and Designing of Furniture to Order.
Claims use since Apr. 2, 1940.

CLASS 103
CONSTRUCTION AND REPAIR

Ser. No. 541,283. S. & G. Gump Company, San Francisco, Calif., assignor to Gump's, Inc., a corporation of California. Filed Nov. 15, 1947. (Sec. 2f.)

GUMP'S

For Reupholstering and Designing of Furniture to Order.
Claims use since Apr. 2, 1940.

CLASS 106
MATERIAL TREATMENT

Ser. No. 582,508. Vacuum Cooling Co., San Francisco, Calif. Filed July 25, 1949.

For Pre-Cooling of Food Produce.
Claims use since May 23, 1949.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,528. Plastic Tubular Containers in the Nature of or Which Resemble Test-Tubes Which Are Used in Laboratories. Lusteroid Container Company, Inc., South Orange, N. J.
Filed Aug. 23, 1946, Serial No. 508,684. Published Apr. 10, 1951. Class 2.

444,529. Scalp and Hair Conditioner and Dandruff Remover. Anthony Theodore Spano, doing business as Spano, New York, N. Y.
Filed May 12, 1947, Serial No. 522,299. Published Apr. 3, 1951. Class 51.

444,530. Metal Castings. Nichols Engineering & Research Corp., New York, N. Y.
Filed July 2, 1947, Serial No. 525,659. Published Sept. 16, 1947. Class 14.

444,531. Sweetened Biscuits. The Maryland Biscuit Company, Baltimore, Md.
Filed July 3, 1947, Serial No. 525,896. Published Apr. 10, 1951. Class 46.

444,532. Peanut Oil and Peanut Butter, Mayonnaise, Salad Dressing, and Honey. John Tillman, doing business as Southern Foods, Thomasville, Ga., assignor, by mesne assignments, to Rose City Foods, Inc., Thomasville, Ga., a corporation of Georgia.
Filed July 3, 1947, Serial No. 525,984. Published Apr. 17, 1951. Class 46.

ACT OF 1946, PRINCIPAL REGISTER

545,022. Basemetal Plates, Service Trays, and Bowls. United Tube Corporation, Elwood City, Pa.
Original filed, act of 1905, Feb. 11, 1946; amended to application under act of 1946, Principal Register, Jan. 13, 1950, Serial No. 496,411. Published Apr. 10, 1951. Class 13.

545,023. Venetian Blinds. Clifton Manufacturing Company, Waco, Tex.
Original filed, act of 1905, Mar. 1, 1946; amended to application under act of 1946, Principal Register, Feb. 11, 1948, Serial No. 497,454. Published Apr. 24, 1951. Class 32.

545,024. Automobiles, Busses, Automotive Trucks, Boat Trailers, Etc. Marmon-Herrington Company, Inc., Indianapolis, Ind.
Original filed, act of 1905, Apr. 20, 1946; amended to application under act of 1946, Principal Register, Aug. 14, 1947, Serial No. 500,620. Published Apr. 24, 1951. Class 19.

545,025. Canned Fruits. Turlock Co-Operative Growers, Modesto, Calif.
Original filed, act of 1905, Oct. 12, 1946; amended to application under act of 1946, Principal Register, Aug. 18, 1947, Serial No. 510,815. Published Apr. 19, 1949. Class 46.

545,026. Bread. Harvey R. Grant, doing business as The H. R. Grant Bakery, Chicago, Ill.
Original filed, act of 1905, Jan. 31, 1947; amended to application under act of 1946, Principal Register, Oct. 28, 1947, Serial No. 516,691. Published Mar. 27, 1951. Class 46.

545,027. Trucks for Use in Meat Packing Houses; Truck Casters; Composite Wheels for Industrial Trucks; Iron, Steel and Wood Track Wheels; and Tub and Container Dollies. St. John & Co., Chicago, Ill.
Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Jan. 29, 1949, Serial No. 519,702. Published Apr. 24, 1951. Class 19.

545,028. Self-Energizing Galvanic Couple Comprising an Anode and Cathode of Dissimilar Metals for Dissolving Boiler Scale and Preventing Further Formation of the Same. Edgar M. Butler, doing business as Butler Engineering Company, New Orleans, La.
Original filed, act of 1905, Apr. 12, 1947; amended to application under act of 1946, Principal Register, Oct. 25, 1947, Serial No. 520,548. Published Apr. 24, 1951. Class 21.

545,029. Reflectors and Reflector Hoods for Electric Lights. Benjamin Electric Manufacturing Company, Des Plaines, Ill.
Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, Oct. 13, 1948, Serial No. 523,736. Published Apr. 24, 1951. Class 21.

545,030. Foods, Substances Used as Foods, and Ingredients of Foods, Etc. The R. T. French Company, Rochester, N. Y.
Original filed, act of 1905, June 19, 1947; amended to application under act of 1946, Principal Register, June 18, 1948, Serial No. 524,452. Published Apr. 10, 1951. Class 46.

545,031. Copper and Brass Tubing, Flap Valves, Etc. Bijur Lubricating Corporation, Long Island City, N. Y.
Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, July 20, 1950, Serial No. 526,190. Published Apr. 24, 1951. Class 13.

545,032. Thermostat Designed as a Control for Use in Heating Systems. Minneapolis-Honeywell Regulator Company, Minneapolis, Minn.
Filed July 5, 1947, Serial No. 527,770. Published Apr. 17, 1951. Class 26.

545,033. Mildly Acid Solution for Treating Photographic Film and Paper Between the Developing and Fixing Baths, the Said Acid Solution Containing a Color Indicator Which Shows When the Acid of the Solution Is Exhausted. The Edwal Laboratories, Inc., Chicago, Ill.
Filed July 5, 1947, Serial No. 527,830. Published Apr. 10, 1951. Class 6.

545,034. Electric Laundry Washers and Portable Laundry Wringers. Chicago Electric Manufacturing Company, Chicago, Ill.
Filed July 24, 1947, Serial No. 529,357. Published May 1, 1951. Class 24.

545,035. Electric Laundry Washers and Portable Laundry Wringers. Chicago Electric Manufacturing Company, Chicago, Ill.
Filed July 24, 1947, Serial No. 529,359. Published May 1, 1951. Class 24.

545,036. Candy. The Shotwell Mfg. Co., Chicago, Ill.
Filed Sept. 5, 1947, Serial No. 533,626. Published Apr. 17, 1951. Class 46.

545,037. Showcases, Counters, Cabinets, Display Racks, Wall-Fixtures, Display Cases, Tables, Desks, Chairs and Divans, All in the Nature of Furniture. Woodwork Corporation of America, Chicago, Ill.
Filed Sept. 25, 1947, Serial No. 535,778. Published Apr. 24, 1951. Class 32.

545,038. Canned Pineapple Juice. Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, and San Francisco, Calif.
Filed Sept. 29, 1947, Serial No. 536,081. Published Mar. 27, 1951. Class 46.

545,039. Defatted Wheat Germ. Life of Wheat Company, Monticello, Ill.
Filed Sept. 29, 1947, Serial No. 536,103. Published Mar. 27, 1951. Class 46.

545,040. Extracts for Food-Flavoring Purposes From Selected Vanilla Beans and Extracts for Food-Flavoring Purposes for the Following Flavors, Etc. Foote & Jenks, Inc., Jackson, Mich.
Filed Oct. 3, 1947, Serial No. 536,683. Published Apr. 17, 1951. Class 46.

545,041. Agricultural Insecticides and Fungicides. Chipman Chemical Company, Inc., Bound Brook, N. J.
Filed Oct. 4, 1947, Serial No. 536,767. Published Aug. 24, 1948. Class 6.

545,042. Empty Tool Chests; Hopper Bins; Tool Boxes; Metal Baskets for Holding Various Articles; Metal Pans, Nesting Within Each Other When Not in Use for Holding Various Articles; Metal Utility Boxes for Various Uses; and Tool Trays. Lyon Metal Products, Incorporated, Aurora, Ill.
Filed Oct. 8, 1947, Serial No. 537,203. Published Apr. 26, 1949. Class 2.

545,043. Knife Holders or Racks Made of Plastic Material for Holding One or More Knives When Not in Use. Robeson Cutlery Company, Inc., Perry, N. Y.
Filed Oct. 13, 1947, Serial No. 537,732. Published Apr. 10, 1951. Class 2.

545,044. Cakes, Pies, Bread, Rolls, Tarts, Biscuits, and Candies. Sallie C. Jones, doing business as Sarah Lee Kitchen, Richmond, Va.
Filed July 3, 1947, Serial No. 539,594. Published Apr. 10, 1951. Class 46.

545,045. Coffee and Tea. Commercial Importing Co., Seattle, Wash.
Filed Nov. 8, 1947, Serial No. 540,524. Published Apr. 17, 1951. Class 46.

545,046. Philatelic Accessories—Namely, Color Filters for Stamps and Cancelation Identification, and Stamp Perforation Gauges. The Acra Company, Baltimore, Md.
Filed Dec. 4, 1947, Serial No. 543,255. Published Apr. 10, 1951. Class 26.

545,047. Canned and Frozen Fruits and Vegetables. North Pacific Canners & Packers, Inc., Portland, Oreg.
Filed Dec. 18, 1947, Serial No. 544,755. Published Apr. 24, 1951. Class 46.

545,048. Metal Trash Cans for Utilitarian and Sanitary Purposes and Also for Hampers. United Metal Box Co., Inc., Brooklyn, N. Y.
Filed Dec. 19, 1947, Serial No. 544,938. Published Apr. 17, 1951. Class 2.

545,049. Vapor or Gas Generating Pressure Lamps of the Portable, Pendent, Ceiling, and Wall Types; Vapor, Gas, and Oil Lanterns, Etc. The Coleman Company, Inc., Wichita, Kans.
Filed Jan. 2, 1948, Serial No. 545,957. Published Apr. 24, 1951. Class 34.

545,050. Bread, Cakes, and Pies. Walter Freund Bread Company, St. Louis, Mo.
Filed Jan. 19, 1948, Serial No. 547,439. Published Apr. 10, 1951. Class 46.

545,051. Paper Bags. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Jan. 21, 1948, Serial No. 547,633. Published Apr. 17, 1951. Class 2.

545,052. Shower Stalls, Chemical Toilets, Closet Seats, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Feb. 24, 1948, Serial No. 550,444. Published Apr. 17, 1951. Class 13.

545,053. Glass Jugs; Vases; Jars; Sandwich Trays; Cake Stands; Etc. Dunbar Glass Corporation, Dunbar, W. Va.
Filed Feb. 26, 1948, Serial No. 550,590. Published Apr. 24, 1951. Class 33.

545,054. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo. and elsewhere, doing business as The Pocatello Flour Mills, Pocatello, Idaho.
Filed Mar. 9, 1948, Serial No. 551,541. Published Apr. 17, 1951. Class 46.

545,055. Airplanes and Automotive Truck Bodies. The Waco Aircraft Company, Troy, Ohio.
Filed Mar. 17, 1948, Serial No. 552,191. Published Apr. 17, 1951. Class 19.

545,056. Glass Vessels Usable for Culinary Purposes and/or Chemicals, Etc. Corning Glass Works, Corning, N. Y.
Filed Mar. 19, 1948, Serial No. 552,435. Published Mar. 27, 1951. Class 33.

545,057. Food Product—Namely, a Seasoning Solution of Hydrolyzed Vegetable Proteins, With Salt and Spices, Used To Accentuate Natural Meat Flavor. Kuster Laboratories, Inc., San Francisco, Calif.
Filed Mar. 30, 1948, Serial No. 553,378. Published Apr. 17, 1951. Class 46.

545,058. Insulators—Namely, Ceramic Electrical Insulators for Use in Products of Other Manufacturers. American Lava Corporation, Chattanooga, Tenn.
Filed Apr. 2, 1948, Serial No. 553,662. Published Oct. 25, 1949. Class 21.

545,059. Goods as Follows—Motor Cycles. Douglas (Kingswood) Limited, Kingswood, Bristol, England.
Filed May 18, 1948, Serial No. 557,266. Published Apr. 10, 1951. Class 19.

545,060. Electro-Magnetic Cores for Use in Transformers and Inductances. North American Philips Company, Inc., Dobbs Ferry, N. Y.
Filed May 19, 1948, Serial No. 557,381. Published Apr. 24, 1951. Class 21.

545,061. Portable Ammeters, Milli-Ammeters, Voltmeters, Milli-Voltmeters, Wattmeters, Power Factor Meters, and Frequency Meters. Realty and Industrial Corporation, Convent, N. J.
Filed May 22, 1948, Serial No. 557,629. Published Apr. 10, 1951. Class 26.

545,062. Motor Driven Trucks. The Yale & Towne Manufacturing Company, New York, N. Y.
Filed May 22, 1948, Serial No. 557,643. Published Apr. 10, 1951. Class 19.

545,063. Blankets Made of Camel's Hair. S. Stroock & Co. Inc., New York, N. Y.
Filed June 10, 1948, Serial No. 558,963. Published Apr. 17, 1951. Class 42.

545,064. Sandwiches. Maid-Rite Products, Inc., Muscatine, Iowa.
Filed Apr. 26, 1948, Serial No. 559,442. Published Apr. 10, 1951. Class 46.

545,065. Fresh Vegetables. Smith Vegetable Company, Phoenix, Ariz.
Filed June 19, 1948, Serial No. 559,740. Published Apr. 24, 1951. Class 46.

545,066. Electrical Apparatus—Namely, Electric Resistors, Etc. Omnipol, Limited Company, also named Omnipol Akciova Spolecnost, Prague, Czechoslovakia.
Filed June 12, 1948, Serial No. 559,808. Published Apr. 24, 1951. Class 21.

545,067. Electric Lamps, Battery Poles, Carbon Brushes, Etc. Societe Le Carbone Lorraine, Paris, France.
Filed June 24, 1948, Serial No. 560,137. Published Aug. 22, 1950. Class 21.

545,068. Balances, Balance Weight Set Cases, Etc. Scientific Glass Apparatus Co., Inc., Bloomfield, N. J.
Filed June 26, 1948, Serial No. 560,295. Published Apr. 10, 1951. Class 26.

545,069. Pedal Pads Made of Live Rubber and Live Rubber and Steel for Attachment to the Accelerator and Clutch and Brake Pedals of Automobiles. Atlas Supply Company, Newark, N. J.
Filed June 29, 1948, Serial No. 560,374. Published Apr. 10, 1951. Class 19.

545,070. Seasoned Popcorn. Confections, Inc., Chicago, Ill.
Filed July 22, 1948, Serial No. 561,885. Published Mar. 27, 1951. Class 46.

545,071. Canned Fruits and Vegetables. Eugene Fruit Growers Association, Eugene, Oreg.
Filed July 28, 1948, Serial No. 562,344. Published Mar. 27, 1951. Class 46.

545,072. Men's, Boys', Women's, and Children's Outer Garments—Namely, Suits, Coats, Etc. The Silvertex Company, Philadelphia, Pa.
Filed July 31, 1948, Serial No. 562,617. Published Feb. 28, 1950. Class 39.

545,073. Popped and Unpopped Popcorn. Red Wagon Products, Inc., Minneapolis, Minn.
Filed Aug. 5, 1948, Serial No. 562,883. Published Aug. 22, 1950. Class 46.

545,074. Fresh Potatoes. Pennant Farms, Arvin, Calif.
Filed Aug. 10, 1948, Serial No. 563,131. Published Apr. 3, 1951. Class 46.

545,075. Shampoo and Hair Conditioner for Restoring Lustre and Assisting in Curling and Preserving the Hair. Locks Laboratories, New York, N. Y.
Filed Aug. 12, 1948, Serial No. 563,265. Published Apr. 17, 1951. Class 52.

545,076. Packaged Herbs for Use as a Medicine. Raymond E. Coon, doing business as Chippewa Herb Medicine Co., Bay City, Mich.
Filed Aug. 14, 1948, Serial No. 563,396. Published May 1, 1951. Class 18.

545,077. Vehicle Bodies—Namely, Automotive Trucks, Trailers, Semi-Trailers, Dump Bodies, Express-Type Bodies, Stake Bodies, Pole Type Trailers, and Parts Thereof. The Truck Engineering Company, Fort Wayne, Ind.
Filed Aug. 14, 1948, Serial No. 563,441. Published Mar. 14, 1950. Class 19.

545,078. Infants' Shirts, Bands, and Panties, Made From Knitted Fabrics. Malone Knitting Company, Springfield Mass.
Filed Aug. 26, 1948, Serial No. 564,208. Published Apr. 17, 1951. Class 39.

545,079. Ophthalmic Frames and Mountings. American Optical Company, Southbridge, Mass.
Filed Aug. 28, 1948, Serial No. 564,364. Published Apr. 10, 1951. Class 26.

545,080. Starched Sheer Fabric in the Piece Made of Rayon. Simon, Healey & Goldstein, Inc., New York, N. Y.
Filed Sept. 1, 1948, Serial No. 564,529. Published Apr. 17, 1951. Class 42.

545,081. Medicated Bandages. D. C. McLintock, doing business as D. C. McLintock Co., Hackensack, N. J.
Filed Sept. 9, 1948, Serial No. 564,886. Published Apr. 17, 1951. Class 18.

545,082. Steam and Hot Water Boilers for Heating Purposes. Carl Z. Alexander, Madison, N. J.
Filed Sept. 11, 1948, Serial No. 564,982. Published May 1, 1951. Class 34.

545,083. Finely Divided Dry Solid Colors, Having a Variety of Uses as Pigments in the Industrial Arts. C. K. Williams & Co., East St. Louis, Ill.
Filed Sept. 25, 1948, Serial No. 565,895. Published Apr. 17, 1951. Class 6.

545,084. Canned Apple Juice. Safeway Stores, Incorporated, Baltimore, Md. and Oakland, Calif.
Filed Oct. 26, 1948, Serial No. 567,657. Published Apr. 3, 1951. Class 46.

545,085. Resistors and Resistance Coatings on Ceramic Insulators for Controlling Electrical Stress, Etc. Steatite & Porcelain Products Limited, Slough, England.
Filed Oct. 26, 1948, Serial No. 567,662. Published May 30, 1950. Class 21.

545,086. Livestock Feed Consisting Principally of Protein, Fat, Fiber, and Nitrogen Free Extract. The Ubiko Milling Company, St. Bernard, Ohio.
Filed Oct. 28, 1948, Serial No. 567,815. Published Mar. 20, 1951. Class 46.

545,087. Fruit Flavors of Various Kinds Used for Ice Cream and Sherbert Bases. Mission Dry Corporation, Los Angeles, Calif.
Filed Nov. 1, 1948, Serial No. 567,994. Published Mar. 27, 1951. Class 46.

545,088. Textile Fabrics in the Piece Made Wholly or in Substantial Part of Linen, Etc. S. Handal & Sons, Inc., New York, N. Y.
Filed Nov. 10, 1948, Serial No. 568,503. Published Apr. 17, 1951. Class 42.

545,089. Parking Meters, and Timers Which Contain Both a Time Measuring and Switching Mechanism Used for the Control of the Operation of the Apparatus to Which it is Attached. M. H. Rhodes Incorporated, Hartford, Conn.
Filed Nov. 12, 1948, Serial No. 568,663. Published Apr. 10, 1951. Class 26.

545,090. Mattresses, Pillows, Seat Cushions, Seat Back Cushions, Arm Rest Cushions, and Upholstery Padding and Cushioning Components, all Made of Latex Rubber Foam. Hewitt-Robins Incorporated, Buffalo, N. Y.
Filed Nov. 13, 1948, Serial No. 568,734. Published Apr. 10, 1951. Class 32.

545,091. Perfumes, Toilet Waters, Rouges, Brilliantine, Skin Lotions, and Lipsticks. Lancome, S. A., Paris, France.
Filed Nov. 13, 1948, Serial No. 568,737. Published Apr. 3, 1951. Class 51.

545,092. Incinerators. Mars Incinerator, Inc., Burbank, Calif.
Filed Oct. 18, 1948, Serial No. 568,900. Published May 1, 1951. Class 34.

545,093. Railway Dump Cars. Lake Shore Engineering Company, Iron Mountain, Mich.
Filed Nov. 27, 1948, Serial No. 569,525. Published May 1, 1951. Class 19.

545,094. Table Cloths, Napkins, Towels, All Being Linen Goods; and Linen Piece Goods. Murphy & Stevenson Ltd., Belfast, Northern Ireland.
Filed Dec. 4, 1948, Serial No. 569,982. Published Apr. 17, 1951. Class 42.

545,095. Navigational and Gyroscopic Flight Instruments for Use in Manually Flying Aircraft. The Sperry Corporation, Great Neck, N. Y.
Filed Dec. 10, 1948, Serial No. 570,330. Published Apr. 10, 1951. Class 26.

545,096. Plumbing Connected Dairy and Hog Drinking Bowls, Float Valves, Water and Milk Strainers, Wire Fencing, Barbed Wire, Steel Fence Posts, Metal Fence Gates, Nails, Stanchions for Confining Stock Animals in Stalls, and Bull Rings. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 16, 1948, Serial No. 570,641. Published Apr. 24, 1951. Class 13.

545,097. Thermostatically Controlled Temperature Indicating Devices for Food Freezers. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 16, 1948, Serial No. 570,651. Published Apr. 10, 1951. Class 26.

545,098. Hose Coupling. Earl Longfellow, doing business as Flexible Connector Co. of America, New York, N. Y.
Filed Dec. 17, 1948, Serial No. 570,711. Published Apr. 10, 1951. Class 13.

545,099. Sheets, Pillow Cases, and Sheetings. Pepperell Manufacturing Company, Boston, Mass.
Filed Dec. 23, 1948, Serial No. 571,042. Published Apr. 17, 1951. Class 42.

545,100. Natural Oil of Peppermint Sold for General Use. A. M. Todd Company, Kalamazoo, Mich.
Filed Dec. 30, 1948, Serial No. 571,367. Published Apr. 17, 1951. Class 6.

545,101. Wheat Flour. Leon G. Kingsley, doing business under the trade name Kingsley Flour Company, New York, N. Y.
Filed Jan. 7, 1949, Serial No. 571,808. Published Mar. 20, 1951. Class 46.

545,102. Gray and White Iron Castings, Specifically Castings for Parts of Printing Machines, Etc. The Hamilton Foundry and Machine Company, Hamilton, Ohio.
Filed Jan. 8, 1949, Serial No. 571,860. Published Apr. 3, 1951. Class 14.

545,103. Wheat Flour. Preston-Shaffer Milling Co., doing business as Western Milling Company, Walla Walla, Wash.
Filed Jan. 11, 1949, Serial No. 571,995. Published Apr. 17, 1951. Class 46.

545,104. Fresh Cranberries. New England Cranberry Sales Company, Middleboro, Mass.
Filed Jan. 15, 1949, Serial No. 572,261. Published Feb. 21, 1950. Class 46.

545,105. Composition for Preventing the Icing of Windows, Including Automobile Windshields. Petroleum Solvents Corporation, New York, N. Y.
Filed Jan. 18, 1949, Serial No. 572,375. Published May 1, 1951. Class 6.

545,106. Fresh Grapes. Arizona Dawn Gardens, Phoenix, Ariz.
Filed Jan. 25, 1949, Serial No. 572,710. Published Apr. 17, 1951. Class 46.

545,107. Wood Screws and Sheet Metal Screws. The Blake & Johnson Company, Waterbury and Waterville, Conn.
Filed Feb. 10, 1949, Serial No. 573,612. Published Apr. 10, 1951. Class 13.

545,108. Medicinal Dust Inhaler Adapted for Insertion in the Nose or Throat and Containing a Medicinal Dust. Bristol Laboratories Inc., Syracuse, N. Y.
Filed Feb. 10, 1949, Serial No. 573,613. Published Apr. 10, 1951. Class 18.

545,109. Cosmetic Preparations—Namely, Face Creams, Makeup Base, Face Powder, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Feb. 10, 1949, Serial No. 573,684. Published Apr. 17, 1951. Class 51.

545,110. Green Coffee. J. Aron & Company, Inc., New Orleans, La.
Filed Feb. 14, 1949, Serial No. 573,820. Published Mar. 27, 1951. Class 46.

545,111. Synthetic Narcotic for the Relief of Pain. Tablerock Laboratories, Inc., Greenville, S. C.
Filed Feb. 16, 1949, Serial No. 573,993. Published Apr. 10, 1951. Class 18.

545,112. Collapsible Paperboard Bottle Cartons Adapted To Be Used for Holding and Carrying Bottles. United Board & Carton Corporation, New York, N. Y.
Filed Feb. 18, 1949, Serial No. 574,120. Published Apr. 10, 1951. Class 2.

545,113. Upholstery Fabrics Made of Cotton, Wool, Mohair, and Synthetic Fibres. The Rubenstein Company, Chicago, Ill.
Filed Feb. 21, 1949, Serial No. 574,246. Published Apr. 17, 1951. Class 42.

545,114. Slacks for the Use of Men and Boys. Champion Pants Mfg. Co., Inc., New York, N. Y.
Filed Mar. 10, 1949, Serial No. 575,192. Published Apr. 3, 1951. Class 39.

545,115. Sheets and Pillowcases. Lauerman Brothers Company, Marinette, Wis.
Filed Mar. 12, 1949, Serial No. 575,357. Published Apr. 17, 1951. Class 42.

545,116. Sterilizers Utilizing Ultra-Violet Radiation. Floyd I. Smith, doing business as Aquafine Co., Los Angeles, Calif.
Filed Mar. 18, 1949, Serial No. 575,676. Published Apr. 24, 1951. Class 21.

545,117. Lipstick, Powder, Powder Base, Rouge, Eye Shadow, Shading Cream, Mascara. J. Del Russo, Inc., New York, N. Y.
Filed Mar. 25, 1949, Serial No. 576,046. Published Apr. 3, 1951. Class 51.

545,118. Enameled Metal Containers—Namely, Baby Bath Tubs, Etc. The Bellaire Enamel Company, Bellaire, Ohio.
Filed Apr. 1, 1949, Serial No. 576,440. Published Oct. 3, 1950. Class 13.

545,119. Paper Bags With Plastic Film Windows. Bemis Bro. Bag Company, St. Louis, Mo.
Filed Apr. 2, 1949, Serial No. 576,508. Published Apr. 24, 1951. Class 2.

545,120. Men's, Women's, Children's, and Infants' Clothing—Namely, Suits, Slacks, Skirts, Etc. The May Department Stores Company, New York, N. Y., and St. Louis, Mo.
Filed Apr. 2, 1949, Serial No. 576,545. Published Apr. 11, 1950. Class 39.

545,121. Piece Goods Made in Ireland, Consisting of Linen and Hemp and in Which Linen Predominates. Spence Bryson & Company Limited, Belfast, Northern Ireland.
Filed Apr. 13, 1949, Serial No. 577,078. Published Apr. 24, 1951. Class 42.

545,122. Trailer Coaches. Ideal Industries, El Monte, Calif.
Filed Apr. 25, 1949, Serial No. 577,671. Published Apr. 10, 1951. Class 19.

545,123. Furniture, Including Chests, Dressers, Chests of Drawers, Beds, and Vanities. David M. Lea & Company, Incorporated, Richmond, Va.
Filed Apr. 28, 1949, Serial No. 577,892. Published Apr. 10, 1951. Class 32.

545,124. Soda Crackers. Griggs, Cooper & Company, doing business as Standard Food Mfg. Co., St. Paul, Minn.
Filed May 11, 1949, Serial No. 578,592. Published Mar. 27, 1951. Class 46.

545,125. Television Receiving Sets. Hoffman Radio Corporation, Los Angeles, Calif.
Filed May 12, 1949, Serial No. 578,692. Published Apr. 24, 1951. Class 21.

545,126. Paper Drinking Cups. John Sexton & Co., Chicago, Ill.
Filed May 12, 1949, Serial No. 578,707. Published Apr. 17, 1951. Class 2.

545,127. Electrical Control Apparatus, Electrical Machines, and Electrical Supplies, Consisting of: Controllers for Dynamo-Electric Machines, Etc. Cutler-Hammer, Inc., Milwaukee, Wis.
Filed May 13, 1949, Serial No. 578,777. Published Apr. 24, 1951. Class 21.

545,128. Demonstration Tables Which Are Equipped With an Overhead Mirror To Reflect a View of Table During Demonstrations. John L. Maybaum, doing business as The Fred W. Butler Company, Philadelphia, Pa.
Filed May 17, 1949, Serial No. 578,987. Published Apr. 24, 1951. Class 32.

545,129. Thermostats, Thermostatic Temperature Controls Adapted To Be Employed for Controlling the Supply of Heat to Cooking, Heating, and Water Heating Equipment, Thermostatic Valves, Thermostatic Switches, and Expansible Fluid Thermal Units for Use in Thermostatic Temperature Controlling Devices. Robertshaw-Fulton Controls Company, Greensburg, Pa.
Filed May 18, 1949, Serial No. 579,153. Published Apr. 10, 1951. Class 26.

545,130. Fresh Citrus Fruit. Valley Citrus Packing Co., Phoenix, Ariz.
Filed May 20, 1949, Serial No. 579,237. Published Apr. 17, 1951. Class 46.

545,131. Cholinergic-Blocking Substance of Use in Producing Relaxation of Stomach and Intestinal Muscle Spasms. Merck & Co., Inc., Rahway, N. J.
Filed May 27, 1949, Serial No. 579,609. Published Apr. 10, 1951. Class 18.

545,132. Baggage—Namely, Handbags and Suitcases. Trav-L-Craft, Philadelphia, Pa.
Filed May 27, 1949, Serial No. 579,638. Published Apr. 10, 1951. Class 3.

545,133. Pressed Luncheon Sausage, Salami, Minced Luncheon Sausage, Bologna, Canned Beef With Gravy, Canned Corned Beef Hash, Canned Beef Tripe With Gravy, and Canned Skinless Frankfurts. Colonial Provision Co., Inc., Boston, Mass.
Filed May 28, 1949, Serial No. 579,668. Published Apr. 17, 1951. Class 46.

545,134. Skinless Frankfurts, Smoked Pork Shoulder Butts, Smoked Pork Shoulder Picnics and Smoked Ham Ready To Eat. Colonial Provision Co., Inc., Boston, Mass.
Filed May 28, 1949, Serial No. 579,669. Published Apr. 17, 1951. Class 46.

545,135. Chemical Weed Killer. The Albert Dickinson Company, Chicago, Ill.
Filed May 31, 1949, Serial No. 579,742. Published May 1, 1951. Class 6.

545,136. Plastic Receptacles—Namely, Plastic Table Ware, Cups, Saucers, Bowls, Dishes, Plates, Platters, Trays. Plastic Molders, Inc., Chicago, Ill.
Filed June 1, 1949, Serial No. 579,831. Published Apr. 17, 1951. Class 2.

545,137. Catalyst Compositions, for Example, Silica-Alumina, Etc. National Aluminate Corporation, Chicago, Ill.
Filed June 8, 1949, Serial No. 580,141. Published Apr. 17, 1951. Class 6.

545,138. Treated Canvas and Duck Fabrics. Denemark & Morris, Inc., New York, N. Y.
Filed June 17, 1949, Serial No. 580,650. Published Apr. 17, 1951. Class 42.

545,139. Collapsible Metal Poultry Crates. National Automatic Tool Company, Inc., Richmond, Ind.
Filed June 21, 1949, Serial No. 580,851. Published Apr. 17, 1951. Class 2.

545,140. Wool and Fiber Rugs and Carpeting. Sears, Roebuck and Co., Chicago, Ill.
Filed June 25, 1949, Serial No. 581,083. Published Apr. 17, 1951. Class 42.

545,141. Finely Divided Silica in Pigmentary Hydrated Form for Use as a Reinforcing Agent in the Manufacture of Plastics, Rubber Goods, and Insecticides. Pittsburgh Plate Glass Company, Pittsburgh, Pa.
Filed June 28, 1949, Serial No. 581,208. Published Apr. 10, 1951. Class 6.

545,142. Insecticide. The Sherwin-Williams Company, Cleveland, Ohio.
Filed June 30, 1949, Serial No. 581,381. Published Apr. 10, 1951. Class 6.

545,143. Remedy for the Treatment of Piles. Charles J. McNeil, Beaumont, Tex.
Filed July 8, 1949, Serial No. 581,674. Published Apr. 17, 1951. Class 18.

545,144. Tables and Chairs Having Metal Tubing Frames. Lewisburg Chair Company, Inc., Bridgeport, Conn.
Filed July 13, 1949, Serial No. 581,879. Published Apr. 17, 1951. Class 32.

545,145. Egg Noodles. Quality Macaroni Company, doing business as Romano Macaroni Co., St. Paul, Minn.
Filed July 14, 1949, Serial No. 581,983. Published Apr. 10, 1951. Class 46.

545,146. Rowboats and Motor Scooters. Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed July 15, 1949, Serial No. 582,038. Published Apr. 10, 1951. Class 19.

545,147. Display Racks. L. A. Young Spring & Wire Corporation, San Leandro, Calif.
Filed July 22, 1949, Serial No. 582,370. Published Apr. 10, 1951. Class 32.

545,148. Men's and Boys' Apparel Belts, Men's and Boys' Suspenders, Etc. Seymour Mercantile Co., New York, N. Y.
Filed July 23, 1949, Serial No. 582,449. Published Apr. 17, 1951. Class 39.

545,149. Air Induction and Diffusion Nozzles; Air Ducts; and Duct Dampers, as Units in Heating and Ventilating Systems. Ben Cones, doing business under the name and style of Jet Air Cones System, Indianapolis, Ind.
Filed July 28, 1949, Serial No. 582,601. Published Apr. 24, 1951. Class 34.

545,150. Canned Tuna. Hawaiian Tuna Packers, Limited, Honolulu, Territory of Hawaii.
Filed Aug. 9, 1949, Serial No. 583,204. Published Apr. 17, 1951. Class 46.

545,151. Display Racks and Stands. The Billings & Spencer Co., Hartford, Conn.
Filed Aug. 10, 1949, Serial No. 583,237. Published Apr. 24, 1951. Class 32.

545,152. Solution for Treating Nylon Stockings. Capskar, Inc., New York, N. Y.
Filed Aug. 11, 1949, Serial No. 583,329. Published Apr. 24, 1951. Class 6.

545,153. Fresh Vegetables. Jerome Kantro, doing business as Jerome Kantro Company, Salinas, Calif.
Filed Aug. 12, 1949, Serial No. 583,399. Published Apr. 24, 1951. Class 46.

545,154. Bicycles. D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y.
Filed Aug. 18, 1949, Serial No. 583,650. Published Jan. 3, 1950. Class 19.

545,155. Insecticides. Julius Hyman & Company, Denver, Colo.
Filed Aug. 19, 1949, Serial No. 583,694. Published May 1, 1951. Class 6.

545,156. Fresh Lettuce. Ice-Kist Packing Company, Salinas, Calif.
Filed Aug. 30, 1949, Serial No. 584,236. Published Apr. 24, 1951. Class 46.

545,157. Ladies' Handbags. Pichel Inc., New York, N. Y.
Filed Aug. 31, 1949, Serial No. 584,290. Published Apr. 10, 1951. Class 3.

545,158. Ladies' Handbags. Pichel Inc., New York, N. Y.
Filed Aug. 31, 1949, Serial No. 584,291. Published Apr. 10, 1951. Class 3.

545,159. Canned Hot Vegetables, Containing Hot Peppers and Other Vegetables. Anthony Makitawecus, Brooklyn, N. Y.
Filed Sept. 2, 1949, Serial No. 584,411. Published Apr. 10, 1951. Class 46.

545,160. Alcohol Containing Preparation of the Nature of a Cologne, Used for Massage. Samuel Mitchell, doing business as The Floridol Co., East Cleveland, Ohio.
Filed Sept. 7, 1949, Serial No. 584,540. Published Apr. 10, 1951. Class 51.

545,161. Cast Metallic Brake Parts and Wheels for Automobiles, Trucks, Trailers, and Aircraft. The Permold Company, Medina, Ohio.
Filed Sept. 9, 1949, Serial No. 584,637. Published Apr. 24, 1951. Class 19.

545,162. Liquid Leather Dressing for Waterproofing and Rejuvenating Leather Shoes. The Cramer Chemical Company, Gardner, Kans.
Filed Sept. 17, 1949, Serial No. 584,973. Published May 1, 1951. Class 6.

545,163. Floats for Valves in Water Closet Installations. Paul L. Adams, doing business as Toughbuoy Co., Dubuque, Iowa.
Filed Sept. 20, 1949, Serial No. 585,046. Published Apr. 24, 1951. Class 13.

545,164. Synthetic Resinous Compositions for Further Use in the Industrial Arts. The Glenn L. Martin Company, Baltimore and Middle River, Md., assignor to The United States Rubber Company, New York, N. Y., a corporation of New Jersey.
Filed Sept. 20, 1949, Serial No. 585,073. Published Apr. 24, 1951. Class 6.

545,165. Skin Lotion. Marie Ogren, San Mateo, Calif.
Filed Oct. 5, 1949, Serial No. 585,807. Published Mar. 27, 1951. Class 51.

545,166. Glucuronolactone Composition for Treating Arthritis. Commercial Solvents Corporation, New York, N. Y.
Filed Oct. 12, 1949, Serial No. 586,142. Published Apr. 17, 1951. Class 18.

545,167. Injectable, Medicinal Preparation for the Treatment of Certain Anemias, Particularly Pernicious Anemia, Macrocytic Nutritional Anemia, and Sprue. Buffington's, Incorporated, Worcester, Mass.
Filed Oct. 29, 1949, Serial No. 586,449. Published Apr 17, 1951. Class 18.

545,168. Wool Protein for Use in Ice Cream as an Emulsifier, Etc. Botany Mills, Inc., Passaic, N. J.
Filed Oct. 20, 1949, Serial No. 586,585. Published Apr. 10, 1951. Class 46.

545,169. Automatic Heating Boilers, Calorifiers, Fans, Radiators, Draught Stabilizers and Draught Regulators, Mechanical Stokers, Fire Bar Draught Cleaning Mechanisms. Trianco Limited, Surrey, England.
Filed Sept. 23, 1949, Serial No. 586,902. Published Apr. 17, 1951. Class 34.

545,170. Edible Coconut Oil Used as a Shortening and Seasoning for Popcorn, Corn Curls and Cheese Popcorn. C. F. Simonin's Sons, Inc., Philadelphia, Pa.
Filed Oct. 28, 1949, Serial No. 586,992. Published Apr. 17, 1951. Class 46.

545,171. Preparation and Treatment in Liquid, Jelly, and Powder Form for the Relief of Arthritis, Paralysis, and Minor Infections and Irritations of the Eyes, Ears, Nose, and Skin. Swan's Enterprises, Inc., Andrews, N. C.
Filed Oct. 29, 1949, Serial No. 587,056. Published Apr. 17, 1951. Class 18.

545,172. Portable Electric Space Heaters and Parts Thereof. National Die Casting Company, Chicago, Ill.
Filed Nov. 1, 1949, Serial No. 587,117. Published Apr. 24, 1951. Class 21.

545,173. Preparation for the Relief of Athlete's Foot, Ringworm, Toe Itch, Jockey Itch, Itching of Eczema, and Other Fungus Skin Irritations. Hoke S. Brown, doing business under the name The Mysan Co., Macon, Ga.
Filed Nov. 4, 1949, Serial No. 587,313. Published Apr. 17, 1951. Class 18.

545,174. Preparation for Coughs Due to Bronchial and Chest Colds. Hoke S. Brown, doing business under the name The Mysan Co., Macon, Ga.
Filed Nov. 4, 1949, Serial No. 587,314. Published Apr. 17, 1951. Class 18.

545,175. Edible Peanut Oil. Suffolk Oil Mill, Incorporated, Suffolk, Va.
Filed Nov. 18, 1949, Serial No. 588,052. Published Apr. 3, 1951. Class 46.

545,176. Adhesive Tape Remover. Carand Corporation, Racine, Wis.
Filed Nov. 23, 1949, Serial No. 588,201. Published Apr. 24, 1951. Class 6.

545,177. Canned Pork Luncheon Meat. Ready Foods Canning Corp., Chicago, Ill.
Filed Nov. 23, 1949, Serial No. 588,230. Published Apr. 17, 1951. Class 46.

545,178. Preparation for the Treatment of Headaches, Neuralgias, Coughs, Etc. Rafael Puerto Galiano, Madrid, Spain.
Filed Nov. 22, 1949, Serial No. 588,260. Published Apr. 10, 1951. Class 18.

545,179. Women's Slacks, Skirts, Blouses, Slips, Brassières, and Panties. Spiegel, Inc., Chicago, Ill.
Filed Nov. 26, 1949, Serial No. 588,401. Published Apr. 3, 1951. Class 39.

545,180. Electrical Decorative Portable Table Lamps and Shades Therefor. Earle F. Chapman, doing business as Chapman Manufacturing Company, South Braintree, Mass.
Filed Dec. 2, 1949, Serial No. 588,677. Published Apr. 17, 1951. Class 21.

545,181. Portable Metal Bins To Be Used as Holders for Dough in Bakeries. The Petersen Oven Company, Franklin Park, Ill.
Filed Dec. 3, 1949, Serial No. 588,766. Published Apr. 17, 1951. Class 2.

545,182. Monoesters of Polyhydric Alcohols. Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.
Filed Dec. 14, 1949, Serial No. 588,918. Published Apr. 24, 1951. Class 6.

545,183. Textile Bags, Paper Bags, Plastic Bags. Western Burlap Bag Company, Chicago, Ill.
Filed Nov. 18, 1949, Serial No. 588,997. Published Apr. 17, 1951. Class 2.

545,184. Shoe Holder for Holding Shoes While Cleaning or Shining the Same. Roger H. David, Inc., St. Paul, Minn.
Filed Dec. 12, 1949, Serial No. 589,198. Published Apr. 17, 1951. Class 13.

545,185. Stove Pipe Wire, Welded Wire Fabric, Hardware Cloth, Galvanized Wire Mesh, Barbed Wire, Poultry Netting, Poultry Fence, Field Fence, Bale Ties, Woven Wire Fence and Nails. Northwestern Steel and Wire Company, Sterling, Ill.
Filed Dec. 14, 1949, Serial No. 589,331. Published Apr. 17, 1951. Class 13.

545,186. Natural Nutritional Concentrate in the Nature of a Dietary Supplement. Mariano Pollina, doing business under the name and style of Ygrene Company, New York, N. Y.
Filed Dec. 10, 1949, Serial No. 589,410. Published Apr. 3, 1951. Class 18.

545,187. Honey Syrups. Henry W. Dittmer, doing business as Yellowstone Honey Syrup Company, Cody, Wyo.
Filed Dec. 16, 1949, Serial No. 589,434. Published Apr. 24, 1951. Class 46.

545,188. Aluminum Acetate. United States Vanadium Corporation, New York, N. Y., now by merger Union Carbide and Carbon Corporation, a corporation of New York.
Filed Dec. 19, 1949, Serial No. 589,610. Published May 1, 1951. Class 6.

545,189. Children's and Girls' Dresses, Rompers, Pinafores, Play Suits, and Separate Slacks. Rosenau Brothers, Inc., Philadelphia, Pa.
Filed Dec. 24, 1949, Serial No. 589,919. Published Apr. 3, 1951. Class 39.

545,190. Children's and Girls' Frocks. Rosenau Brothers, Inc., Philadelphia, Pa.
Filed Dec. 24, 1949, Serial No. 589,920. Published Apr. 3, 1951. Class 39.

545,191. Removable Passenger Carrying Unit for Open Truck Bodies. Dixie Tallyho, Inc., Fairburn, Ga.
Filed Dec. 28, 1949, Serial No. 590,013. Published Apr. 24, 1951. Class 19.

545,192. Television Receiving Sets, Television Transmitting Sets, Etc. Industria e Comercio Assumpcao S/A, Sao Paulo, Brazil.
Filed Jan. 5, 1950, Serial No. 590,369. Published Apr. 17, 1951. Class 21.

545,193. Men's and Women's Watches. Belmont International, Inc., New York, N. Y.
Filed Jan. 6, 1950, Serial No. 590,417. Published Apr. 24, 1951. Class 27.

545,194. Train Cases, Cosmetic Cases, Round Hat Cases, Overnight Cases, Ladies' Weekend Cases, Ladies' Wardrobe Cases, Ladies' Pullman Cases, Wardrobe Pullman Cases, and Ladies' Hat and Shoe Cases. American Luggage Works Inc., Providence, R. I.
Filed Jan. 10, 1950, Serial No. 590,574. Published Apr. 10, 1951. Class 3.

545,195. Respiratory Decongestant for Intramuscular Administration. The S. E. Massengill Company, Bristol, Tenn.
Filed Jan. 11, 1950, Serial No. 590,669. Published Apr. 10, 1951. Class 18.

545,196. Veterinary Pharmaceutical Preparation Having Parisiticidal Action. The S. E. Massengill Company, Bristol, Tenn.
Filed Jan. 11, 1950, Serial No. 590,681. Published Apr. 17, 1951. Class 18.

545,197. Veterinary Preparation Suggested for the Internal Treatment of Fistula of the Withers, Poll Evil, and Other Chronic Suppurative Disorders. The S. E. Massengill Company, Bristol, Tenn.
Filed Jan. 11, 1950, Serial No. 590,689. Published Apr. 10, 1951. Class 18.

545,198. Veterinary Preparation Containing Sulfonamides and Urea Which Is Suggested for Intra-Uterine Use in Retained Placenta, Metritis and Post Partum Pyometra. The S. E. Massengill Company, Bristol, Tenn.
Filed Jan. 11, 1950, Serial No. 590,693. Published Apr. 10, 1951. Class 18.

545,199. Veterinary Preparation, Having Bacteriostatic Value, Which Is Indicated for Treatment for all Types of Wounds, Especially When Infection Is Present. The S. E. Massengill Company, Bristol, Tenn.
Filed Jan. 11, 1950, Serial No. 590,694. Published Apr. 10, 1951. Class 18.

545,200. Welding Electrode Holders for Holding Metallic Electrodes, Etc. Tweco Products Company, Wichita, Kans.
Filed Jan. 11, 1950, Serial No. 590,722. Published Apr. 17, 1951. Class 21.

545,201. Welding Electrode Holders and Parts Therefor. Tweco Products Company, Wichita, Kans.
Filed Jan. 11, 1950, Serial No. 590,723. Published Apr. 17, 1951. Class 21.

545,202. Electrically Operated Dictating Machines for Office and General Purpose Use. Permoflux Corporation, Chicago, Ill.
Filed Jan. 12, 1950, Serial No. 590,758. Published Apr. 24, 1951. Class 21.

545,203. Watches and Watch Movements. Henri Bangerter, Reconvilier, Switzerland.
Filed Jan. 14, 1950, Serial No. 590,877. Published Apr. 24, 1951. Class 27.

545,204. Metal Pipe Couplings and Unions Including an Elastic Pipe Engaging Element, by Which the Coupling Members Are Flexibly Connected and Not Tightly Held. National Tank Company, Tulsa, Okla.
Filed Jan. 18, 1950, Serial No. 591,045. Published Apr. 10, 1951. Class 13.

545,205. Fresh Potatoes and Fresh Berries. Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co., Seattle, Wash.
Filed Jan. 21, 1950, Serial No. 591,248. Published Apr. 10, 1951. Class 46.

545,206. Oral Preparation for the Treatment of Liver Conditions Such as Cirrhosis, Hepatitis, and Fatty Infiltration. Parke, Davis & Company, Detroit, Mich.
Filed Jan. 21, 1950, Serial No. 591,249. Published Apr. 17, 1951. Class 18.

545,207. Water Heaters Excluding Baby Bottle Heaters. Nathan Merfish, Houston, Tex.
Filed Jan. 23, 1950, Serial No. 591,308. Published Oct. 24, 1950. Class 34.

545,208. Water Soluble Composition for Addition to Laundering Rinse Waters to Color-Condition White and Colored Fabrics. Service Industries, Philadelphia, Pa.
Filed Jan. 23, 1950, Serial No. 591,320. Published May 1, 1951. Class 6.

545,209. Candy. M. J. Holloway & Company, Chicago, Ill.
Filed Jan. 28, 1950, Serial No. 591,619. Published Apr. 24, 1951. Class 46.

545,210. Estrogenic Preparations. E. R. Squibb & Sons, New York, N. Y.
Filed Jan. 31, 1950, Serial No. 591,752. Published Apr. 17, 1951. Class 18.

545,211. Tonic or Dressing for the Hair. Witt A. Sheppard, Scappoose, Oreg.
Filed Feb. 3, 1950, Serial No. 591,960. Published Apr. 17, 1951. Class 51.

545,212. Vitamin Food Supplement and a Mineral Food Supplement, Etc. Nutrilite Products, Inc., Los Angeles and Buena Park, Calif.
Filed Feb. 6, 1950, Serial No. 592,048. Published Apr. 3, 1951. Class 18.

545,213. Couch Beds. Eclipse Sleep Products Inc., Brooklyn, N. Y.
Filed Feb. 16, 1950, Serial No. 592,558. Published Apr. 17, 1951. Class 32.

545,214. Children's Apparel Made of Woven and Knitted Fabrics, Etc. The Carltona Co., Inc., New York, N. Y.
Filed Feb. 23, 1950, Serial No. 592,870. Published Apr. 3, 1951. Class 39.

545,215. Pharmaceutical Preparation for the Symptomatic Relief of Colds and Hay Fever. Curley Company, Incorporated, Philadelphia, Pa.
Filed Feb. 23, 1950, Serial No. 592,882. Published Apr. 17, 1951. Class 18.

545,216. Steam Boilers for Heating and Power Purposes. Farrar & Trefts, Incorporated, Buffalo, N. Y.
Filed Feb. 23, 1950, Serial No. 592,893. Published May 1, 1951. Class 34.

545,217. Steam Boilers for Heating and Power Purposes. Farrar & Trefts, Incorporated, Buffalo, N. Y.
Filed Feb. 23, 1950, Serial No. 592,894. Published May 1, 1951. Class 34.

545,218. Steam Boilers for Heating and Power Purposes. Farrar & Trefts, Incorporated, Buffalo, N. Y.
Filed Feb. 23, 1950, Serial No. 592,895. Published May 1, 1951. Class 34.

545,219. Fiber Board for Use for Electrical Insulation. West Virginia Pulp and Paper Company, New York, N. Y.
Filed Feb. 23, 1950, Serial No. 592,964. Published Apr. 17, 1951. Class 21.

545,220. Chemical Preparation for Deodorizing and Purifying the Air. Ozonol Laboratories (1930) Limited, London, England.
Filed Mar. 1, 1950, Serial No. 593,236. Published May 1, 1951. Class 6.

545,221. Wearing Apparel for Men, Women, and Children—Namely, Shirts, Shorts, Slacks, Skirts, Jackets, and Gym Suits. Allied Cloth Specialties, Inc., Greenville, Ohio.
Filed Mar. 7, 1950, Serial No. 593,520. Published Apr. 3, 1951. Class 39.

545,222. Biscuits. Gray, Dunn & Company Limited, Kinning Park, Glasgow, Scotland.
Filed Mar. 9, 1950, Serial No. 593,667. Published Apr. 10, 1951. Class 46.

545,223. Combined Shirt and Towel and Bath Robe and Towel. Alamac Knitting Mills, Inc., New York, N. Y.
Filed Mar. 16, 1950, Serial No. 594,009. Published Apr. 17, 1951. Class 39.

545,224. Steroid Substances in Dosage Form. Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y.
Filed Mar. 17, 1950, Serial No. 594,092. Published Apr. 3, 1951. Class 18.

545,225. Explosives Derived From Organic Substances Such as Nitrocellulose Compounds, Etc. Aktiebolaget Bofors, Bofors, Sweden.
Filed Mar. 22, 1950, Serial No. 594,350. Published Feb. 20, 1951. Class 9.

545,226. Gas and Oil Fired Space Heaters, Gas Automatic Water Heaters, and Commercial and Domestic Circulating Fans. Nathan H. Turkin, doing business under the name of Kenron Steel Products, Chicago, Ill.
Filed Mar. 23, 1950, Serial No. 594,503. Published Apr. 17, 1951. Class 34.

545,227. Handbags, Wallets, Playing Card Cases of Leather and Plastic Materials, Sold Empty, Pocket Secretaries, Beach Bags of Leather and Plastic Materials, and Cosmetic Kits, Sold Empty. Ernest L. Oppenheim, doing business under the name of Ernest L. Oppenheim Leather and Plastic Products Co., New York, N. Y.
Filed Mar 31, 1950, Serial No. 594,985. Published Apr. 10, 1951. Class 3.

545,228. Paraffine Wax for Use in Histological Technique. The Coleman and Bell Company, Norwood and Norwood, Cincinnati, Ohio.
Filed Apr. 5, 1950, Serial No. 595,246. Published Apr. 17, 1951. Class 6.

545,229. Medical Preparation—Namely, a Soothing and Emollient Benzocaine and Benzoic-Acid Ointment. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Apr. 7, 1950, Serial No. 595,398. Published Apr. 17, 1951. Class 18.

545,230. Cotton Piece Fabrics. M. Snower & Company, Chicago, Ill.
Filed Apr. 15, 1950, Serial No. 595,796. Published Apr. 17, 1951. Class 42.

545,231. Radio and/or Television Antennas. Telrex, Inc., Asbury Park, N. J.
Filed Apr. 17, 1950, Serial No. 595,862. Published Apr. 24, 1951. Class 21.

545,232. Mattresses and Box Springs. The Englander Company, Inc., Chicago, Ill.
Filed Apr. 18, 1950, Serial No. 595,885. Published Apr. 10, 1951. Class 32.

545,233. Agricultural Pesticides, Including Insecticides, Fungicides, and Herbicides. Wilson & Toomer Fertilizer Co., Jacksonville, Fla.
Filed Apr. 19, 1950, Serial No. 595,997. Published Apr. 24, 1951. Class 6.

545,234. Agricultural Pesticides, Including Insecticides, Fungicides, and Herbicides. Wilson & Toomer Fertilizer Co., Jacksonville, Fla.
Filed Apr. 19, 1950, Serial No. 595,998. Published Apr. 24, 1951. Class 6.

545,235. Medical Preparations—Namely, an Anesthetic and Mild Astringent Ointment. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Apr. 22, 1950, Serial No. 596,184. Published Apr. 17, 1951. Class 18.

545,236. Automobiles. Ford Motor Company, Dearborn, Mich.
Filed Apr. 26, 1950, Serial No. 596,335. Published Apr. 24, 1951. Class 19.

545,237. Steel Pipe. Jones & Laughlin Steel Corporation, Pittsburgh, Pa.
Filed Apr. 27, 1950, Serial No. 596,426. Published Apr. 10, 1951. Class 13.

545,238. Anesthetic. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Apr. 28, 1950, Serial No. 596,531. Published Apr. 17, 1951. Class 18.

545,239. Medicinal Preparation for Use in the Treatment of Respiratory Tract Conditions. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Apr. 28, 1950, Serial No. 596,532. Published Apr. 17, 1951. Class 18.

545,240. Canned Shellfish. William Klein, doing business as American Mercantile Company, San Francisco, Calif.
Filed May 1, 1950, Serial No. 596,670. Published Apr. 17, 1951. Class 46.

545,241. Medical Preparation—Namely, a Safe Remedy for Bed-Wetting in Children. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed May 1, 1950, Serial No. 596,681. Published Apr. 3, 1951. Class 18.

545,242. Medical Preparation—Namely, an Ointment of Sulfur, Salicylic Acid, and Tar for Relief of Skin Disease. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed May 1, 1950, Serial No. 596,684. Published Apr. 10, 1951. Class 18.

545,243. Piece Goods Made of Cotton. Claudia M. Ogden, doing business as Claudia Ogden's "Pink Pony" Fabrics, Scottsdale, Ariz.
Filed May 2, 1950, Serial No. 596,748. Published Apr. 17, 1951. Class 42.

545,244. Drawers for Cabinets. Avco Manufacturing Corporation, Cincinnati, Ohio.
Filed May 5, 1950, Serial No. 596,895. Published Apr. 10, 1951. Class 32.

545,245. Vase With Built-In Flower Holder Formed of a Plastic Composition. Alpheus J. Norman, Jr., doing business under the name and style of Nor-Vase Company, East Orange, N. J. and Warwick, N. Y.
Filed May 5, 1950, Serial No. 596,933. Published Apr. 24, 1951. Class 2.

545,246. Dried Beans. F. T. Pennington, doing business as Pennington Bean Company, Atlanta, Ga.
Filed May 5, 1950, Serial No. 596,938. Published Apr. 10, 1951. Class 46.

545,247. Medicinal Preparation for Administration to Poultry to Stimulate Growth. Elmer H. Wene, doing business as Wene Poultry Laboratories, Vineland, N. J.
Filed May 8, 1950, Serial No. 597,112. Published Apr. 17, 1951. Class 18.

545,248. Bread. Jamestown Baking Company, Inc., Jamestown, N. Y.
Filed May 10, 1950, Serial No. 597,209. Published Apr. 17, 1951. Class 46.

545,249. Chewing Gum. Amurol Products Co., Chicago, Ill.
Filed May 12, 1950, Serial No. 597,313. Published Mar. 20, 1951. Class 46.

545,250. Fresh Citrus Fruits. The Umatilla Fruit Company, Umatilla, Fla.
Filed May 12, 1950, Serial No. 597,364. Published Mar. 20, 1951. Class 46.

545,251. Instruments for Measuring Deviations From the Truly Circular of Articles of Nominally Circular Cross-Section. Taylor, Taylor & Hobson Limited, Leicester, England.
Filed May 11, 1950, Serial No. 597,370. Published Apr. 17, 1951. Class 26.

545,252. Frozen Shrimp. Refrigeradora del Noroeste, S. A., Mazatlan, Sinaloa, Mexico.
Filed May 12, 1950, Serial No. 597,371. Published Apr. 24, 1951. Class 46.

545,253. Beds, Chests, Desks, Dining Tables, Dining Chairs, Bridge Tables, Captain Chairs, Upholstered Chairs, Upholstered Davenos, Upholstered Rockers, Ottomans, and Occasional Tables. Milton T. Smith, doing business as Economy Furniture Upholstery, Austin, Tex.
Filed May 15, 1950, Serial No. 597,471. Published Apr. 24, 1951. Class 32.

545,254. Clothes Rack. Thomas J. Kelleher, doing business under the name of Kelson Products, Chicago, Ill.
Filed May 16, 1950, Serial No. 597,527. Published Apr. 10, 1951. Class 32.

545,255. Pigment Colors and Lake Colors for General Manufacturing Purposes. H. Kohnstamm & Co., Inc., New York, N. Y.
Filed May 16, 1950, Serial No. 597,530. Published Apr. 17, 1951. Class 6.

545,256. Mattresses and Box Springs. The Englander Company, Inc., Chicago, Ill.
Filed May 17, 1950, Serial No. 597,599. Published Apr. 10, 1951. Class 32.

545,257. Garment Hanging Racks. Feature Items, Inc., New York, N. Y.
Filed May 17, 1950, Serial No. 597,601. Published Apr. 10, 1951. Class 32.

545,258. Bed Pillows, Baby Cushions, Mattresses, Upholsterers' Seat Cushions, Sofa or Decorative Cushions. Schadt & Mathewson, Detroit, Mich.
Filed May 17, 1950, Serial No. 597,629. Published Apr. 10, 1951. Class 32.

545,259. Candy. Svenska Chokladfabriks Aktiebolaget Cloetta, Ljungsbro, Sweden.
Filed May 18, 1950, Serial No. 597,712. Published Apr. 17, 1951. Class 46.

545,260. Chemical Disinfectant Used To Destroy Microorganisms, Etc. Stanley Home Products, Inc., Westfield, Mass.
Filed May 19, 1950, Serial No. 597,788. Published Apr. 24, 1951. Class 6.

545,261. Coffee Concentrate. American Home Foods, Inc., New York, N. Y.
Filed May 20, 1950, Serial No. 597,807. Published Mar. 27, 1951. Class 46.

545,262. Non-Protein Bacterial Pyrogen. Baxter Laboratories, Inc., Morton Grove, Ill.
Filed May 20, 1950, Serial No. 597,810. Published Apr. 10, 1951. Class 18.

545,263. Electric Lamp Holders, and Mountings Therefor—Namely, Ball Adapters, Wiring Troughs, Pole Fitter Adapters, Slip Fitters, Outlet Boxes, Wall Brackets and Parts Thereof. The Illumilite Company, Inc., Springfield, Ill., assignor to Bertha Sternaman, Springfield, Ill.
Filed May 20, 1950, Serial No. 597,829. Published Apr. 17, 1951. Class 21.

545,264. Fresh Cantaloupes and Fresh Grapes. Couture Farms, Modesto, Calif.
Filed May 22, 1950, Serial No. 597,875. Published Mar. 27, 1951. Class 46.

545,265. Light Box or Cabinet for Exposing Printing Plates. Benjamin S. Ebersole, doing business as Allied Litho Supply Co., San Francisco, Calif.
Filed May 22, 1950, Serial No. 597,877. Published Apr. 10, 1951. Class 26.

545,266. Canned Orange Concentrate Product Comprising Orange Meat, Orange Juice, Dextrose, Sugar, Citric Acid, and Vitamin C. Prime Products, Inc., Tampa, Fla.
Filed May 22, 1950, Serial No. 597,905. Published Mar. 27, 1951. Class 46.

545,267. Medicinal Preparation for the Treatment of Vitamin and Nutritional Deficiencies. The Upjohn Company, Kalamazoo, Mich.
Filed May 23, 1950, Serial No. 597,987. Published Apr. 3, 1951. Class 18.

545,268. Bottled Salad Dressing. Grace E. Hartley, Baxter Springs, Kans.
Filed May 24, 1950, Serial No. 598,013. Published Mar. 20, 1951. Class 46.

545,269. Metal Serving Trays. Pabst Brewing Company, Chicago, Ill.
Filed May 24, 1950, Serial No. 598,032. Published Apr. 10, 1951. Class 13.

545,270. Elongated, Open-Top File Racks or Cases. Watson Manufacturing Company, Inc., Jamestown, N. Y.
Filed May 25, 1950, Serial No. 598,137. Published Mar. 13, 1951. Class 32.

545,271. Pork Sausage Seasoning Consisting of Peppers, Spices, Vegetable Proteins, Extracted Flavoring Substances, Sugar, and Monosodium Glutamate. Basic Food Materials, Inc., Vermilion, Ohio.
Filed May 26, 1950, Serial No. 598,147. Published Apr. 24, 1951. Class 46.

545,272. Magnetic Compasses. Hull Manufacturing Company, Warren, Ohio.
Filed May 29, 1950, Serial No. 598,302. Published Apr. 10, 1951. Class 26.

545,273. Merchandise Display Stands and Merchandise Display Cabinets. David A. McCowan, Inc., Buffalo, N. Y.
Filed May 31, 1950, Serial No. 598,377. Published Apr. 24, 1951. Class 32.

545,274. Pie-Crust and Pastry Mix and Frosting Mixes. The Taylor-Reed Corporation, Glenbrook, Conn.
Filed June 1, 1950, Serial No. 598,442. Published Mar. 27, 1951. Class 46.

545,275. Canned Fish. Aktiebolaget Sveriges Forenade Konservfabriker, Goteborg, Sweden.
Filed June 2, 1950, Serial No. 598,447. Published Apr. 24, 1951. Class 46.

545,276. Plastic Dinner Dish Ware. International Molded Plastics, Inc., Cleveland, Ohio.
Filed June 2, 1950, Serial No. 598,477. Published Apr. 10, 1951. Class 2.

545,277. Preparation for Treatment of Vitamin B Deficiencies. William R. Warner & Co., Inc., New York, N. Y., now by change of name Warner-Hudnut, Inc., a corporation of Delaware.
Filed June 3, 1950, Serial No. 598,534. Published Apr. 3, 1951. Class 18.

545,278. Reels in the Nature of Receptacles for Winding and Unwinding Lengths of Hose, Cable, Rope, and Wire. Clifford B. Hannay & Son, Inc., Westerlo, N. Y.
Filed June 5, 1950, Serial No. 598,585. Published Apr. 10, 1951. Class 2.

545,279. Medicinal Preparation for the Treatment of Asthmatic Conditions. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed June 6, 1950, Serial No. 598,682. Published Apr. 3, 1951. Class 18.

545,280. Medicinal Preparation for the Treatment of Asthmatic Conditions. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed June 6, 1950, Serial No. 598,683. Published Apr. 3, 1951. Class 18.

545,281. Vitamin Preparation. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed June 6, 1950, Serial No. 598,685. Published Apr. 3, 1951. Class 18.

545,282. Medicinal Preparation for the Treatment of Upper Respiratory Tract Conditions. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed June 6, 1950, Serial No. 598,687. Published Apr. 3, 1951. Class 18.

545,283. Medicinal Preparation in Tablet Form for the Treatment of Iron Deficiency Anemias. Taft Pharmaceutical Company, Incorporated, New Haven, Conn.
Filed June 6, 1950, Serial No. 598,692. Published Apr. 3, 1951. Class 18.

545,284. Venetian Blinds. Traverse Vertical Blind Co., Inc., Wichita, Kans.
Filed June 7, 1950, Serial No. 598,764. Published Apr. 10, 1951. Class 32.

545,285. Sewing Machines. Balin Export Company, Inc., New York, N. Y.
Filed June 8, 1950, Serial No. 598,780. Published Apr. 24, 1951. Class 23.

545,286. Water Softening and Detergent Composition for Use Especially as a Supplement to Bottle Washing Agents. Diamond Alkali Company, Cleveland, Ohio.
Filed June 10, 1950, Serial No. 598,896. Published May 1, 1951. Class 32.

545,287. Gas and Oil Separators Commonly Known as Gas Traps. Consolidated Western Steel Corporation, Los Angeles, Calif.
Filed June 14, 1950, Serial No. 599,083. Published Apr. 24, 1951. Class 13.

545,288. Peanuts, Shelled and Salted. Seabrook Associates, Tyrone, Pa.
Filed June 14, 1950, Serial No. 599,124. Published Apr. 10, 1951. Class 46.

545,289. Injectable Enzyme Preparation Used To Hydrolyze Hyaluronic Acid. Abbott Laboratories, North Chicago, Ill.
Filed June 15, 1950, Serial No. 599,141. Published Apr. 17, 1951. Class 18.

545,290. Paper Bags. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed June 15, 1950, Serial No. 599,168. Published Apr. 17, 1951. Class 2.

545,291. Candy. Keppel's, Inc., Lancaster, Pa.
Filed June 15, 1950, Serial No. 599,179. Published Apr. 17, 1951. Class 46.

545,292. Belt Buckles Plated With Precious Metal. Swank, Inc., Attleboro, Mass.
Filed June 16, 1950, Serial No. 599,278. Published Apr. 24, 1951. Class 28.

545,293. Drawing Instruments and Drawing Articles for Engineers and Architects—Namely, Slide Rules, Etc. Diwa Manufacturing Company, Gentofte, Denmark.
Filed June 17, 1950, Serial No. 599,315. Published Apr. 10, 1951. Class 26.

545,294. Borates in Crystalline, Granular, and Powdered Form. American Potash & Chemical Corporation, New York, N. Y.
Filed June 20, 1950, Serial No. 599,411. Published Apr. 24, 1951. Class 6.

545,295. Expansion Type Watch Bracelets. Flex-Let Corporation, East Providence, R. I.
Filed June 21, 1950, Serial No. 599,509. Published Apr. 24, 1951. Class 28.

545,296. Adrenocorticotropic Composition. Armour and Company, Chicago, Ill.
Filed June 22, 1950, Serial No. 599,547. Published Apr. 10, 1951. Class 18.

545,297. Folding Tables. Folding Products Manufacturing Corporation, New York, N. Y.
Filed June 22, 1950, Serial No. 599,560. Published Apr. 10, 1951. Class 32.

545,298. Tables Suitable for Use as Occasional Furniture. Rembrandt Lamp Corporation, Chicago, Ill.
Filed June 22, 1950, Serial No. 599,585. Published Apr. 10, 1951. Class 32.

545,299. Fresh Grapes. Exeter Vineyards Association, Exeter, Calif.
Filed June 23, 1950, Serial No. 599,623. Published Apr. 24, 1951. Class 46.

545,300. Fresh Grapes. Exeter Vineyards Association, Exeter, Calif.
Filed June 23, 1950, Serial No. 599,624. Published Apr. 24, 1951. Class 46.

545,301. Battery Charging Apparatus. The Hertner Electric Company, Cleveland, Ohio.
Filed June 23, 1950, Serial No. 599,634. Published Apr. 24, 1951. Class 21.

545,302. Self-Rising Griddle Cake Flour. Parkis Mills, Inc., Ballston Lake, N. Y.
Filed June 23, 1950, Serial No. 599,651. Published Apr. 24, 1951. Class 46.

545,303. Chocolated Sulfadiazine in Tablet Form. Alms Chocolated Pharmaceuticals, Inc., Brooklyn, N. Y.
Filed June 24, 1950, Serial No. 599,685. Published Apr. 17, 1951. Class 18.

545,304. Hassocks. B. T. Crump Company, Inc., Richmond, Va.
Filed June 26, 1950, Serial No. 599,750. Published Apr. 24, 1951. Class 32.

545,305. Oleomargarine. The Cudahy Packing Company, Chicago, Ill.
Filed June 26, 1950, Serial No. 599,751. Published Apr. 24, 1951. Class 46.

545,306. Oleomargarine. The Cudahy Packing Company, Chicago, Ill.
Filed June 26, 1950, Serial No. 599,752. Published Apr. 24, 1951. Class 46.

545,307. Staples Used in Connection With Hand Operated Stapling Machines for Fastening Papers, Etc. Markwell Manufacturing Company, Inc., New York, N. Y.
Filed June 26, 1950, Serial No. 599,768. Published Apr. 17, 1951. Class 13.

545,308. Canned Pork and Beans. Monmouth Canning Company, Portland, Maine.
Filed June 29, 1950, Serial No. 599,961. Published Apr. 24, 1951. Class 46.

545,309. Flavored Antibiotic Preparation for Oral Administration. Chas. Pfizer & Co., Inc., Brooklyn, N. Y.
Filed June 29, 1950, Serial No. 599,972. Published Apr. 10, 1951. Class 18.

545,310. Odoriferous and Aromatic Chemicals Useful in the Production of Perfumes and Flavoring Extracts. Verona Chemical Company, Newark, N. J.
Filed June 29, 1950, Serial No. 600,001. Published Apr. 24, 1951. Class 6.

545,311. Aerosol Insecticidal Compositions for Household and Similar Uses. Allied Chemical & Dye Corporation, New York, N. Y.
Filed June 30, 1950, Serial No. 600,013. Published Apr. 10, 1951. Class 6.

545,312. Bedsprings. Simmons Company, New York, N. Y.
Filed June 30, 1950, Serial No. 600,087. Published Apr. 24, 1951. Class 32.

545,313. Service Table for Babies. Gerald C. Madison, doing business as The Bundle Company, Santa Monica, Calif.
Filed July 1, 1950, Serial No. 600,136. Published Apr. 24, 1951. Class 32.

545,314. Medicinal Preparation, More Particularly a Sodium Adsorbent for Use as a Dietary Supplement. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed July 1, 1950, Serial No. 600,151. Published Apr. 10, 1951. Class 18.

545,315. Phosphating Chemicals for Conditioning Metal Surfaces Against Corrosion. Parker Rust Proof Company, Detroit, Mich.
Filed July 3, 1950, Serial No. 600,188. Published May 1, 1951. Class 6.

545,316. Phosphating Chemicals for Conditioning Metal Surfaces Against Corrosion. Parker Rust Proof Company, Detroit, Mich.
Filed July 3, 1950, Serial No. 600,189. Published May 1, 1951. Class 6.

545,317. Window Blinds. Sun Vertikal Blind Company, Grand Rapids, Mich.
Filed July 5, 1950, Serial No. 600,236. Published Apr. 24, 1951. Class 32.

545,318. Chemical Preparation Used as a Brightener To Make White Textiles Whiter and Colored Textiles Brighter. Lever Brothers Company, New York, N. Y.
Filed July 6, 1950, Serial No. 600,294. Published Apr. 24, 1951. Class 6.

545,319. Chemical Preparation for Use in the Purification of Sugar-Bearing Solutions. National Cylinder Gas Company, Chicago, Ill.
Filed July 8, 1950, Serial No. 600,389. Published Apr. 24, 1951. Class 6.

545,320. Cresylic Acid. Ehrhart & Arthur, Inc., doing business as Productol Company, Los Angeles, Calif.
Filed July 10, 1950, Serial No. 600,423. Published Apr. 24, 1951. Class 6.

545,321. Mattresses. Slumber Products Corporation, Memphis, Tenn.
Filed July 10, 1950, Serial No. 600,453. Published Apr. 24, 1951. Class 32.

545,322. Wax Emulsions for the Preservation and Improvement in Appearance of Fruits, Vegetables, Nuts, Root Crops, and Other Edibles. Franklin Research Company, Philadelphia, Pa.
Filed July 11, 1950, Serial No. 600,476. Published Apr. 24, 1951. Class 6.

545,323. Lapel Buttons, Pins and Badges, Etc. The National Exchange Club, Toledo, Ohio.
Filed July 11, 1950, Serial No. 600,504. Published Apr. 24, 1951. Class 28.

545,324. Veterinary Ointment for the Treatment of Bovine Mastitis. The Upjohn Company, Kalamazoo, Mich.
Filed July 11, 1950, Serial No. 600,519. Published Apr. 10, 1951. Class 18.

545,325. Insecticides. West Disinfecting Company, Long Island City, N. Y.
Filed July 13, 1950, Serial No. 600,635. Published May 1, 1951. Class 6.

545,326. Watches. Granat Bros., San Francisco, Calif.
Filed July 14, 1950, Serial No. 600,672. Published Apr. 24, 1951. Class 27.

545,327. Camphor Crystals for Use as a Repellent for Mice, Moths, Rats, and Wild Rabbits. A. & J. Mfg. Co., Chicago, Ill.
Filed July 18, 1950, Serial No. 600,802. Published May 1, 1951. Class 6.

545,328. Formaldehyde. Celanese Corporation of America, New York, N. Y.
Filed July 18, 1950, Serial No. 600,813. Published May 1, 1951. Class 6.

545,329. Bleach Preparation. H. G. Hill Stores, Inc., New Orleans, La.
Filed July 18, 1950, Serial No. 600,832. Published May 1, 1951. Class 6.

545,330. Barber Chairs and Beauty Parlor Chairs. Emil J. Paidar Company, doing business as Theo. A. Kochs Company, Chicago, Ill.
Filed July 18, 1950, Serial No. 600,846. Published Apr. 24, 1951. Class 32.

545,331. Electrical Appliances—Namely, Automatic Pop-Up Toasters, Water Heaters, Coffee Makers, Waffle Bakers, Flatirons, and Roll and Food Warmers. McGraw Electric Company, Elgin, Ill.
Filed July 19, 1950, Serial No. 600,901. Published Apr. 24, 1951. Class 21.

545,332. Mattresses. Shifman Bros., Newark, N. J.
Filed July 19, 1950, Serial No. 600,918. Published Apr. 24, 1951. Class 32.

545,333. Mattresses. Shifman Bros., Newark, N. J.
Filed July 19, 1450, Serial No. 600,919. Published Apr. 24, 1951. Class 32.

545,334. Mattresses. Shifman Bros., Newark, N. J.
Filed July 19, 1950, Serial No. 600,922. Published Apr. 24, 1951. Class 32.

545,335. Mattresses. Shifman Bros., Newark, N. J.
Filed July 19, 1950, Serial No. 600,923. Published Apr. 24, 1951. Class 32.

545,336. Mattresses. Shifman Bros., Newark, N. J.
Filed July 19, 1950, Serial No. 600,926. Published Apr. 24, 1951. Class 32.

545,337. Analgesic Tablets. Frank L. Iungerich, St. Louis, Mo.
Filed July 21, 1950, Serial No. 601,051. Published Apr. 10, 1951. Class 18.

545,338. Toilet Tissue Dispensers Adapted To Be Affixed to a Wall or Other Support, and To Hold and Dispense Toilet Tissue. Chicago Towel Company, Chicago, Ill.
Filed July 22, 1950, Serial No. 601,094. Published Apr. 24, 1951. Class 13.

545,339. Medicinal Hormone Preparation. Organon Inc., Orange, N. J.
Filed July 25, 1950, Serial No. 601,230. Published Apr. 17, 1951. Class 18.

545,340. Television Receiving Sets. Gold Seal Co., Inc., Charlotte, N. C.
Filed July 27, 1950, Serial No. 601,324. Published Apr. 24, 1951. Class 21.

545,341. Electric Sadirons. Knapp-Monarch Company, St. Louis, Mo.
Filed July 29, 1950, Serial No. 601,442. Published Apr. 24, 1951. Class 21.

545,342. Clocks. Mastercrafters Clock & Radio Company, Chicago, Ill.
Filed July 29, 1950, Serial No. 601,450. Published Apr. 24, 1951. Class 27.

545,343. Preparations Useful in the Prevention and Treatment of Bacterial Infections and Allergic Manifestations, Etc. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Aug. 1, 1950, Serial No. 601,572. Published Apr. 17, 1951. Class 18.

545,344. Artificial Fishing Baits and Lures. South Bend Bait Company, South Bend, Ind.
Filed Aug. 5, 1950, Serial No. 601,810. Published Apr. 24, 1951. Class 22.

545,345. Hard Rubber Separators for Storage Batteries. American Hard Rubber Company, Hempstead and New York, N. Y.
Filed Aug. 10, 1950, Serial No. 602,014. Published Apr. 17, 1951. Class 21.

545,346. Combined Electric Motor and Hydraulic Coupling Drives for Mechanical Devices. Link-Belt Company, Chicago, Ill.
Filed Aug. 23, 1950, Serial No. 602,617. Published Apr. 17, 1951. Class 21.

545,347. Woolen Blankets. Cluett, Peabody & Co., Inc., Troy, N. Y.
Filed Aug. 24, 1950, Serial No. 602,677. Published Apr. 17, 1951. Class 42.

545,348. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Aug. 24, 1950, Serial No. 602,692. Published Apr. 24, 1951. Class 27.

545,349. Portable Electrically Driven Cleaning Blowers, Suction Cleaners, and Sprayers. Breuer Electric Mfg. Co., Chicago, Ill.
Filed Aug. 26, 1950, Serial No. 602,796. Published Apr. 17, 1951. Class 21.

545,350. Water Heaters Heated by Steam, Hot Water, Gas, or Oil. American District Steam Company, Inc., North Tonawanda, N. Y.
Filed Aug. 29, 1950, Serial No. 602,879. Published May 1, 1951. Class 34.

545,351. Cotton Piece Goods. Bates Manufacturing Company, Lewiston, Maine.
Filed Aug. 29, 1950, Serial No. 602,883. Published Apr. 17, 1951. Class 42.

545,352. Rayon Fabrics in the Piece. Burlington Mills Corporation, Greensboro, N. C.
Filed Aug. 30, 1950, Serial No. 602,927. Published Apr. 17, 1951. Class 42.

545,353. Children's Dolls and Doll Clothes. Walkalon Mfg. Company, Chicago, Ill.
Filed Aug. 30, 1950, Serial No. 602,982. Published May 1, 1951. Class 22.

545,354. Clocks and Watches. Denver Clock & Watch Corporation, New York, N. Y.
Filed Aug. 31, 1950, Serial No. 603,003. Published Apr. 24, 1951. Class 27.

545,355. Cover Assemblies for the Rolls of Laundry Ironing Machines, and Fabric Feed Ribbons and Fabric Webs Used as Conveyors on Laundry Ironing Machinery. Benwall Mfg. Co. Inc., Brooklyn, N. Y.
Filed Sept. 2, 1950, Serial No. 603,105. Published May 1, 1951. Class 24.

545,356. Electrically Operated Garbage Disposal Units Used in Connection With the Drain Outlet of Kitchen Sinks. Admiral Controls, Inc., Los Angeles, Calif.
Filed Sept. 5, 1950, Serial No. 603,141. Published Apr. 17, 1951. Class 21.

545,357. Rotary Selector Switches, Pressure and Vacuum Operated Switches, and Solenoid Operated Valves. Meletron Corporation, Los Angeles, Calif.
Filed Sept. 5, 1950, Serial No. 603,161. Published Apr. 24, 1951. Class 21.

545,358. Combination Heating and Air-Cooling Apparatus for Rooms, Buildings, and the Like. Cunningham Engineering Co., Birmingham, Ala.
Filed Sept. 11, 1950, Serial No. 603,403. Published May 1, 1951. Class 34.

545,359. Heating Elements for Electric Stoves. Cory Corporation, Chicago, Ill.
Filed Sept. 30, 1850, Serial No. 604,256. Published Apr. 17, 1951. Class 21.

545,360. Television Antennae. Tel-A-Ray Enterprises, Inc., Henderson, Ky.
Filed Sept. 30, 1950, Serial No. 604,282. Published Apr. 17, 1951. Class 21.

545,361. Clothes Washers and Clothespins. Stanley Home Products, Inc., Westfield, Mass.
Filed Oct. 3, 1950, Serial No. 604,400. Published Apr. 24, 1951. Class 24.

Service Marks

545,362. Motor Van Transportation and Warehousing Service—Namely, Moving Household Goods, Etc. Trans-American Van Service, Inc., Chicago, Ill.
Filed July 5, 1947, Serial No. 527,801. Published Apr. 17, 1951. Class 105.

545,363. Workmen's Compensation, Public Liability, Etc. Employers Mutual Liability Insurance Company of Wisconsin, Wausau, Wis.
Filed July 21, 1947, Serial No. 528,993. Published Apr. 17, 1951. Class 102.

545,364. Workmen's Compensation, Public Liability, Automobile, Group Health and Accident, Burglary, Plate Glass and Fidelity Bonds, Insurance Services. Employers Mutual Liability Insurance Company of Wisconsin, Wausau, Wis.
Filed July 21, 1947, Serial No. 528,994. Published Apr. 17, 1951. Class 102.

545,365. Workmen's Compensation, Public Liability, Automobile, Etc. Employers Mutual Liability Insurance Company of Wisconsin, Wausau, Wis.
Filed Aug. 25, 1947, Serial No. 532,283. Published Apr. 17, 1951. Class 102.

545,366. Radio Program Broadcasting Services. Columbia Broadcasting System, Inc., New York, N. Y.
Filed Dec. 22, 1947, Serial No. 545,083. Published Apr. 17, 1951. Class 104.

545,367. Entertainment Service in the Nature of Quiz Shows, Through the Medium of Radio. Louis G. Cowan, New York, N. Y., assignor to Quiz Kids, Inc., Chicago, Ill., a corporation of Illinois.
Filed Feb. 24, 1948, Serial No. 550,390. Published Apr. 17, 1951. Class 107.

545,368. Procuring Buyers of Businesses, Together With the Real Estate on Which Such Businesses Are Located, for Those Who Desire To Sell Said Businesses and Said Real Property. Norman Whitman, Omaha, Nebr.
Filed June 28, 1949, Serial No. 581,226. Published Apr. 17, 1951. Class 102.

545,369. Fire, Wind, Explosion, Loss of Earnings, All Risk and Allied Types of Property Insurance. Ohio Farmers Insurance Company, Leroy, Ohio.
Filed Mar. 10, 1950, Serial No. 593,741. Published Apr. 17, 1951. Class 102.

545,370. Transportation of Freight by Truck. Navajo Freight Lines, Inc., Los Angeles, Calif.
Filed May 11, 1950, Serial No. 597,287. Published Apr. 10, 1951. Class 105.

Certification Marks

545,371. Fluorescent Lamp Ballasts. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,261. Published May 1, 1951. Class 21.

545,372. Fluorescent Lamp Starters. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,262. Published May 1, 1951. Class 21.

545,373. Fluorescent Lamp Fixtures. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,263. Published May 1, 1951. Class 21.

545,374. Portable Electric Floor and Table Lamps. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,264. Published May 1, 1951. Class 21.

545,375. Portable Electric Floor and Table Lamps. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,265. Published May 1, 1951. Class 21.

545,376. Separate Bases for Portable Electric Lamps. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,266. Published May 1, 1951. Class 21.

545,377. Lamp Shades for Portable Electric Lamps. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,267. Published May 1, 1951. Class 21.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

545,378. (Class 1. Raw or Partly Prepared Materials.) Baw Industries, Champaign, Ill. Original filed, act of 1905, Mar. 25, 1946; amended to application under act of 1946, Supplemental Register, Mar. 11, 1949, Serial No. 498,880.

"SANI-COB"

For Poultry Litter.
Claims use since Jan. 15, 1946.

545,379. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Petersen Show Case & Fixture Company, Los Angeles, Calif. Original filed, act of 1905, Mar. 1, 1947; amended to application, under act of 1946, Supplemental Register, Nov. 18, 1948, Serial No. 518,448.



For Drainboards and Cocktail Units in the Nature of Sinks.
Claims use since Sept. 9, 1946.

545,380. (Class 46. Foods and Ingredients of Foods.) Morton Salt Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 10, 1947; amended to application, Supplemental Register, Mar. 18, 1949, Serial No. 540,698.



The drawing is lined for blue.
For Salt.
Claims use since June 15, 1906, as to the words "White Crystal"; and on the mark as shown since Dec. 20, 1946.

545,381. (Class 46. Foods and Ingredients of Foods.) Sarah J. Davis, Madison, N. J. Original filed, act of 1946, Principal Register, Oct. 31, 1947; amended to application, Supplemental Register, Oct. 27, 1950, Serial No. 542,426.



For Chicken Roll.
Claims use since July 5, 1946.

545,382. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) C. F. Church Mfg. Co., Chicopee, Mass. Original filed, act of 1946, Principal Register, Mar. 15, 1948; amended to application, Supplemental Register, July 25, 1949, Serial No. 551,948.

"THE BEST SEAT IN THE HOUSE"

For Toilet Seats.
Claims use since 1946.

545,383. (Class 39. Clothing.) Neumode Hosiery Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Mar. 18, 1948; amended to application, Supplemental Register, Dec. 7, 1949, Serial No. 552,259.

Twistless

For Hosiery.
Claims use since Jan. 6, 1848.

545,384. (Class 36. Musical Instruments and Supplies.) Joseph S. Murano, Youngstown, Ohio. Original filed, act of 1946, Principal Register, May 15, 1948; amended to application, Supplemental Register, Oct. 13, 1949, Serial No. 557,150.

FREE-TONE

For Clarinet, Saxophone and Similar Reed Carrying Instrument Mouthpieces.
Claims use since Mar. 15, 1948.

545,342. Clocks. Mastercrafters Clock & Radio Company, Chicago, Ill.
Filed July 29, 1950, Serial No. 601,450. Published Apr. 24, 1951. Class 27.

545,343. Preparations Useful in the Prevention and Treatment of Bacterial Infections and Allergic Manifestations, Etc. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Aug. 1, 1950, Serial No. 601,572. Published Apr. 17, 1951. Class 18.

545,344. Artificial Fishing Baits and Lures. South Bend Bait Company, South Bend, Ind.
Filed Aug. 5, 1950, Serial No. 601,810. Published Apr. 24, 1951. Class 22.

545,345. Hard Rubber Separators for Storage Batteries. American Hard Rubber Company, Hempstead and New York, N. Y.
Filed Aug. 10, 1950, Serial No. 602,014. Published Apr. 17, 1951. Class 21.

545,346. Combined Electric Motor and Hydraulic Coupling Drives for Mechanical Devices. Link-Belt Company, Chicago, Ill.
Filed Aug. 23, 1950, Serial No. 602,617. Published Apr. 17, 1951. Class 21.

545,347. Woolen Blankets. Cluett, Peabody & Co., Inc., Troy, N. Y.
Filed Aug. 24, 1950, Serial No. 602,677. Published Apr. 17, 1951. Class 42.

545,348. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Aug. 24, 1950, Serial No. 602,692. Published Apr. 24, 1951. Class 27.

545,349. Portable Electrically Driven Cleaning Blowers, Suction Cleaners, and Sprayers. Breuer Electric Mfg. Co., Chicago, Ill.
Filed Aug. 26, 1950, Serial No. 602,796. Published Apr. 17, 1951. Class 21.

545,350. Water Heaters Heated by Steam, Hot Water, Gas, or Oil. American District Steam Company, Inc., North Tonawanda, N. Y.
Filed Aug. 29, 1950, Serial No. 602,879. Published May 1, 1951. Class 34.

545,351. Cotton Piece Goods. Bates Manufacturing Company, Lewiston, Maine.
Filed Aug. 29, 1950, Serial No. 602,883. Published Apr. 17, 1951. Class 42.

545,352. Rayon Fabrics in the Piece. Burlington Mills Corporation, Greensboro, N. C.
Filed Aug. 30, 1950, Serial No. 602,927. Published Apr. 17, 1951. Class 42.

545,353. Children's Dolls and Doll Clothes. Waikalon Mfg. Company, Chicago, Ill.
Filed Aug. 30, 1950, Serial No. 602,982. Published May 1, 1951. Class 22.

545,354. Clocks and Watches. Denver Clock & Watch Corporation, New York, N. Y.
Filed Aug. 31, 1950, Serial No. 603,003. Published Apr. 24, 1951. Class 27.

545,355. Cover Assemblies for the Rolls of Laundry Ironing Machines, and Fabric Feed Ribbons and Fabric Webs Used as Conveyors on Laundry Ironing Machinery. Benwall Mfg. Co. Inc., Brooklyn, N. Y.
Filed Sept. 2, 1950, Serial No. 603,105. Published May 1, 1951. Class 24.

545,356. Electrically Operated Garbage Disposal Units Used in Connection With the Drain Outlet of Kitchen Sinks. Admiral Controls, Inc., Los Angeles, Calif.
Filed Sept. 5, 1950, Serial No. 603,141. Published Apr. 17, 1951. Class 21.

545,357. Rotary Selector Switches, Pressure and Vacuum Operated Switches, and Solenoid Operated Valves. Meletron Corporation, Los Angeles, Calif.
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Certification Marks

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Filed Jan. 3, 1948, Serial No. 546,261. Published May 1, 1951. Class 21.

545,372. Fluorescent Lamp Starters. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,262. Published May 1, 1951. Class 21.

545,373. Fluorescent Lamp Fixtures. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,263. Published May 1, 1951. Class 21.

545,374. Portable Electric Floor and Table Lamps. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,264. Published May 1, 1951. Class 21.

545,375. Portable Electric Floor and Table Lamps. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,265. Published May 1, 1951. Class 21.

545,376. Separate Bases for Portable Electric Lamps. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,266. Published May 1, 1951. Class 21.

545,377. Lamp Shades for Portable Electric Lamps. Electrical Testing Laboratories, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,267. Published May 1, 1951. Class 21.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

545,378. (Class 1. Raw or Partly Prepared Materials.) Baw Industries, Champaign, Ill. Original filed, act of 1905, Mar. 25, 1946; amended to application under act of 1946, Supplemental Register, Mar. 11, 1949, Serial No. 498,880.

"SANI-COB"

For Poultry Litter.
Claims use since Jan. 15, 1946.

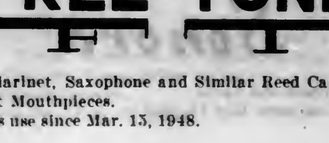
545,379. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Petersen Show Case & Fixture Company, Los Angeles, Calif. Original filed, act of 1905, Mar. 1, 1947; amended to application, under act of 1946, Supplemental Register, Nov. 18, 1948, Serial No. 518,448.

For Drainboards and Cocktail Units in the Nature of Sinks.
Claims use since Sept. 9, 1946.

545,380. (Class 46. Foods and Ingredients of Foods.) Morton Salt Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 10, 1947; amended to application, Supplemental Register, Mar. 18, 1949, Serial No. 540,698.

The drawing is lined for blue.
For Salt.
Claims use since June 15, 1906, as to the words "White Crystal"; and on the mark as shown since Dec. 20, 1946.

545,381. (Class 46. Foods and Ingredients of Foods.) Sarah J. Davis, Madison, N. J. Original filed, act of 1946, Principal Register, Oct. 31, 1947; amended to application, Supplemental Register, Oct. 27, 1950, Serial No. 542,426.



For Chicken Roll.
Claims use since July 5, 1946.

545,382. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) C. F. Church Mfg. Co., Chicopee, Mass. Original filed, act of 1946, Principal Register, Mar. 15, 1948; amended to application, Supplemental Register, July 25, 1949, Serial No. 551,048.

"THE BEST SEAT IN THE HOUSE"

For Toilet Seats.
Claims use since 1946.

545,383. (Class 39. Clothing.) Neumode Hosiery Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Mar. 18, 1948; amended to application, Supplemental Register, Dec. 7, 1949, Serial No. 552,259.

Twistless

For Hosiery.
Claims use since Jan. 6, 1848.

545,384. (Class 36. Musical Instruments and Supplies.) Joseph S. Murano, Youngstown, Ohio. Original filed, act of 1946, Principal Register, May 15, 1948; amended to application, Supplemental Register, Oct. 13, 1949, Serial No. 557,150.

FREE-TONE

For Clarinet, Saxophone and Similar Reed Carrying Instrument Mouthpieces.
Claims use since Mar. 15, 1948.

545,385. (Class 33. Glassware.) Robert Larsen, New York, N. Y. Original filed, act of 1946, Principal Register, May 18, 1948; amended to application, Supplemental Register, Oct. 17, 1950, Serial No. 557,285.



For Watch Crystals.
Claims use since Dec. 5, 1947.

545,386. (Class 28. Jewelry and Precious-Metal Ware.) Weinreich Brothers Company, New York, N. Y. Original filed, act of 1946, Principal Register, June 5, 1948; amended to application, Supplemental Register, Oct. 25, 1950, Serial No. 558,609.

PARISIENE QUALITY

For Pearl Necklaces, Pearl Earrings, Pearl Bracelets, Pearl Brooches.
Claims use since 1916.

545,387. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) The American Hardware Corporation, New Britain, Conn. Original filed, act of 1946, Principal Register, Mar. 24, 1948; amended to application, Supplemental Register, Dec. 27, 1950, Serial No. 561,415.

Good Buildings Deserve Good Hardware

Applicant claims ownership of Registration No. 294,574.
For Mechanically Operated Door-Bells, Door-Knobs, Door-Knockers, Door-Stops, Holders and Closers, Door Quadrants, Door and Sash Pivots, Door Checks and Springs, Door-Pulls, Door Openers; Door, Window, and Transom Fittings—Namely, Door-Hooks, Push and Pull Plates, Kick-Plates, Finger-Plates, Name-Plates, Rose-Plates, Number-Plates, Letter-Box Plates, Sash-Lifts, Sash and Transom Centers, Sash-Cord Irons, Sash Rollers and Sheaves; Coat and Hat Hooks, Cabin-Door Hooks, Wardrobe-Hooks, Ceiling Hooks, Screw Hooks, Turnbuckles, Flush Rings, Locker-Rings; Drawer Pulls, Handles and Knobs; Picture Knobs, Hinges, Spring-Hinges, Chest Corners and Fittings, Chest-Handles, Screws, Screw-Eyes, Cleats, Escutcheons, Hasps, Hangers, Metal Washers, Staples, Nuts, Metal Chains, Window-Stops, Umbrella Clips; Metal Letters, Figures and Monograms; Transom and Skylight Lifters and Openers, Cupboard-Turns, Bell-Cranks, Casement and Shutter Adjusters, Shelf-Brackets, Sliding-Door Sheaves and Rails, Mouth-Pieces for Speaking-Tubes.
Claims use since January 1927.

545,388. (Class 43. Thread and Yarn.) The Hacker Import Corporation, New York, N. Y. Filed Aug. 24, 1948, Serial No. 563,927.

Sonora

For Threads and Yarns.
Claims use since May 11, 1942.

545,389. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Maxwell-Phillip Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 11, 1948; amended to application, Supplemental Register, Feb. 14, 1950, Serial No. 565,001.



For Cocktail Shakers Made of Base Metals.
Claims use since July 15, 1948.

545,390. (Class 46. Foods and Ingredients of Foods.) Roma Macaroni Company, doing business as Roma Macaroni Factory, San Francisco, Calif. Original filed, act of 1946, Principal Register, Nov. 23, 1948; amended to application, Supplemental Register, May 4, 1951, Serial No. 569,302.

Roma

Applicant claims ownership of Registration No. 250,133.
For Spaghetti, Egg Noodles, Vermicelli, and Macaroni.
Claims use since September 1890.

545,391. (Class 51. Cosmetics and Toilet Preparations.) The Neville Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 11, 1949; amended to application, Supplemental Register, Sept. 9, 1950, Serial No. 573,732.

Neville

For Beard Softener.
Claims use since Jan. 9, 1949.

545,392. (Class 52. Detergents and Soaps.) The Cramer Chemical Company, Gardner, Kans. Original filed, act of 1946, Principal Register, Feb. 21, 1949; amended to application, Supplemental Register, Apr. 7, 1950, Serial No. 574,213.

LETHERSOPE

For a Cleaning Preparation for Use in Cleaning Leather Goods and Leather-Covered Balls Used in Sports and Athletics.
Claims use since Jan. 7, 1949.

545,393. (Class 39. Clothing.) Western Garment Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, Mar. 23, 1949; amended to application, Supplemental Register, Dec. 28, 1950, Serial No. 575,958.

Everlite

For Ladies' and Misses' Coats, Suits, and Dresses.
Claims use since Jan. 14, 1949.

545,394. (Class 18. Medicines and Pharmaceutical Preparations.) Physicians and Hospitals Supply Company, Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Mar. 24, 1949; amended to application, Supplemental Register, June 5, 1950, Serial No. 576,013.

HEMALIQUID "ULMER"

The drawing is lined for red. Applicant claims ownership of Registrations Nos. 441,237 and 306,646.
For Medicinal Preparation—Namely, a Tonic and Hematinic Elixir for Treatment of Secondary Anemia.
Claims use since July 12, 1948.

545,395. (Class 12. Construction Materials.) Chicago Specialty Manufacturing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Apr. 22, 1949; amended to application, Supplemental Register, Apr. 28, 1951, Serial No. 577,515.

SHUR-SEAL

For Pipe Joint Compound in Stick Form.
Claims use since Nov. 16, 1948.

545,396. (Class 28. Jewelry and Precious-Metal Ware.) Coro, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 11, 1949; amended to application, Supplemental Register, Nov. 8, 1950, Serial No. 583,331.

Polynesian

For Pearl Necklaces, Pearl Earrings, Pearl Bracelets, Strings of Pearls.
Claims use since June 1, 1949.

545,397. (Class 12. Construction Materials.) Superflex Plywood Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 27, 1949; amended to application, Supplemental Register, Mar. 13, 1951, Serial No. 584,168.



For Flexible Plywood.
Claims use since Sept. 1, 1948.

545,398. (Class 46. Foods and Ingredients of Foods.) Utley Noble, doing business as The Mor-Milk Company, Dixon, Ill. Original filed, act of 1946, Principal Register, Aug. 30, 1949; amended to application, Supplemental Register, Apr. 28, 1951, Serial No. 584,247.

NOBLE

For Dietary Supplement for Cattle Comprising Defatted Dry Milk Solids, Fish Meal, Liver Meal, Flour, Meat Scraps, Irradiated Yeast, Cod Liver Oil, Minerals, and Vitamins.
Claims use since Apr. 28, 1949.

545,399. (Class 28. Jewelry and Precious-Metal Ware.) Weinreich Brothers Company, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 16, 1949; amended to application, Supplemental Register, Feb. 3, 1951, Serial No. 584,936.

ALL OCCASION

For Pearl Necklaces, Pearl Earrings, Pearl Bracelets, Strings of Pearls, all Pearl Jewelry for Personal Wear and Adornment not Including Watches.
Claims use since May 1949.

545,400. (Class 6. Chemicals and Chemical Compositions.) Gilsdorf & Deklotz, Portland, Oreg. Original filed, act of 1946, Principal Register, Sept. 19, 1949; amended to application, Supplemental Register, May 22, 1950, Serial No. 585,044.

TREGREEN

The drawing is lined for the color green.
For Preparation for Preserving the Foliage of Christmas Trees.
Claims use since Nov. 26, 1947.

545,401. (Class 2. Receptacles.) Milprint, Inc., Milwaukee, Wis. Original filed, act of 1946, Principal Register, Nov. 18, 1949; amended to application, Supplemental Register, Oct. 2, 1950, Serial No. 588,257.

ZIP-LOK

For Commodity and Merchandising Pouches and Bags Formed of Paper, Regenerated Cellulose, Rubber Hydrochloride, Glassine, Composition Materials, and Plastics, or Combinations Thereof.
Claims use since Sept. 26, 1949.

545,402. (Class 39. Clothing.) Raylass Department Stores, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 29, 1949; amended to application, Supplemental Register, Oct. 4, 1950, Serial No. 588,518.

Miss Ray

The name "Miss Ray" is arbitrary and fanciful.
For Women's and Girls' Hosiery and Shoes.
Claims use since Aug. 30, 1939.

545,403. (Class 4. Abrasives and Polishing Materials.) Washington Technical Laboratories, Inc., Washington, Pa. Original filed, act of 1946, Principal Register, Jan. 5, 1950; amended to application, Supplemental Register, Jan. 25, 1951, Serial No. 590,402.

SPE-D-GLO

For Metal Polish.
Claims use since Sept. 15, 1949.

545,404. (Class 39. Clothing.) Auerbach Bath Robe Corp., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 14, 1949; amended to application, Supplemental Register, Apr. 2, 1951, Serial No. 590,776.

Plane and Train

For Lounging Robes, Pullman Robes, Beach Robes, Bath Robes, House Robes, and Traveling Robes.
Claims use since Oct. 20, 1949.

545,405. (Class 6. Chemicals and Chemical Compositions.) Arkansas Company, Inc., Newark, N. J. Original filed, act of 1946, Principal Register, Jan. 23, 1950; amended to application, Supplemental Register, Mar. 28, 1951, Serial No. 591,272.

FI-RE-TARD

For Chemical Compositions for Treating Cellulosic Textiles To Render Them Non-Inflammable.
Claims use since Mar. 1, 1949.

545,406. (Class 6. Chemicals and Chemical Compositions.) House of Huston, Inc., Coral Gables, Fla. Original filed, act of 1946, Principal Register, Jan. 28, 1950; amended to application, Supplemental Register, Oct. 16, 1950, Serial No. 591,620.

BUG BAN

For Insect Repellent.
Claims use since Sept. 1, 1946.

545,407. (Class 4. Abrasives and Polishing Materials.) Seymour of Sycamore, Inc., Sycamore, Ill. Original filed, act of 1946, Principal Register, Feb. 15, 1950; amended to application, Supplemental Register, Feb. 17, 1951, Serial No. 592,521.



For Sprayable Wax for Protecting and Polishing Automobiles, Home and Office Furniture, Wall Tile, Leather and Other Analogous Goods.
Claims use since January 1950.

545,408. (Class 22. Games, Toys, and Sporting Goods.) Banthrico Industries, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Mar. 3, 1950; amended to application, Supplemental Register, May 15, 1951, Serial No. 593,325.

AUTOBANK

For Toy Children's Savings Bank.
Claims use since Feb. 1, 1950.

545,409. (Class 14. Metals and Metal Castings and Forgings.) Precision Steel Warehouse, Inc., Chicago, Ill. Filed Mar. 21, 1950, Serial No. 594,333.

PRECISION BRAND

Applicant claims ownership of Registrations Nos. 421,089 and 500,358.
For Music Wire, Tempered Spring Steel and Flat Wire.
Claims use since August 1948.

545,410. (Class 22. Games, Toys, and Sporting Goods.) Bill Crowder Bait Co., Newark, N. J. Original filed, act of 1946, Principal Register, Apr. 5, 1950; amended to application, Supplemental Register, Mar. 14, 1951, Serial No. 595,248.

BILL CROWDER Rubarinds

For Artificial Fish Bait.
Claims use since Feb. 21, 1950.

545,411. (Class 28. Jewelry and Precious-Metal Ware.) Weinreich Brothers Company, New York, N. Y. Original filed, act of 1946, Principal Register, June 16, 1950; amended to application, Supplemental Register, May 4, 1951, Serial No. 599,295.

Measurite DOG COLLAR

For Jewelry Findings—Namely, Fasteners and Closures.
Claims use since April 1950.

545,412. (Class 39. Clothing.) Lanner Bros., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 21, 1950; amended to application, Supplemental Register, May 7, 1951, Serial No. 599,516.

VALENCIA

For Hosiery and Underwear for Men, Women and Children.
Claims use since 1925.

545,413. (Class 51. Cosmetics and Toilet Preparations.) Elizabeth Arden Sales Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, July 19, 1950; amended to application, Supplemental Register, May 8, 1951, Serial No. 600,874.

Spun Cream Pin Curl Wave

For Hair Waving Lotion and Neutralizer.
Claims use since Mar. 15, 1950.

545,414. (Class 28. Jewelry and Precious-Metal Ware.) St. Louis Metalcrafts, Inc., St. Louis, Mo. Original filed, act of 1946, Principal Register, July 28, 1950; amended to application, Supplemental Register, Apr. 26, 1951, Serial No. 601,379.

Teach-Ezy

For Baby Drinking Cups Made of Sterling Silver, or Silver-Plated.
Claims use since Mar. 7, 1949.

545,415. (Class 50. Merchandise Not Otherwise Classified.) Century Manufacturing Company, Newark, N. J. Original filed, act of 1946, Principal Register, Aug. 5, 1950; amended to application, Supplemental Register, Apr. 24, 1951, Serial No. 601,775.

CARRY-CABANA

For Collapsible and Portable Beach Shelters.
Claims use since Mar. 29, 1950.

545,416. (Class 46. Foods and Ingredients of Foods.) Mars, Incorporated, Chicago, Ill. Filed Sept. 28, 1950, Serial No. 604,157.

"A MARS CONFECTION FOR EVERY CANDY TASTE"

Applicant claims ownership of Registrations Nos. 304,055, 308,938 and 316,733.
For Candy.
Claims use since 1937.

545,417. (Class 15. Oils and Greases.) Savings Oil Company, Tupelo, Miss. Original filed, act of 1946, Principal Register, Oct. 12, 1950; amended to application, Supplemental Register, May 8, 1951, Serial No. 604,810.

Fill-up with Savings

For Gasoline, Motor Oil, Diesel Fuel, Kerosene.
Claims use since July 1948.

545,418. (Class 39. Clothing.) Glenwear, Inc., New York, N. Y. Filed Nov. 3, 1950, Serial No. 605,855.

Christmas Belles that will Ring through Spring

For Ladies' and Misses' Blouses.
Claims use since Feb. 1, 1949.

TRADE-MARK REGISTRATIONS RENEWED

80,964. ABOL. Registered Feb. 14, 1911. E. A. White, Limited, Paddock Wood, England. Re-renewed Feb. 14, 1951, to Plant Protection Limited, Yalding, Kent, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Insecticide for Insects and Mildew on Plants and Trees. Class 6.

81,040. DEXTER. Registered Feb. 21, 1911. Wallace, Scott & Co., Limited, Glasgow, Scotland, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Re-renewed Feb. 21, 1951. Rainproof Coats, Capes, Jackets, Breeches, Hats, Caps, and Leggings. Class 39.

81,510. "DOLPH'S" AND OVAL DESIGN. Registered Apr. 18, 1911. John C. Dolph Co., Long Island City, N. Y. Re-renewed Apr. 18, 1951, to John C. Dolph Company, Monmouth Junction, N. J., a corporation of New York. Insulating Varnishes and Compounds. Class 21.

81,523. "ELK BRAND" AND REPRESENTATION OF ELK AND DESIGN. Registered Apr. 18, 1911. The Great Western Cereal Company. Re-renewed Apr. 18, 1951, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Cornmeal. Class 46.

81,548. REDBROOK. Registered Apr. 18, 1911. The Redbrook Tinplate Co. Limited, London, England. Renewed Apr. 18, 1951, to The Redbrook Tinplate Co. Limited, Pontnewydd, England, a limited liability company registered under the laws of Great Britain. Tin, Terne, Zinc and Black Plates. Class 14.

81,700. "SHEEP" AND DRAWING. Registered May 2, 1911. Haldens Taendstikfabrik, Fredrikshald, Norway. Re-renewed May 2, 1951, to Bryn & Halden Taendstikfabrikker Aktieselskab, Bryn, near Oslo, Norway, a joint stock company organized under the laws of Norway. Matches. Class 9.

81,701. REPRESENTATION OF TELEPHONE INSTRUMENTS ETC. Registered May 2, 1911. Haldens Taendstikfabrik, Fredrikshald, Norway. Re-renewed May 2, 1951, to Bryn & Halden Taendstikfabrikker Aktieselskab, Bryn, near Oslo, Norway, a joint stock company organized under the laws of Norway. Matches. Class 9.

82,124. WALTHAM. Registered May 30, 1911. Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts. Re-renewed May 30, 1951. Watches, Watchcases, Watch-Movements, and Parts Thereof. Class 27.

82,185. VANGUARD. Registered June 6, 1911. Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts. Re-renewed June 6, 1951. Watch-Movements, Watches, and Parts Thereof. Class 27.

82,219. IRONCLAD. Registered June 13, 1911. The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey. Re-renewed June 13, 1951. Storage-Battery Plates. Class 21.

82,507. FOULDS'. Registered July 4, 1911. The Foulds Milling Company, Cincinnati, Ohio, and Chicago, Ill. Re-renewed July 4, 1951, to Grocery Store Products Co., West Chester, Pa., a corporation of Delaware. Macaroni, Spaghetti, Vermicelli, and Noodles. Class 46.

82,875. ATLAS. Registered Aug. 1, 1911. The De Vilbiss Manufacturing Company. Re-renewed Aug. 1, 1951, to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio. Powder-Blowers, Atomizers, and Nebulizers. Class 44.

83,069. REPRESENTATION OF ANCHOR. Registered Oct. 15, 1911. Holzapfels Limited, Newcastle-upon-Tyne, England. Re-renewed Aug. 15, 1951, to International Paint Company, Inc., New York, N. Y., a corporation of New York. Anti-Corrosive and Anti-Fouling Paint, Mixed Paint, and Enamels. Class 16.

83,171. MECCANO. Registered Aug. 22, 1911. Meccano Limited, Liverpool, England. Re-renewed Aug. 22, 1951, to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland. Mechanical Toys. Class 22.

83,375. "CRESCENT" AND REPRESENTATION OF MOON. Registered Sept. 5, 1911. Voigt Milling Company, Grand Rapids, Mich., a corporation of Michigan. Re-renewed Sept. 5, 1951. All Kinds of Flour. Class 46.

83,689. CREAM. Registered Oct. 3, 1911. Price Baking Powder Company, Chicago, Ill. Re-renewed Oct. 3, 1951, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Baking Powder. Class 46.

279,413. OMO. Registered Jan. 13, 1931. Lever Brothers Company, Cambridge, Mass. Renewed Jan. 13, 1951, to Lever Brothers Company, New York, N. Y., a corporation of Maine. Preparation of Oxygen for Bleaching, Cleansing, and Purifying. Class 52.

280,620. FOREMOST. Registered Feb. 24, 1931. J. C. Penney Company, Wilmington, Del. Renewed Feb. 24, 1951, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Golf Balls, Golf Clubs, and Golf Bags. Class 22.

280,678. "CLIMAX" ETC. AND REPRESENTATION OF TOMATO. Registered Feb. 24, 1931. S. H. Levin's Sons, Philadelphia, Pa., a firm. Renewed Feb. 24, 1951. Canned Tomatoes. Class 46.

280,702. "GOLD SEAL" ETC., AND DRAWING. Registered Feb. 24, 1931. The Western Seed Company. Renewed Feb. 24, 1951, to The Western Seed Company, Denver, Colo., a firm. Field, Garden, Flower, Timothy, Alfalfa Seeds and Lawn-Grass Seeds. Class 1.

281,064. SYCOMORE. Registered Mar. 10, 1931. Chanel, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 10, 1951. Perfume. Class 51.

281,187. SONEETA. Registered Mar. 10, 1931. Lazare L. Mayer, New York, N. Y. Renewed Mar. 10, 1951, to Lazare L. Mayer, Chicago, Ill. Hair Nets, Silk Nets, Water-Wave Nets. Class 39.

281,813. QUINN-ATONE. Registered Mar. 31, 1931. Mrs. Hugh Quinn, Fort Worth, Tex. Renewed Mar. 31, 1951. Liquid Composition for Treating the Blood and the Digestive Organs. Class 18.

282,000. RICH-SOL. Registered Apr. 7, 1931. Sherwood Brothers Incorporated, Baltimore, Md., a corporation of Maryland. Renewed Apr. 7, 1951. Hydrocarbon Solvents for Cleansers, Dry Cleaning, and for Detergent Purposes. Class 52.

282,641. "IN-CEL-WOOD" ETC. AND DESIGN. Registered Apr. 28, 1931. Cornell Wood Products Company, Chicago, Ill., a corporation of Wisconsin. Renewed Apr. 28, 1951. Fiber Thermal Insulating Board. Class 12.

282,652. "BARCLAY" AND DESIGN. Registered Apr. 28, 1931. The Urman-Burger Hat Mfg. Co., Cleveland, Ohio, a corporation of Ohio. Renewed Apr. 28, 1951. Men's Hats. Class 39.

282,832. "HAPPY-GO-LUCKIES". Registered May 5, 1931. The American Tobacco Company, New York, N. Y., a corporation of New Jersey. Renewed May 5, 1951. Place Cards, Decorative Cards, Cut-Out Cards, Etc. Class 38.

282,865. REPRESENTATION OF HACK-SAW BLADE LINED FOR BLUE. Registered May 5, 1931. E. C. Atkins and Company, Indianapolis, Ind., a corporation of Indiana. Renewed May 5, 1951. Hack-Saw Blades. Class 23.

283,211. REPRESENTATION OF CUTTER BLADE HAVING ITS BACK EDGE LINED FOR BLUE. Registered May 19, 1931. E. C. Atkins and Company, Indianapolis, Ind., a corporation of Indiana. Renewed May 19, 1951. Cutter Blades for Rotary Cutter Heads. Class 23.

283,415. ARROW. Registered May 26, 1931. Mente & Co., Inc., New Orleans, La., a corporation of Louisiana. Renewed May 26, 1951. Jute Bagging. Class 42.

284,033. KOLINEUM. Registered June 9, 1931. Koppers Products Company. Renewed June 9, 1951, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. Insecticides and Wood Preservatives. Class 6.

284,169. COLRON. Registered June 16, 1931. Ronuk, Limited, Portslade, near Brighton, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed June 16, 1951. Wood Stain. Class 16.

284,173. GWALTNEY'S VIRGINIA CURED HAM. Registered June 16, 1931. P. D. Gwaltney Jr. & Co., Inc., Smithfield, Va., a corporation of Virginia. Renewed June 16, 1951. Cured Meats—Namely, Hams. Class 46.

284,565. "FOSCO" AND DESIGN. Registered July 7, 1931. F. O. Schoedinger, Columbus, Ohio. Renewed July 7, 1951. Gas Heaters for Rooms, Etc., Automatic Gas Heated Hot-Water Systems. Class 34.

284,718. RĀMET. Registered July 7, 1931. Fansteel Products Company, Inc., assignor to Ramet Corporation of America. Renewed July 7, 1951, to Vascoloy-Ramet Corporation, North Chicago, Ill., a corporation of Delaware. Metal Working and Cutting Tools, Particularly, Boring Tools or Drills, Etc. Class 23.

285,008. "HARVARD BRAND" AND DRAWING LINED FOR RED. Registered July 14, 1931. New England Cranberry Sales Co., Middleboro, Mass., a corporation of Massachusetts. Renewed July 14, 1951. Fresh Cranberries. Class 46.

285,070. "SUPERLIFE" AND DESIGN. Registered July 14, 1931. St. Paul & Tacoma Lumber Co., Tacoma, Wash., a corporation of Washington. Renewed July 14, 1951. Shingles. Class 12.

285,089. SPIX. Registered July 14, 1931. Spratt's Patent (America) Limited, London, England, a corporation organized under the laws of the Kingdom of Great Britain. Renewed July 14, 1951. Dog Food. Class 46.

285,161. "DOUBLE CHECK" AND DESIGN. Registered July 14, 1931. Indianapolis Glove Company. Renewed July 14, 1951, to Indianapolis Glove Company, Inc., Indianapolis, Ind., a corporation of Indiana. Canvas Work Gloves. Class 39.

285,238. DIRSOF. Registered July 21, 1931. Ronuk, Limited, Portslade, near Brighton, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed July 21, 1951. Detergent Preparations for General Cleaning Purposes. Class 52.

285,452. "STATIONETTE" AND DRAWING. Registered July 28, 1931. Bennett Pumps Corporation. Renewed July 28, 1951, to John Wood Company, Muskegon Heights, Mich., a corporation of Delaware. Portable Liquid Dispensing Apparatus Including a Liquid Measuring Pump. Class 26.

285,453. "OLD PLANTATION" AND DRAWING LINED FOR RED, BLUE, YELLOW, AND PURPLE. Registered July 28, 1931. A. C. Legg Packing Co. Inc., Birmingham, Ala., a corporation of Alabama. Renewed July 28, 1951. Seasoning for Sausages, Meats, or Other Foods. Class 46.

285,486. REPEATER. Registered July 28, 1931. Brown & Williamson Tobacco Corporation, Louisville, Ky. Renewed July 28, 1951, to Peter J. Schweitzer, Inc., New York, N. Y., a corporation of New York. Cigarette Paper and Cigarette Paper Booklets. Class 8.

285,538. "EL CAMPEON" AND DRAWING LINED FOR RED, BLUE, BROWN AND YELLOW. Registered July 28, 1931. Pillsbury Flour Mills Company. Renewed July 28, 1951, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Wheat Flour. Class 46.

285,565. "EL CAMPEON" AND DRAWING LINED FOR RED AND YELLOW. Registered July 28, 1931. Pillsbury Flour Mills Company. Renewed July 28, 1951, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Wheat Flour. Class 46.

285,666. MACOTTA. Registered Aug. 4, 1931. The Maul Company. Renewed Aug. 4, 1951, to Maul Macotta Corporation, Detroit, Mich., a corporation of Michigan. Concrete Units for Use in Buildings and in Making Ornamental Walls. Class 12.

285,759. RONUK. Registered Aug. 4, 1931. Ronuk, Limited, Portslade, near Brighton, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Aug. 4, 1951. Floor Polish, Furniture Cream, Floor Dressing, and Motor Car Polish. Class 16.

285,819. "ROSSVILLE ALCOHOL" ETC. Registered Aug. 11, 1931. Rossville Commercial Alcohol Corporation, Lawrenceburg, Ind. Renewed Aug. 11, 1951, to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland. Ethyl Alcohol. Class 49.

285,900. CEMOWAX. Registered Aug. 11, 1931. Milwaukee Lubricants Co., Milwaukee, Wis. Renewed Aug. 11, 1951, to The Cellowax Company, Baltimore, Md., a corporation of Maryland. Liquid Floor Coating, Preservative, and Polish for Linoleum, Terrazzo, Tile, and Wood Surfaces. Class 16.

285,927. BOVINE. Registered Aug. 11, 1931. Southern Rice Sales Company, Inc. Renewed Aug. 11, 1951, to River Brand Rice Mills, Inc., New York, N. Y., a corporation of Delaware. Rice; Barley; Dried Peas, Beans, and Lentils; Coffee and Spices; Rice Flakes and Rice Flour. Class 46.

286,124. "OLD PLANTATION" AND DRAWING LINED FOR RED AND YELLOW. Registered Aug. 18, 1931. A. C. Legg Packing Co. Inc., Birmingham, Ala., a corporation of Alabama. Renewed Aug. 18, 1951. Seasoning for Sausages, Meats, or Other Foods. Class 46.

286,228. RICH-OR-POOR. Registered Aug. 25, 1931. The Urbana Laboratories, Urbana, Ill., a partnership. Renewed Aug. 25, 1951. Solution for Testing Soils for Acidity. Class 6.

286,678. FAIR MEADOW. Registered Sept. 1, 1931. The Fair, Chicago, Ill., a corporation of Illinois. Renewed Sept. 1, 1951. Linen Table Cloths, Napkins, Towels, Etc. Class 42.

286,729. "KOTEX" ETC. AND REPRESENTATION OF CONTAINER LINED FOR DARK BLUE OR PURPLE. Registered Sept. 1, 1931. Kotex Company. Renewed Sept. 1, 1951, to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware. Sanitary Napkins. Class 44.

286,815. MULE KICK. Registered Sept. 8, 1931. J. A. Sexauer Mfg. Co., Inc., New York, N. Y., a corporation of New York. Renewed Sept. 8, 1951. Closet Bowl Cleaner and Porcelain Cleaner and Polish. Class 4.

286,836. "NANTY FROCKS" AND DESIGN. Registered Sept. 8, 1931. NANTY FROCKS, INC. Renewed Sept. 8, 1951, to Charles W. Rendigs, doing business as Nanty Frocks, New York, N. Y. Afternoon and Evening Dresses and Dance Frocks. Class 39.

286,862. REPRESENTATION OF WOOLEN FABRIC WITH PARALLEL GREEN THREADS. Registered Sept. 8, 1931. Worumbo Manufacturing Company, Bath, Maine. Renewed Sept. 8, 1951, to Worumbo Manufacturing Company, Lisbon Falls, Maine, a corporation of Maine. Woolen Fabrics for Coats and Suits, Excluding All-Wool Textile Piece Goods Used Particularly To Make Interlinings for Silk Neckwear. Class 42.

286,900. THE AMERICAN ARCHITECT. Registered Sept. 8, 1931. International Publications, Inc. Renewed Sept. 8, 1951, to F. W. Dodge Corporation, New York, N. Y., a corporation of New York. Monthly Publication. Class 38.

287,057. SPORTSMAN. Registered Sept. 15, 1931. Gemsco, Inc. Renewed Sept. 15, 1951, to Gemsco, Inc., New York, N. Y., a corporation of New York. Riding Equipment and Accessories — Namely, Spurs, Spur Chains, and Spur Straps. Class 3.

287,147. KLEEN=N=HEAT. Registered Sept. 15, 1931. Ross Manufacturing Company, Kansas City, Mo., a corporation of Missouri. Renewed Sept. 15, 1951. Boiler Cleaning Compound. Class 52.

287,273. BEST & CO. Registered Sept. 15, 1931. Best & Co., New York, N. Y., a corporation of New York. Renewed Sept. 15, 1951. Men's, Women's, and Children's Hats, Caps, Shoes of Leather, Rubber, and Fabric, Etc. Class 39.

287,475. "LA CROSS" AND REPRESENTATION OF CROSS. Registered Sept. 29, 1931. Schnefel Bros., Inc. Renewed Sept. 29, 1951, to Schnefel Bros. Corporation, Newark, N. J., a corporation of New Jersey. Cuticle Remover in the Form of a Liquid Applicable to the Nails Tending To Remove the Cuticle, Etc. Class 51.

287,497. CORROLINE. Registered Sept. 29, 1931. International Compositions Company, Inc. Renewed Sept. 29, 1951, to International Paint Company, Inc., New York, N. Y., a corporation of New York. Ready Mixed Paints for Exteriors of Hulls of Ships of the Type Commonly Known as Topside Paints. Class 16.

287,570. LA CROSS. Registered Sept. 29, 1931. Schnefel Bros., Inc. Renewed Sept. 29, 1951, to Schnefel Bros. Corporation, Newark, N. J., a corporation of New Jersey. Tweezers for Dental, Surgical and Manicure Purposes; Etc. Class 44.

287,613. 7 IN 1 HEALING OIL. Registered Sept. 29, 1931. T. P. Downey, Birmingham, Ala. Renewed Sept. 29, 1951. Medicinal Preparation in Liquid Form for Both External and Internal Use in the Treatment of Rheumatism, Etc. Class 18.

287,704. "STANLEY" AND DESIGN. Registered Oct. 6, 1931. The Stanley Works, New Britain, Conn., a corporation of Connecticut. Renewed Oct. 6, 1951. Electric Tools Consisting in Drills, Hammers, Screw-Drivers, Grinders (Bench, Aerial, and Pedestal), Saws, Shears, and Sanders. Class 21.

287,730. HYDROVEYOR. Registered Oct. 6, 1931. United Conveyor Corporation, Chicago, Ill., a corporation of Illinois. Renewed Oct. 6, 1951. Conveyors and Conveying Systems Comprising Conduits Through Which Granular and Comminuted Material Is Transported, Etc. Class 23.

TRADE-MARK REGISTRATIONS CANCELED AND SURRENDERED

366,729. NOVACELL. Registered Apr. 25, 1939. Gottesman and Company, Incorporated, New York, N. Y. Wood Pulp. Class 1. Canceled June 20, 1951. (Sec. 7(d).)

405,705. COUNTY FAIR. Registered Feb. 15, 1944. The South Coast Corporation, New Orleans, La. Sugar Cane Syrup. Class 46. Canceled June 15, 1951. (Canc. No. 5578.)

419,483. "UNITED FARMERS PARTY PAK" AND DESIGN. Registered Feb. 19, 1946. United Farmers Dairy Stores, Inc., Boston and Charlestown, Mass. Ice Cream. Class 46. Canceled June 15, 1951. (Canc. No. 5670.)

438,972. "MADE BY THE CHOCOLATE MAN" AND DESIGN. Registered May 25, 1948. The Chocolate Man, Inc., New York, N. Y. Candies. Class 46. Canceled June 15, 1951. (Canc. No. 5516.)

504,223. SONG OF SONGS. Registered Nov. 23, 1948. Wolff Freres, Inc., New York, N. Y. Perfumes, Eau de Cologne, Bath Essences and Bath Oils, Bath Salts, Face Powders, Face Creams, Etc. Class 51 (formerly Class 6). Canceled June 15, 1951. (Sec. 18.)

519,146. WINTHROP. Registered Dec. 20, 1949. Winthrop Jewels, Inc., New York, N. Y. Watches. Class 27. Canceled June 15, 1951. (Canc. No. 5545.)

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

211,665. "YELLOWSTONE" AND DRAWING. Registered Apr. 13, 1926. Paxton & Gallagher Co., Omaha, Nebr. Canned Peas, Canned Peaches, Spices, Stuffed Olives, Cider Vinegar, Etc. Class 46. Amended as follows: In the statement, line 12, "rice," is deleted.

429,503. "KELLOGG KOILED KORD" AND DESIGN. Registered Apr. 29, 1947. Kellogg Switchboard and Supply Company, Chicago, Ill. Extensible Electrical Cords. Class 21. Disclaimed as follows: 'Kellogg Switchboard and Supply Company, a corporation of Illinois, the owner of Trade-Mark 429,503, registered April 29, 1947, "KELLOGG KOILED KORD", hereby disclaims from the said registered mark the words "KOILED KORD" apart from the expression "KELLOGG KOILED KORD".'

541,883. "WARNING PROTECTED BY PINKERTON'S NATIONAL DETECTIVE AGENCY, INC." AND DESIGN. Registered May 1, 1951. Pinkerton's National Detective Agency, Inc., New York, N. Y. Private Detective Investigations and Property Surveillance. Class 100. Corrected as follows: In the certificate, line 3, second occurrence; and in the statement, line 3, "New York" should be *Delaware*.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 283,059. Registered May 12, 1931. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Republished by registrant.

DULUX

For Resins.
Claims use since Oct. 10, 1929.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 344,546. Registered Mar. 30, 1937. Curtis J. Harwick, doing business as Standard Chemical Company, Akron, Ohio. Republished by Harwick Standard Chemical Company, Akron, Ohio, a corporation of Ohio.

LUBREX

For Adhesion-Preventing Material for Rubber-Vulcanizing Molds, Sold in Powdered Form.
Claims use since about Jan. 1, 1936.

Reg. No. 351,555. Registered Nov. 2, 1937. Curtis J. Harwick, doing business as Standard Chemical Company, Akron, Ohio. Republished by Harwick Standard Chemical Company, Akron, Ohio, a corporation of Ohio.

PLASTONE

The drawing is lined for blue.
For Adhesion-Preventing Material for Rubber-Vulcanizing Molds, Sold in the Form of a Paste for Plasticizing Rubber.
Claims use since about Apr. 23, 1937.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 283,712. Registered June 2, 1931. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Republished by registrant.

DULUX

For Wood Stains, Fillers, Dry Colors—Namely, Dry Aniline Wood-Stain Powders, Prepared Shellac, Varnishes, Paint Thinners, Paint Enamels, Lacquers.
Claims use since Aug. 9, 1928.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 324,648. Registered May 28, 1935. Zip Sales Corporation of New York, New York, N. Y., assignor to Jean Jordeau, Inc., South Orange, N. J. Republished by Jean Jordeau, Inc., South Orange, N. J., a corporation of New Jersey.

ZiP

For Pharmaceutical Preparations for the Treatment of Epidermophytosis, Golfer's Itch, Gym Foot, Athlete's Foot, Ringworm, Itching Feet and Toes, Eczema of the Feet, and Other Skin Ailments.
Claims use since July 1931.

CLASS 39

CLOTHING

Reg. No. 261,944. Registered Apr. 7, 1931. Branigan, Green & Company, Baltimore, Md., a firm. Republished by registrant.

"Good Game"

For Men's, Women's, and Children's Drawers, Middy Blouses, Pajamas, Union Suits, and Undershirts Made of Textile Fabric; Men's and Children's Nightshirts; Men's Dress, Negligee, and Work Shirts; Women's and Children's Blouses, Dresses, Middy Suits, Nightgowns, Petticoats, Over and Under Skirts; Women's Brassières, Chemises, Kimonos, Negligees, Shirt Waists, Undervests, and Wrappers; and Children's Rompers; Also for Athletic and Gymnasium Wearing Apparel Comprising Shirts, Shorts, Tunics, Gym Blouses, Bloomers, Overalls, Pants, Trunks, and Rompers.
Claims use since Sept. 25, 1930.

Reg. No. 350,501. Registered Sept. 28, 1937. N. Fluegelman & Co., Inc., New York, N. Y. Republished by Fluegelman-Riverdale, Inc., New York, N. Y., a corporation of New York.

Her Ladyship

For Dresses for Women and Misses.
Claims use since Oct. 22, 1929.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 267,045. Registered Feb. 11, 1930. N. Fluegelman & Co., Inc., New York, N. Y. Republished by Fluegelman-Riverdale, Inc., New York, N. Y., a corporation of New York.

Her Ladyship

For Goods in the Piece of Silk, Rayon, Cotton, Wool, and Linen, Woven, Netted, or Knitted and/or Combinations Thereof.
Claims use since June 24, 1929.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 261,005. Registered Sept. 3, 1929. Porterville Grape Association, Porterville, Calif., a co-partnership. Republished by registrant.

SUNBRIGHT

For Fresh Deciduous Fruits—Namely, Grapes.
Claims use since Aug. 1, 1926.

Reg. No. 262,241. Registered Oct. 1, 1929. Coast Fishing Co., Wilmington, Calif. Republished by Pan Pacific Fisheries, Inc., Terminal Island, Calif., a corporation of California.

Lucky Strike

For Canned Fish.
Claims use since June 14, 1923.

Reg. No. 279,334. Registered Jan. 13, 1931. Psaki Brothers, Philadelphia, Pa., a firm. Republished by registrant.

ALBOR

For Catsup, Chicken a la King, Chicken Broth, Chile Con Carne, Chile Sauce, Cheese, Chop Suey, Clam Chowder, Chopped Fruits, Chocolate, Condensed Milk, Corn Meal, Crackers, Cranberry Sauce, Dried Apples, Dried Beans, Farina, Wheat Flour, Honey Jams, Invalid Broth, Jellies, Macaroni, Malt Syrup, Molasses, Olive Oil, Olives, Shelled Nuts, Pimientos, Sugar, Tomato Paste, Plum Pudding, Pickle Relishes, Fruit Preserves, Salad Dressing, Vinegar, Welsh Rarebit; Canned Products—Namely, String Beans, Chick Peas, Coffee, Lima Beans, Peas, Plums, Sugar Corn; Canned Fish—Namely, Clams, Lobsters, Oysters, Salmon, Shrimps, Tuna Fish in Pure Olive Oil; Canned Vegetables—Namely, Carrots, Mixed Vegetables, Okra (Whole), Okra in Tomatoes, Pumpkin, Red Beans, Squash, and Sweet Potatoes.

Claims use since Mar. 8, 1930.

Reg. No. 389,587. Registered Aug. 12, 1941. A. Goodman & Sons, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Noodleman

For Soup Mix.
Claims use since Mar. 5, 1941.

Reg. No. 389,588. Registered Aug. 12, 1941. A. Goodman & Sons, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



For Soup Mix.
Claims use since Mar. 5, 1941.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 180,521. Registered Mar. 4, 1924. Jean Jordeau, Inc., South Orange, N. J. and New York, N. Y., a corporation of New Jersey. Republished by registrant, present address South Orange, N. J.

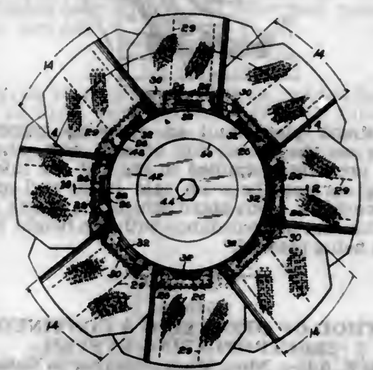
EPILATOR

For Depilatory.
Claims use since June 1, 1923.

REISSUES

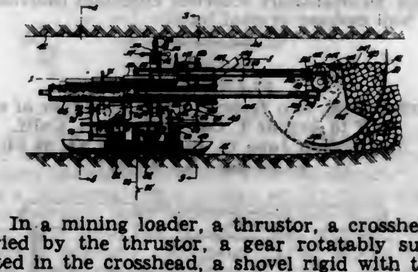
JULY 17, 1951

23,391
ROTARY ABRADING TOOL
Elisha W. Hall, Scituate, Mass.
Original No. 2,462,741, dated February 22, 1949, Serial No. 652,263, March 6, 1946. Application for reissue August 1, 1950, Serial No. 177,109
12 Claims. (Cl. 51—193)



10. In an abrading wheel in combination with a supporting disk having projections adjacent its periphery at either radial face thereof extending outwardly substantially parallel to the axis, abrading material carried by the disk comprising at least one abrading element comprising a number of plies of abrading material, the element having spaced openings at its inner side and being cut away between said openings, successive openings being engaged with projections on opposite sides of the disk, the element crossing the edge of the disk between said projections with the said edge entering the cut away portion between the openings, the intermediate portion of the abrading element extending in an indirect path between said points of engagement of the said openings with said projections.

23,392
LOADING MACHINE
John B. McDade, Scranton, Pa.
Original No. 2,441,581, dated May 18, 1948, Serial No. 609,551, August 8, 1945. Application for reissue May 17, 1949, Serial No. 93,801
50 Claims. (Cl. 214—137)



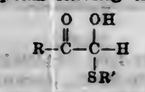
1. In a mining loader, a thrustor, a crosshead carried by the thrustor, a gear rotatably supported in the crosshead, a shovel rigid with the gear, a check rod, a guide for the check rod, a rack engaging with the gear and carried by the end of the check rod, adjustable stop means for limiting the movement of the check rod, means for projecting the thrustor, crosshead and shovel forward until the check rod is stopped and for further advancing the thrustor, crosshead and shovel as the shovel is raised by turning the gear on the rack, and means for retracting the thrustor, crosshead and shovel.

PATENTS

GRANTED JULY 17, 1951

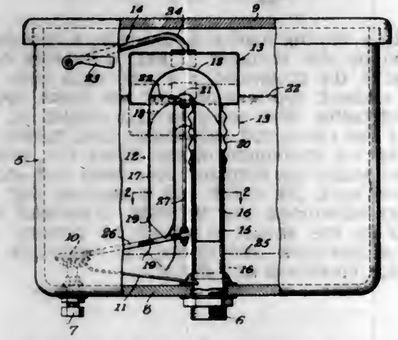
2,560,531
HEMIMERCAPTALS
Frank Kipnis, Morris Plains, and John Ornfelt, Morristown, N. J., assignors, by mesne assignments, to American Home Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application August 22, 1947, Serial No. 770,178
8 Claims. (Cl. 260—332.3)

1. Hemimercaptals having the formula:



in which R and R' are radicals selected from the class consisting of alkyl, aryl, aralkyl, alkaryl, alkoxyaryl, furyl, thienyl, alkyl furyl and alkyl thienyl radicals, said hemimercaptals being solid, substantially colorless chemical individuals of well defined crystal habit.

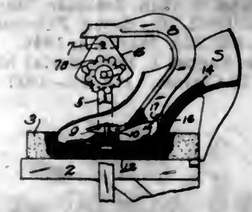
2,560,532
FLUSH TANK
Parker Cole, San Gabriel, Calif., assignor of one-half to Arthur T. Cole, Alhambra, Calif.
Application June 11, 1949, Serial No. 98,449
4 Claims. (Cl. 4—47)



1. In a flush tank, an extensible siphon comprising a stand pipe terminating in a bottom discharge, a siphon discharge leg telescopically engaged with said stand pipe, a siphon inlet leg, a bend connecting the upper ends of said legs, means connecting the stand pipe and discharge leg to seal between the same, a float carried by said legs and bend to buoyantly hold the bend above the level of water in the tank, and manual means to depress the float and thereby telescopically slide the discharge leg relative to the stand pipe to contract the siphon and depress said bend below said water level for starting siphoning of the water in the tank.

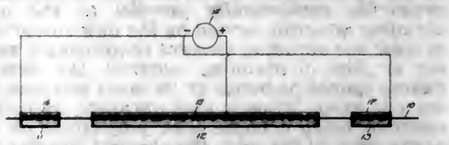
2,560,533
SHOE PRESS LAST STRUCTURE
Ernest Dunford, St. Louis, Mo., assignor to Landis Machine Company, St. Louis, Mo., a corporation of Missouri
Application August 15, 1949, Serial No. 110,345
2 Claims. (Cl. 12—33)

1. In a shoe press last, a sole plate and a shank plate hinged to each other, a hold-down arm, means to hold said sole plate to said arm but permitting relative sliding movement between opposing surfaces thereof longitudinally of the last, the arm surface being convex and adapted to engage a portion of the sole plate surface, a single upstanding transverse ridge on the upper side of



said shank plate, and an opposing transverse groove on the lower side of said arm whereby when pressure is applied to the last the interengaging surfaces between said ridge and groove will provide a pivot about which the shank plate may fulcrum in accordance with the height of the shank being pressed.

2,560,534
METHOD OF OPERATING A CONTINUOUS ELECTROPLATING SYSTEM
Orville E. Adler, Niles, Mich., assignor to National-Standard Company, a corporation of Michigan
Application July 12, 1946, Serial No. 683,096
1 Claim. (Cl. 204—28)



A method of electroplating a continuous zinc coated steel base which comprises passing said base through a plating bath of cyanide and copper in which the base is a cathode of an electric circuit, and thereafter passing said base through a second bath of cyanide and copper in which the metal base is an anode of said circuit, maintaining the base free from any solid electric contact during its passage through said baths, regulating the current density in the plating bath to give an efficient plating operation, and establishing a very high current density in the second bath whereby only very slight electrolytic removal of plated metal occurs in said bath.

2,560,535
TOBACCO POUCH
Howard G. Allen, Niagara Falls, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application March 5, 1946, Serial No. 652,070
2 Claims. (Cl. 229—76)

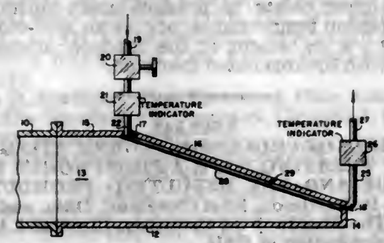
1. A pouch or container made of flexible sheet material having opposed marginally secured side walls, said pouch being open at one end to provide a mouth for said pouch, one of said walls projecting materially beyond the other wall at said mouth to form a flap foldable over said mouth,

an insert of flexible sheet material of V-shape having opposed legs connected by a crease, said insert having the outer faces of the legs thereof secured throughout to the opposed inner faces of said pouch with their marginal edges within and adjacent the extremities of said pouch mouth and the crease between said legs positioned in and



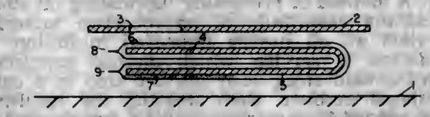
remote from said mouth to close the same, said pouch being opened by disrupting said crease with said insert legs remaining attached to and within said pouch, whereby said pouch has a smooth margined mouth over which said flap may be folded both before and after said pouch has been opened.

2,560,536
HIGH-FREQUENCY POWER MEASURING DEVICE, INCLUDING A WATER LOAD
Charles F. Althouse, San Diego, Calif.
Application March 23, 1948, Serial No. 16,601
3 Claims. (Cl. 171—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



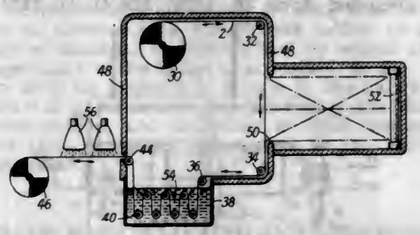
1. A water load for measuring the power of electromagnetic energy comprising a hollow rectangular member of predetermined length having electromagnetic energy transmission characteristics, means applying electromagnetic energy to said member, said member including a surface inclined at a predetermined angle with respect to the electric vector of said energy, means establishing constant water flow within said member over said surface, said predetermined angle being equal to an angle establishing zero reflection between the electric vector of said energy and the surface of said water and means determining power of said energy as a function of temperature variations of said water.

2,560,537
DEFROSTING INDICATOR
Ariel A. Andersen, Albany, Calif., assignor to the United States of America as represented by the Secretary of Agriculture
Application July 8, 1949, Serial No. 103,661
10 Claims. (Cl. 99—192)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



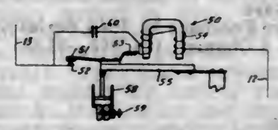
1. A defrosting indicator comprising a strip of paper encased in a transparent tube, said encased strip being folded upon itself whereby to crimp said tube upon said strip thus to divide it into a first portion and a second portion and to substantially prevent movement of liquids from one portion to another except by diffusion through said paper, a cover providing means for attaching said strip to a package, an opening in said cover, said opening giving visibility to a part of said first portion, a dyestuff and an organic solvent being deposited on said second portion.

2,560,538
APPARATUS FOR MAKING STEREOSCOPIC PICTURES
Waldemar A. Ayres, Kew Gardens Hills, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application October 2, 1944, Serial No. 556,736
4 Claims. (Cl. 88—29)



1. In apparatus for producing a sheet for use in forming stereoscopic pictures, the combination of, means to move through an exposing zone a sheet having lenticulations on one side and having a light-responsive coating on the other side, a concentrated light source positioned so as to direct light onto the sheet in said exposing zone from a position corresponding to the position which one eye would occupy during binocular viewing of a stereoscopic picture later to be formed on the sheet thereby to expose selected areas of said layer in definite fixed relation to the lenticulations, and means to remove the unexposed areas of the layer.

2,560,539
PERIODIC INTERRUPTER FOR DIRECTION SIGNALS WITH VOLTAGE COMPENSATION
Benjamin F. Bailey, Ann Arbor, Mich., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio
Original application September 25, 1944, Serial No. 555,717. Divided and this application July 11, 1947, Serial No. 760,393
3 Claims. (Cl. 177—337)



1. An electro-responsive circuit interrupter device adapted to be interposed between a source of energy and the illuminating devices of a direction signaling system for automobiles, said interrupter including an electro-magnet having a winding adapted to be connected on one side to the source of energy and on the other side with the movable contact of said interrupter, a condenser connected across the contacts of said interrupter having one end connected to the winding and the other end connected to the outlet lead from said

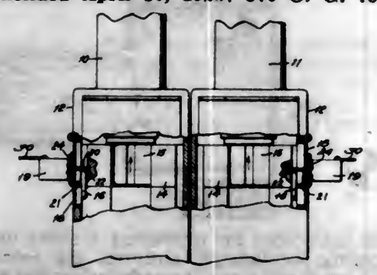
interrupter, an armature actuated by the energization of said winding to operate said movable contact to circuit open position, a spring means to move the armature in the opposite direction to operate the movable contact to circuit closing position, fluid damping means connected to said armature to retard the vibration of the movable contact, and a manually operated control to vary at will the action of said fluid damping means to change the periodicity of the vibration of the movable contact of said interrupter and compensate for voltage variations in the system.

2,560,540

GUN SYNCHRONIZING APPARATUS

Seymour J. Barr, Aberdeen, Md.

Application March 4, 1947, Serial No. 732,367
9 Claims. (Cl. 89—133)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



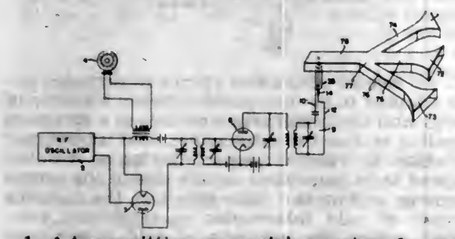
1. The combination with a gun installation comprising a plurality of guns adapted for automatic firing, each gun having a breechblock, a breechblock operating member movable to automatically open the breechblock and a firing mechanism operated by movement of the breechblock to fully closed position, of a gun synchronizing device comprising a detent normally in the path of the breechblock operating member of each gun to interrupt the closing movement of each breechblock at a point immediately in advance of its fully closed position, and means to simultaneously withdraw said detents from the paths of the respective breechblock operating members of the guns in response to all breechblocks reaching said point in their closing movements, whereby the breechblocks will complete their closing movements and operate their firing mechanisms in unison.

2,560,541

ELECTROMAGNETIC-HORN APPARATUS

Wilmer Lanier Barrow, Manhasset, N. Y., assignor, by mesne assignments, to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware

Application February 19, 1946, Serial No. 648,769
5 Claims. (Cl. 250—33.53)



1. A transmitting or receiving system for radio waves comprising a plurality of electromagnetic horns disposed in a space array, separate wave guides of unequal length connecting each of said horns to common apparatus, and means for exciting electromagnetic waves for transmission from the common apparatus to the horns or for absorbing electromagnetic waves received by the common apparatus from the horns, whereby a desired asymmetrical radiation pattern is obtained.

2,560,542

CLEAN-BURNING CARBONACEOUS COMPOSITIONS

John D. Bartleson, East Cleveland, and Everett C. Hughes, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application June 7, 1947, Serial No. 753,362
4 Claims. (Cl. 252—32.7)

1. A lubricating composition which is relatively clean-burning and also relatively stable against oxidative deterioration at temperatures in the range of room temperature to crankcase temperatures, comprising a mineral lubricating oil as the essential and primary component having dispersed therein an amount within the range of 0.25 to 0.50% by weight of chromium naphthenate and an amount within the range of 0.25 to 0.50% by weight of a carboxylate salt selected from the group consisting of manganese naphthenate and copper oleate, to promote clean-burning at combustion temperatures, and as an anti-oxidant about 1% by weight of the reaction product of P_2S_5 with hydrogenated sperm oil.

2,560,543

METHOD OF PROCESSING LUBRICATING OIL BY TREATING WITH A PHOSPHORUS SULFIDE AND THE RESULTING PRODUCTS

John D. Bartleson, East Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 29, 1948, Serial No. 30,203
22 Claims. (Cl. 252—46.6)

1. A method of processing lubricating oil stock consisting essentially of hydrocarbon material to yield an oil having improved inhibition to oxidation in service, which method comprises treating said stock with an amount in the range of about 0.1 to about 0.75% by weight of a phosphorus sulfide at a temperature in the range of 275° to 450° F.

12. A lubricant prepared by the process of claim 1.

2,560,544

METHOD OF PROCESSING LUBRICATING OIL BY TREATING WITH SULFURIC ACID, A PHOSPHORUS SULFIDE AND CLAY, AND THE RESULTING PRODUCT

John D. Bartleson, East Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 29, 1948, Serial No. 30,204
20 Claims. (Cl. 252—46.6)

1. A method of processing lubricating oil stock consisting essentially of hydrocarbon material to yield an oil having improved inhibition to oxidation in service, which method comprises treating said stock with sulfuric acid in a conventional manner, then treating the resulting acid-refined hydrocarbon with an amount in the range of about 0.1 to about 0.75% by weight of a phosphorus sulfide at a temperature in the range of about 275° to 450° F., and including a separate clay-treating step subsequent to the acid-refining step.

2,560,545

METHOD OF PROCESSING LUBRICATING OIL BY SOLVENT-EXTRACTION AND TREATING WITH A PHOSPHORUS SULFIDE AND CLAY AND THE RESULTING PRODUCTS

John D. Bartleson, East Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 29, 1948, Serial No. 30,205
8 Claims. (Cl. 252—46.6)

1. A method of processing lubricating oil stock consisting essentially of hydrocarbon material to yield an oil having improved inhibition to oxidation in service, which method comprises solvent-refining said stock, treating the resulting solvent-refined hydrocarbon with an amount of a phosphorus sulfide in the range of about 0.1 to about 0.75% by weight at a temperature in the range of about 275° to 450° F., and then treating the resulting product with clay.

2,560,546

METHOD OF PROCESSING SOLVENT-EXTRACTED LUBRICATING OIL BY TREATING WITH PHOSPHORUS PENTASULFIDE AND A BASE AND THE RESULTING PRODUCTS

John D. Bartleson, East Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 29, 1948, Serial No. 30,206
8 Claims. (Cl. 252—32.7)

1. A method of further processing solvent-extracted lubricating oil stock consisting essentially of hydrocarbon material to yield an oil having improved inhibition to oxidation in service, which method comprises treating said stock with an amount of phosphorus pentasulfide in the range of about 0.1 to about 0.75% by weight at a temperature in the range of about 275° to 450° F., and then with an amount of a base in the range of about 0.25 to 6.0 equivalents per mol of the phosphorus pentasulfide.

5. A lubricant obtained by the process of claim 1.

2,560,547

METHOD OF PROCESSING LUBRICATING OIL BY TREATING WITH SULFURIC ACID, A PHOSPHORUS SULFIDE AND A BASE AND THE RESULTING PRODUCTS

John D. Bartleson, East Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 29, 1948, Serial No. 30,207
18 Claims. (Cl. 252—32.7)

1. A method of processing lubricating oil stock consisting essentially of hydrocarbon material to yield an oil having improved inhibition to oxidation in service, which method comprises treating said stock with sulfuric acid in a conventional manner, then treating the resulting acid-refined hydrocarbon with an amount of a phosphorus sulfide in the range of about 0.1 to about 0.75% by weight at a temperature in the range of about 275° to 450° F., then with an amount of a base in the range of about 0.25 to 6.0 equivalents per mol of the sulfide, and including at least one separate clay-treating step subsequent to the acid-refining step.

2,560,548

METHOD OF PROCESSING SOLVENT-EXTRACTED LUBRICATING OIL BY TREATING WITH A PHOSPHORUS SULFIDE, A BASE AND CLAY AND THE RESULTING PRODUCTS

John D. Bartleson, East Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application May 29, 1948, Serial No. 30,208
14 Claims. (Cl. 252—32.7)

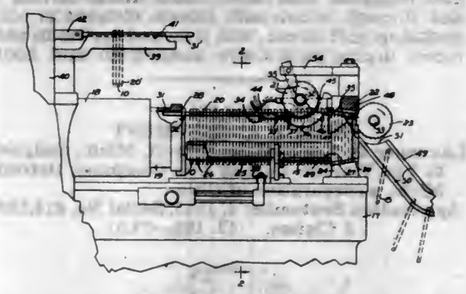
1. A method of further processing solvent-extracted lubricating oil stock consisting essentially of hydrocarbon material to yield an oil having improved inhibition to oxidation in service, which method comprises treating said stock with an amount of a phosphorus sulfide in the range of about 0.1 to about 0.75% by weight at a temperature in the range of about 275° to 450° F., then with an amount of a base in the range of about 0.25 to 6.0 equivalents per mol of the phosphorus sulfide, and including at least one separate clay treatment subsequent to the sulfide treatment.

2,560,549

PISTON RING SPLITTING AND TRIMMING MACHINE

Albert H. Bates, Rockford, Ill., assignor to Burd Piston Ring Company, Rockford, Ill., a corporation of Illinois

Application January 1, 1945, Serial No. 570,999
6 Claims. (Cl. 29—33)



5. In the manufacture of split piston rings or the like, a support slidably supporting as a tube a plurality of closed piston ring blanks in stacked relation face to face, whereby all of said blanks are held positioned normal to an axis of operation by tight contact of their opposed faces with neighboring blanks in the stack, means for moving the stack axially at a feed rate relative to said support, cutter means intermediate the ends of said support for cutting gaps in the closed blanks in the forward feed movement of the stack, guide means extending lengthwise relative to said support in close posterior relation to said cutter means and aligned therewith so as to enter the ring gaps made by said cutter means and prevent rotation of the rings and maintain the gaps in alignment during the further forward feed movement of the stack, a sizing ring at the outer end of said support having an inwardly flared entrance end arranged to receive split rings in the forward feed movement of the stack, the split rings being compressed radially in said sizing ring in the for-

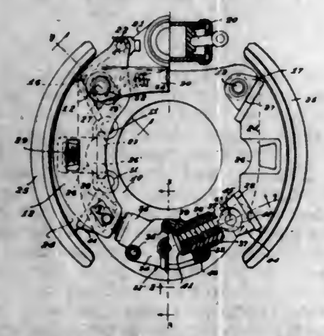
ward feed movement, whereby the gaps cut by the aforesaid cutter means are substantially reduced in width, and a cutter at the outlet end of said sizing ring in alignment with and closely adjacent the outer end of said guide means so as to be operable in the gaps and of a thickness slightly greater than the width of the reduced ring gap to mill the gaps in the rings all to a predetermined width before the rings are discharged from the sizing ring.

2,560,550
SNAP HOOK
Edmond T. Blazewicz, Chicago, Ill.
Application December 2, 1949, Serial No. 130,714
3 Claims. (Cl. 24—234)



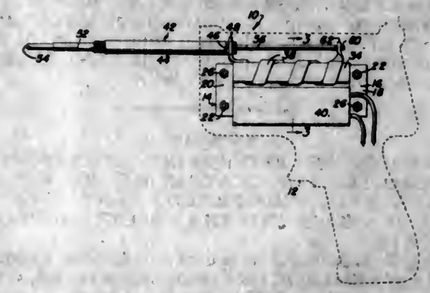
1. A snap hook comprising an elongated shank having a hook formed at one end thereof and being provided with a recess, a latch pivotally mounted in said recess and a spring in said recess yieldingly urging said latch into a position closing said hook, a sleeve embracing and slidable on said shank, means responsive to movement of said sleeve towards said hook to open said latch including a release element slidable in said recess and engaging said latch, said shank having a slot through which said release element is connected to said sleeve, and a second spring in said recess urging said sleeve away from said hook.

2,560,551
BRAKE ADJUSTMENT
Lawrence R. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application September 4, 1945, Serial No. 614,109
5 Claims. (Cl. 188—79.5)



1. In a brake assembly, two brake levers mounted on spaced pivots at their lower ends and connected by an actuator at their upper ends, two oppositely extending members each supporting one of said pivots and each having an arcuate bearing head on one end, means mounting said members for adjustment in intersecting paths, two brake shoes in said assembly each rockably and slidably connected to one of said levers, pivoted abutments in said assembly having flat sliding engagement with the opposite ends of each of said brake shoes, the lower two of said abutments being rockably mounted on the arcuate bearing head of said pivot support members and having flat brake shoe engaging surfaces that are intersected by the paths of adjustment of the respective pivot support members, and means operatively connected to said pivot support members for simultaneously adjusting said members equally and in opposite directions for shifting said pivots to adjust said shoes relative to a brake drum.

2,560,552
SOLDERING GUN
Joseph L. Caliri, Orange, N. J., assignor, by mesne assignments, to Caliri Manufacturing Co., Inc., Lawrence, Mass., a corporation of Massachusetts
Application June 29, 1949, Serial No. 102,113
2 Claims. (Cl. 219—26)



1. In a soldering gun, the combination of a coiled strap affording a path for the secondary circuit of a step-down transformer and having a pair of spaced parallel end portions provided with coaxial apertures, a tubular outer electrode member having one end portion thereof secured in the aperture of one end portion of said strap, an elongated and hollow head provided at the free end of said outer electrode member and having a closed work engaging end, a rod shaped inner electrode member secured at one end thereof in the aperture of the second end portion of said strap and extending axially in said outer member in spaced relation therefrom, the free end portion of said inner electrode member extending axially in said head and abutting the closed work-engaging end of the latter for electrical connection therewith, and a tubular insulating sleeve positioned on the inner electrode member to electrically isolate the same from the outer member and from all but the free end portion of said head.

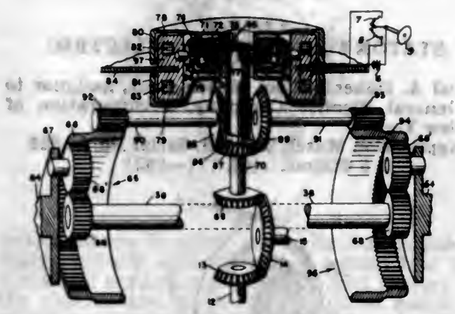
2,560,553
DENTAL MATRIX CLAMP
Donald R. Christie and Merton M. Bottemiller, Wadena, Minn.
Application March 17, 1949, Serial No. 81,876
15 Claims. (Cl. 32—63)



1. A matrix clamp comprising a body member having a plurality of pairs of normally parallel guides, said body member being cut away at least between each pair of guides to provide a plurality of openings, said openings being slightly wider

than a conventional matrix ribbon to permit the looping of a single matrix ribbon through said openings to form a plurality of loops for embracing teeth, and means carried by said body member and adapted to engage at least one end of such a ribbon to tension the same simultaneously about a plurality of teeth.

2,560,554
DIFFERENTIAL DRIVE GEARING AND ELECTRODYNAMIC BRAKE CONTROL THEREFOR
Joseph M. Colby, Grosse Pointe, Mich.
Application March 5, 1945, Serial No. 581,013
11 Claims. (Cl. 74—674)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a motor vehicle having an engine and a pair of ground engaging drive members on opposite sides of the vehicle, an input shaft driven by the engine, a drive shaft, a speed change unit connected to drive said drive shaft and operable to vary the speed ratio between said input and drive shafts, a hydraulic torque converter for transmitting torque from said input shaft to said speed change unit, differential means connecting said drive shaft to said ground engaging drive members, and electrodynamic braking means arranged to vary the speed of one side of said differential means to steer the vehicle.

2,560,555
REDUCTION OF ORGANIC NITRO COMPOUNDS TO AMINES
Paul C. Condit, Berkeley, Calif., assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 18, 1943, Serial No. 499,111
29 Claims. (Cl. 260—580)

1. A process which comprises forming an amine by hydrogenating the nitro group of an organic nitro compound, and catalyzing said reaction at a temperature of from about 350 to 700° F. with a compound selected from the group consisting of sulfides of vanadium, columbium, tantalum, chromium, molybdenum and tungsten.

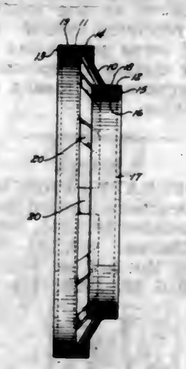
2,560,556
MULTIPURPOSE CAMERA SUPPORT
Neil J. Creedon, Glens Falls, N. Y.
Application September 6, 1946, Serial No. 695,265
3 Claims. (Cl. 248—216)

1. A multi-purpose support for cameras, provided with a camera carrying swivel ball and a socket, consisting of two pivotally connected, ball clamping members with foot portions encircling each other comprising a disk provided with a screw threaded bore adapted to cooperate with a tripod, fixed to the foot portion of one of said members at an angle with respect to the longitudinal axis of the ball socket carrier, a tube fixed on said disk within the foot portion of one



ball socket camera member, reaching the outside through a hole in the wall of the same, said tube being provided with a screw threaded interior, a stem provided with a tapering screw at one end and with a screw threaded portion at the other end adapted to be screwed into the tube and a winged lock nut separately movable on said screw threaded end engaging the tube for fixing said stem in said ball socket carrier.

2,560,557
END FACE OIL AND DIRT SEAL
George W. Curtis, Wauwatosa, Wis.
Application August 5, 1947, Serial No. 766,339
16 Claims. (Cl. 288—2)

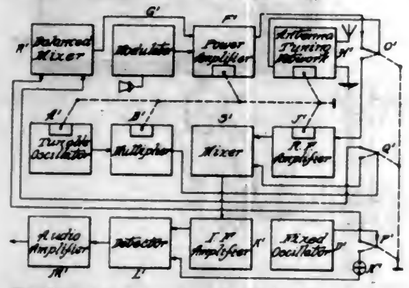


9. A sealing device comprising an annular diaphragm of flexible material, said diaphragm having an annular flange forming a first sealing ring projecting therefrom and having another annular flange forming a second sealing ring and of less diameter than said first flange also projecting therefrom, and an annular reinforcing member having relatively rigid, continuous ring shaped flanges connected to and positioned in reinforcing relationship with respect to said sealing rings to stiffen and reinforce the latter against radial deflection and having an axially yieldable portion connecting said ring shaped flanges, said sealing rings having end edges forming sealing faces.

2,560,558
RADIO TRANSMITTING AND RECEIVING COMBINATION

Frank M. Davis, deceased, late of Cedar Rapids, Iowa, by Jane Elizabeth Davis, executrix, Cedar Rapids, Iowa, assignor to Collins Radio Co., a corporation of Iowa

Original application August 11, 1944. Serial No. 548,978. Divided and this application July 24, 1946, Serial No. 685,934
4 Claims. (Cl. 250—13)

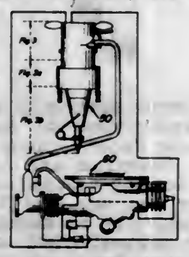


1. Radio apparatus of the character described, including: variable wave generating means for providing desired waves of an initial frequency variable over a predetermined range; displacing means operative upon said waves for providing other desired waves of a frequency displaced from the initial frequency; means for amplifying and transmitting one of the desired waves; a super-heterodyne receiving system having a second detector and having an intermediate frequency amplifier tuned to the difference between the frequencies of the two desired waves; selectively operable switching means for connecting the wave generating means to the amplifying means when in one position and for actuating the displacing means and connecting the wave generating means to the receiving system when in another position, whereby the displaced waves serve as the local heterodyning waves for said receiving system; and means for connecting said wave generating means to said second detector during reception, whereby this variable wave generating means acts as a beat frequency oscillator.

2,560,559
GASOLINE OPERATED PNEUMATIC TOOL

Henry C. Dearborn, United States Navy

Application December 10, 1945, Serial No. 634,126
3 Claims. (Cl. 123—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

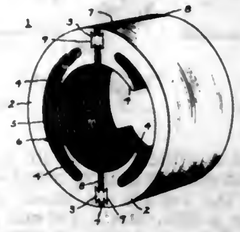


1. In a pneumatic tool providing a tool bit, the combination of a head for said tool bit, a combustion chamber, a piston engageable with said head reciprocable in said chamber, an exhaust port uncovered by said piston at one end of its stroke, a spring for returning said piston to operative position, a manifold connected to said chamber by a port, a solenoid operated valve located in said port, ignition means in said chamber, a switch responsive to pressure in said chamber for simultaneous operation of said solenoid and said ignition means by an electrical current, a second port opening into said manifold, and a separate compressor for fuel connected to said second port by flexible conduit, said compressor comprising one cylinder of a two cylinder two cycle internal combustion engine having one carburetor for supplying fuel to the cylinder used as a compressor and to the other or driving cylinder and having a by-pass conduit connecting said flexible conduit with said crankcase with a pressure responsive valve in said by-pass, whereby said compressor supplies the tool with a fuel-air mixture at a constant pressure.

2,560,560
STATOR FOR UNIVERSAL ELECTRIC MOTORS

Orval A. Doherty, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application March 29, 1949, Serial No. 84,022
5 Claims. (Cl. 171—252)



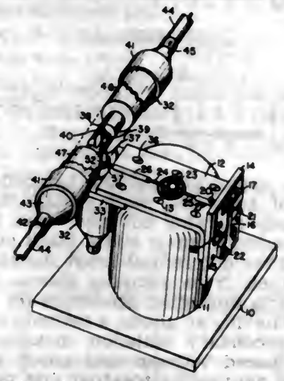
1. A stationary member for a dynamoelectric machine comprising a substantially circular yoke portion composed of a plurality of laminations of magnetic material, a polar projection extending radially inward from said yoke, a second polar projection diametrically opposite said first projection extending radially inward from said yoke, said yoke and said first-named and said second-named projections being split along a diameter of said yoke extending substantially through the centers of said first-named and said second-named projections forming two substantially semi-circular yoke segments, each of the split surfaces of said segments having a dovetail groove parallel to the center line of the yoke, and combination spacer and retainer members of non-magnetic material positioned between the split surfaces of said yoke segments in said grooves joining said yoke segments together and retaining in position the laminations of which they are composed, said combination members also separating said segments magnetically whereby a path of high reluctance is provided for armature reaction flux.

2,560,561
ELECTRICAL SWITCH

C. Richard Ellis, United States Navy, and William E. Frye, Washington, D. C.

Application August 9, 1945, Serial No. 609,907
4 Claims. (Cl. 200—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. A coaxial cable switch comprising a T-shaped tubular housing having a pair of circular rod inner coaxial conductors extending inwardly from opposite ends of the horizontal section of the housing and terminating near the point of intersection of the axes of the horizontal and vertical sections of the housing in spaced overlapping reduced end portions having their outer surfaces forming a continuation of the cylindrical surfaces of the circular conductors, said spaced overlapping end portions forming a pair of spaced contact terminals for said pair of coaxial conductors, a contact arm having a lower end mounted within the lower end of the vertical

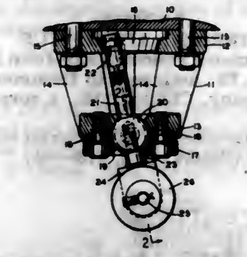


section of the housing and extending substantially centrally of said vertical section into the horizontal section, a movable contact carried by the contact arm between said spaced contacts, means for oscillating said contact arm to effect alternate connection of the movable contact with the spaced contacts, and a second tubular housing surrounding the contact arm to maintain the effective form and dimension of the contact arm equal to that of a fixed cylinder having a constant distance throughout its length from the inner wall of the housing.

2,560,562
CASTER

Ray Ferwerda, Lake Lucerne, Ohio

Application June 5, 1948, Serial No. 31,263
3 Claims. (Cl. 16—18)

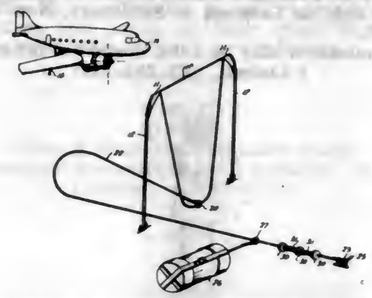


1. A caster comprising a frame adapted for attachment to a support and provided with a spherical socket, a stem having a ball portion held in said socket and an arm extending outwardly from one side of the ball portion, the frame having a circular opening the edge portion of which provides an annular raceway along which the end of the stem travels, and a trailing unit mounted on the other side of the ball portion and provided with rotatable floor engaging means aligned with said arm on an axis which intersects the center of said socket, said raceway having a conical surface which converges toward the center of the socket.

2,560,563
AERIAL PICKUP

Rudolph Fink, Osborn, Ohio, and Chester H. Webb, Friendly, W. Va.

Application November 17, 1944, Serial No. 563,978
14 Claims. (Cl. 258—1.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

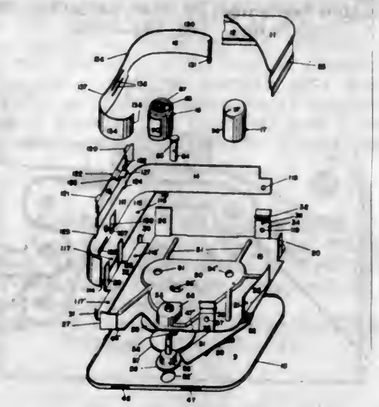


1. A pickup device to transfer a stationary load to a moving airplane comprising, a stake driven in the ground, a ring on said stake, a tow rope connected at one end thereof to said ring, means on the opposite end of said tow rope engageable by said airplane, connecting means freely slidable on said tow rope, a load member connected with said connecting means and a shock absorber mounted on said tow rope between said ring and said connecting means.

2,560,564
FILM CONTAINING MAGAZINE AND FILM HANDLING APPARATUS

Warren Dunham Foster, Eustis, Fla., and Oliver Whitwell Wilson, Yonkers, N. Y., assignors, by direct and mesne assignments, to Foster and Foster, Ridgewood, N. J., a co-partnership

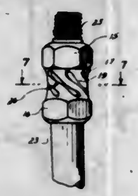
Application February 12, 1948, Serial No. 7,926
90 Claims. (Cl. 88—17)



1. In a film magazine, an outer protective casing and an inner main support movable relatively to said casing therewithin, a delivery support, a take-up support, said delivery and take-up supports being mounted upon said main support and movable therewith, a guide, said guide also being mounted upon said main support and movable therewith and being adapted to direct the film as it passes from said delivery support to said take-up support and to determine its focal plane, and resilient means connecting said casing and

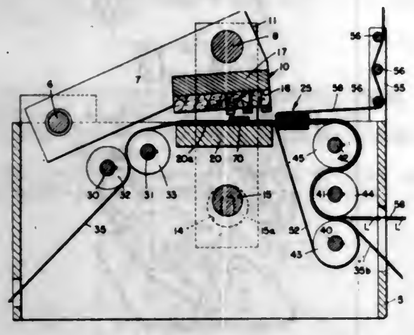
said main support for bodily moving said main support and the film and the elements mounted thereupon relatively to said casing.

2,560,565
COMBINED HOSE CONNECTOR AND CLAMP
Robert W. Freeman, Purchase, N. Y., assignor of one-half to Laforest S. Saulsbury, New York, N. Y.
Application May 24, 1950, Serial No. 163,933
6 Claims. (Cl. 285—84)



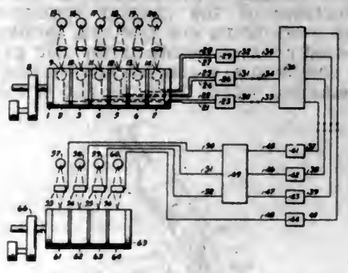
5. A hose connector and clamp comprising spaced nut formations interposed by a weakened portion integrally united therewith, said weakened portion having diagonally disposed bar sections surrounding the same, said spaced and weakened portions being hollow to receive a hose, said bar sections adapted to collapse and to shrink inwardly as the nut formations are twisted relative to one another whereby to grip any hose that may be disposed therewithin and hose coupling means connected to one of the spaced nut formations.

2,560,566
METHOD OF MAKING PRESSURE SENSITIVE LABELS
Eliot D. Graves, Pasadena, and Murray McDougal, Glendale, Calif., assignors to Contact Products, Inc., Los Angeles, Calif., a corporation of California
Application September 20, 1946, Serial No. 698,376
6 Claims. (Cl. 154—125)



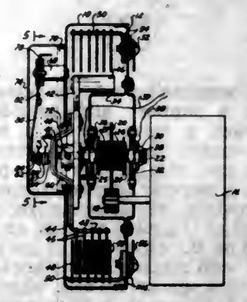
1. The method of die-cutting a label from a label forming strip carrying on its surface toward the cutting element of the die an exposed coating of permanently tacky adhesive and mounting it upon a backing sheet, comprising passing the cutting element of the die through the strip from its coated surface while forcing the adhesive coating at the edges of the label inwardly toward the center of the label and then adhering the label to the backing sheet before the adhesive coating can bleed over the edges of the label.

2,560,567
APPARATUS AND METHOD FOR USE IN COLOR REPRODUCTION
Norman R. Gunderson, Pasadena, Calif.
Application October 9, 1946, Serial No. 702,173
14 Claims. (Cl. 178—5.2)



1. In an apparatus adapted to produce three channels of corrected color output signals instantaneously carrying not more than two effective color output signals and a black output signal from three differential input signals in three color channels from scanning means, the combination of: a multiplier phototube for each color channel having an anode, a cathode, and a plurality of secondary emission dynodes electrostatically spaced between said anode and cathode; means connecting together and to a source of constant potential the dynode of each phototube electrostatically nearest its respective anode; means connecting together and to a regulated potential said cathodes; electronic means for continuously selecting the signal in said channels which is instantaneously maximum with respect to light and for regulating the potential of said cathodes so that the selected signal is maintained in an inverse feedback manner at a value corresponding to virtually zero ink coverage for that channel, said regulated potential constituting the black output signal; and electronic color corrector means responsive to the color channel signals and arranged to correct said signals to compensate for the overlapping of color absorption characteristics of inks to be superimposed in color reproduction.

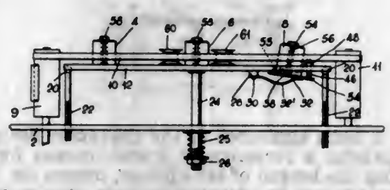
2,560,568
VIBRATO APPARATUS
Laurens Hammond, Chicago, and John M. Hanert, Park Ridge, Ill., assignors to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application October 10, 1946, Serial No. 702,380
2 Claims. (Cl. 178—44)



1. A vibrato scanning apparatus comprising a shielding casing, a circular row of stator plates secured to said casing but insulated therefrom,

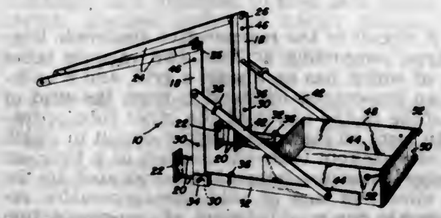
a shaft concentric with the circular row of stator plates, gearing including a frictional and resilient driving connection on said shaft, a shielding housing surrounding the gearing and the major portion of the shaft, a bracket secured to the shaft, a rotor plate secured to said bracket and successively cooperable with said stator plates to form a capacitative coupling therewith, said rotor plate being insulated from the shaft, a metal pin secured to said bracket and electrically connected to said rotor plate, said pin being coaxial with the shaft, and a contactor resiliently held in engagement with said pin.

2,560,569
PRECISION MOUNT FOR MAGNETIC RECORDING-REPRODUCING HEADS
Donald G. C. Hare, Stamford, Conn., assignor to Magnetic Equipment, Inc., Greenwich, Conn., a corporation of Delaware
Application July 31, 1948, Serial No. 41,840
4 Claims. (Cl. 179—100.2)



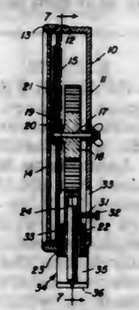
1. A precision mount for at least two magnetic sound transducing devices each of the type having a core with pole faces separated by a gap, comprising in combination a panel, support means therefor, means for mounting one of the devices on said panel with its gap oriented in any desired direction, a plate pivotally mounted on the panel, support means for another of the devices secured to said plate, means for securing such other device to the support means therefor with its gap oriented in any desired direction and means carried by said panel for adjusting the angular relation between the plate and the panel whereby the orientation of the gaps of the devices may be controlled by adjustment of the devices on their respective support means and adjustment to bring the gaps parallel may be effected by adjustment of the angular position of the plate relative to the panel.

2,560,570
CARRIER ATTACHMENT FOR TRACTORS
Rudolph C. Harig, Algona, Iowa
Application February 28, 1949, Serial No. 78,802
1 Claim. (Cl. 224—42.44)



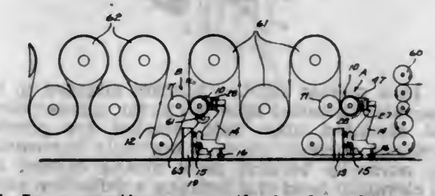
In a carrier attachment for tractors, the combination of a pair of substantially upright members having upper and lower ends formed with sets of openings, a pair of beams provided in end portions thereof with apertures selectively registrable with the lower set of openings in said members, a load receiving box mounted on said beams, a pair of diagonal struts connected at one end to said beams and provided at their remaining ends with apertures selectively registrable with the upper set of openings in said members, and a plurality of fastening elements receivable in the registering openings and apertures, said fastening elements being formed with angulated end portions for positioning in said openings and apertures, and hooks at their other ends for engagement with said struts and beams.

2,560,571
GAUGE
Aline B. Hawkins, Bellflower, Calif.
Application November 3, 1947, Serial No. 783,820
1 Claim. (Cl. 33—172)



A gage comprising a casing having an indexed dial and a pointer balanced by a spring, said pointer being movable over the face of the dial, means for actuating said pointer against the effort of said spring comprising an externally threaded tubular boss projecting radially through the casing, a tubular plunger having a threaded bore, said tubular plunger being mounted in said tubular boss for longitudinal movement therein, means coupling the tubular plunger with the pointer to cause the latter to move over the face of the dial against the effort of the spring, said casing having an elongated slot therein which aligns with the bore in the tubular plunger, and a set screw projecting through said slot and threadedly secured in said tubular plunger and extending through said threaded bore to removably hold an exploring element in said plunger.

2,560,572
METHOD OF COATING PAPER
Gerald Haywood, Western Port, and Charles S. Dayton, Luke, Md., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
Application June 25, 1946, Serial No. 679,240
3 Claims. (Cl. 117—111)



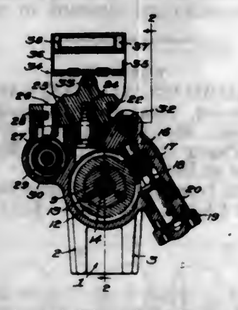
1. In a continuous method of making uniformly coated paper adapted for book and magazine use by applying to the paper a coating consisting essentially of mineral pigments and an adhesive in a suspension of water, and having

an initial viscosity in excess of 2500 centipoises as determined by the Brookfield viscosimeter using a spindle speed of 2 R. P. M. and having a viscosity at a spindle speed of 20 of not more than one-fifth as much, the steps which comprise feeding said color between a pair of rolls one of which has a resilient surface, the other of which has a non-resilient surface, there performing work on said color by squeezing said rolls together under substantial pressure and producing an enlarged zone of contact in which said color is subjected to shearing action by moving the opposing surfaces at said zone of contact in the same direction at different speeds, such shearing action reducing the viscosity of said color and causing it to form a film on the roll having the resilient surface, and then immediately transferring said film from said roll to a continuous web of paper while said film is still flowable.

2,560,573
DRYING OF BULK PRODUCTS
Arnold H. Heineman, Chicago, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 22, 1946, Serial No. 656,519
5 Claims. (Cl. 34—15)

1. The method of drying which comprises predetermining the moisture content of a material to be dried, predetermining the desired moisture content of the material, determining in degrees the cooling produced by evaporation of 1% of moisture from the material, multiplying the difference between said moisture contents by the said degrees of cooling to obtain a product, applying heat to the material to increase its temperature and subjecting the material to an increasing vacuum until the temperature of the material has decreased a number of degrees equal to said product.

2,560,574
MORTAR SIGHT
George L. Herter, Waseca, Minn.
Application June 11, 1947, Serial No. 754,037
2 Claims. (Cl. 33—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



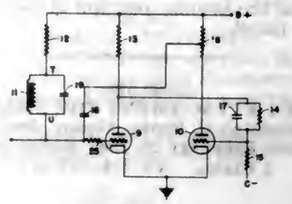
1. In a mortar sight, a bracket adapted to be detachably mounted upon a mortar, an elevation head mounted upon said bracket for pivotal movement thereon about a normally horizontal axis, normally vertical pivot means carried by said elevation head and defining a deflection axis, a lower detent member having a first series of equally spaced teeth, said lower detent member being carried by said elevation head and having its teeth extending through 360° concentric of said deflection axis, an upper detent member mounted on said lower detent member for pivotal movement about said deflection axis, a second series of teeth on said upper detent member and extending through 360° about said deflection axis and adapted to mesh with said first series of teeth, means yieldingly urging said members into interengagement to thereby cause said teeth to intermesh, a collimator mounted on said upper detent member for pivotal movement about a normally horizontal axis perpendicular to the line of sight determined by said collimator, and means pivoted on said lower detent member and manually operable to move said upper detent member axially away from said lower detent member to separate the teeth thereof.

2,560,575
BATH SUPPORT FOR BABIES
Kenneth A. Holland, Sr., Kansas City, Mo.
Application May 19, 1947, Serial No. 749,056
6 Claims. (Cl. 4—185)



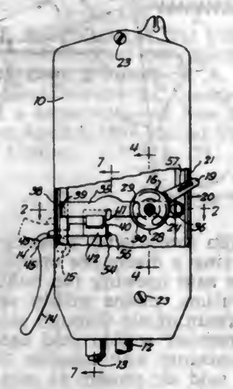
1. A bath appliance of the character described comprising a rectangular frame, means for adjusting the length of said frame, means for holding said frame in adjusted position, stop members projecting downwardly from said frame, a rectangular body supporting member of pervious fabric mounted cornerwise on said frame, and means for detachably and adjustably connecting a pair of opposed corner portions of said fabric body supporting member.

2,560,576
STABILIZED MULTIVIBRATOR
Conrad H. Hoeppner, Washington, D. C.
Application April 16, 1946, Serial No. 662,432
6 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A circuit of the regenerative electronic trigger type comprising at least two vacuum tubes each of which has an anode, a grid, and a cathode, an impedance connection from the grid of each tube to the anode of the other tube operative to form an electronic trigger circuit in which only one vacuum tube will conduct at a time, an inductor-capacitor network incorporated in the grid circuit of one of said tubes operative responsive to the establishment of non-conduction in said one of said tubes to produce non-self-sustaining voltage oscillations, said connections including means operative in response to an input triggering impulse to temporarily produce an unstable state wherein said one tube is held nonconducting and the other conducting for the duration of several of said voltage oscillations, said oscillations being effective to stabilize the time interval said one of said tubes remains nonconducting.

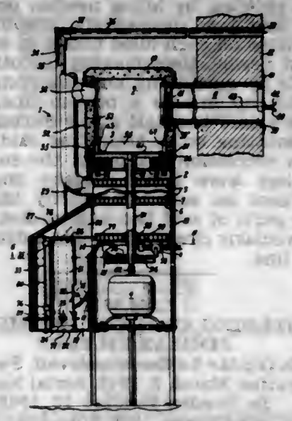
2,560,577
UPPER TENSION DEVICE FOR SEWING MACHINES
Matthew G. Ivandick, Rockford, Ill., assignor to Free Sewing Machine Co., Rockford, Ill., a corporation of Illinois
Application May 22, 1944, Serial No. 536,692
9 Claims. (Cl. 242—150)



1. Means for regulating tension on the thread of a sewing machine, comprising in combination with a pair of revoluble tension disks disposed adjacent the outside of a wall of the arm of said machine and adapted to be held in spring-pressed engagement, the outer one of said disks having a center pin projecting therefrom through the inner disk and through said wall, a spring disposed between said wall and the inner end portion of said pin to pull said pin inwardly and press the disks together resiliently with a force that is related to the degree of deflection of said spring, a cam plate rotatably adjustable directly relative to said spring and pin between a cam surface on the inner side of said wall and said spring to increase or decrease the deflection of the latter relative to the wall and the inner end of said pin, means whereby said cam plate may be turned manually from outside the arm of said machine, said last mentioned means including a detent projection, and keeper means on the arm of said machine arranged to be engaged by said detent projection, said spring urging said plate and the means for turning said plate yieldingly in a direction to keep said detent projection engaged with said keeper means.

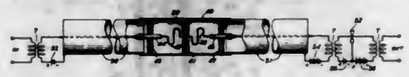
2,560,578
WASTE OR GARBAGE DISPOSAL APPARATUS
Archibald T. Keene, Southgate, Calif.; Enid Lois Keene administratrix of said Archibald T. Keene, deceased
Application April 9, 1945, Serial No. 587,380
10 Claims. (Cl. 110—8)

1. A cylindrical housing, a series of drying shelves within said housing, a pair of shafts one within the other and extending vertically through the center of said shelves, rakes for said shelves mounted on the outer shaft, a grinder comprising a disk mounted on the upper end of the inner shaft in discharge relation to said shelves, abrasive means on the upper surface of said disk, and driving means individual to said outer and



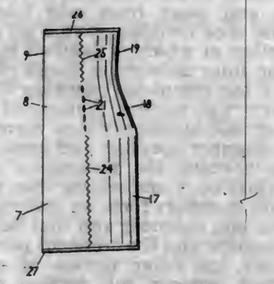
inner shafts for driving said inner shaft at a high speed and said outer shaft at a low speed.

2,560,579
SEMICONDUCTOR AMPLIFIER
Winston E. Kock, Basking Ridge, and Robert L. Wallace, Jr., Plainfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 19, 1948, Serial No. 45,023
20 Claims. (Cl. 179—171)



1. A translating device comprising a body of semiconductive material having a thin central portion and a thick portion surrounding said central portion, said body being symmetrical with respect to an axis and to a plane perpendicular to said axis, a conductive housing supporting the body centrally of its interior and in electrical connection therewith, and symmetrically related conductive means making rectifying contact to opposite sides of the thin central portion of the body substantially at the respective ends of said axis.

2,560,580
METHOD OF KNITTING GIRDLES
George Lacks, Larchmont, N. Y.
Application April 8, 1950, Serial No. 154,753
7 Claims. (Cl. 66—176)



1. A method of making girdles, said method comprising knitting reciprocatingly over a row of needles and thereby making one lateral half

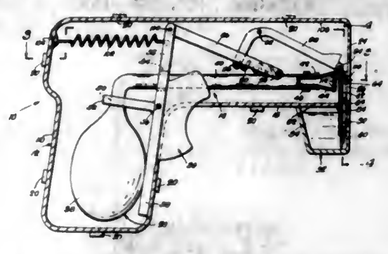
of a girdle from a bottom line to a top line, gradually reducing the width of said half girdle during said knitting by idling needles positioned at ends of said row successively, keeping the last mesh knitted on each idled needle in engagement with said needle, then making the other half of the girdle by continuing knitting reciprocatingly from said top line to a bottom line, gradually widening said other half girdle during said continuing knitting by re-activating said idled needles in a succession reverse to the succession in which they were idled, thereby engaging the meshes kept on said temporarily idled needles whereby parts of said two half girdles are united into a circularly closed piece, and cutting through said top line.

2,560,581
SHIELDING SHOE FOR DRUMS AND SIMILAR FILTERS
Nils Gustav Leffler, Sundsvall, Sweden
Application March 6, 1946, Serial No. 652,464
In Sweden January 12, 1942
24 Claims. (Cl. 210—199)



1. A shielding shoe for filters of the type embodying a movable perforated filter member adapted to pick up on its one side solids from a suspension and to discharge suspension liquid at its other side after passage through the openings thereof under the influence of a differential pressure between said sides, said shoe comprising a stationary shoe member having walls forming a chamber having an opening facing said filter member, a sealing shoe member interposed between said filter member and said stationary shoe member and so supported by the latter as to be capable of limited movement relative thereto toward and away from said filter member, said sealing shoe member having an end wall at least a portion of which is adapted to engage one side of said filter member to shield off a limited number of the discharge openings therein and a peripheral wall portion juxtaposed to the wall portion of said stationary shoe member surrounding said chamber opening, and means for sealing the space between the juxtaposed wall portions of said stationary and sealing shoe members, whereby said members form an enclosure for the space within said chamber and that between the chamber opening and the adjacent portion of said filter member, the outer surface of said sealing shoe member between the portion of the end wall adapted to engage the filter member and said sealing means having substantially no portion thereof exposed to an uncounterbalanced pressure component perpendicular to the filter member and arising from the atmosphere surrounding both shoe members.

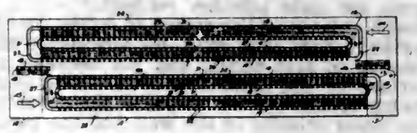
2,560,582
BUBBLE GUN
Nicholas J. Limber, Rockville Centre, N. Y., assignor to Bubble Gun, Inc., New York, N. Y., a corporation
Application June 17, 1946, Serial No. 677,198
8 Claims. (Cl. 46—8)



1. A toy gun comprising, a casing resembling a gun and having a discharge opening and a container below said opening for holding a bubble-forming solution, means within said casing for forcing a stream of air through said opening, an apertured member within said casing lowerable into said container and raisable therefrom into the path of said air stream at said opening, and a device in said casing including an outwardly projecting trigger for successively raising said member and causing operation of said air-forcing means on the same manipulation of said trigger

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2,560,583
CRIBBAGE SCOREBOARD
Austin G. Lupton, Windsor, Ontario, Canada
Application March 1, 1949, Serial No. 79,091
2 Claims. (Cl. 235—90)

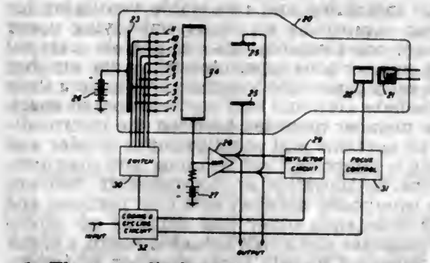


1. A cribbage scoreboard comprising a flat, elongated, rectangular body having in one face thereof under-cut grooves extending longitudinally of said board and arranged in two groups of four spaced-apart, substantially parallel grooves with curved groove portions interconnecting the two inner grooves and the two outer grooves of each group at respectively opposite ends of such inner and outer grooves to join the inner grooves of each group into a complete circuit and the corresponding outer grooves into a separate, complete circuit surrounding the circuit provided by the inner grooves, a series of score numbers arranged in consecutive order in each group of grooves disposed between each outer groove and the adjacent inner grooves and running between one outer groove and the adjacent inner groove from one end of such group to the other and then between the other of said outer grooves and the adjacent inner groove from said other end to said one end of said group, and respective score indicators slidable in the outer-groove circuit and in the inner-groove circuit of each group of outer and inner grooves.

2,560,584
N-CARBOANHYDRIDES
Robert Neal MacDonald, New Castle, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1949, Serial No. 74,241
18 Claims. (Cl. 260—307)

1. An N-carboanhydride of an alpha-amino acid in which carboanhydride the 4-carbon of the oxazolidine ring is a spiro carbon of a five to seven atom ring.

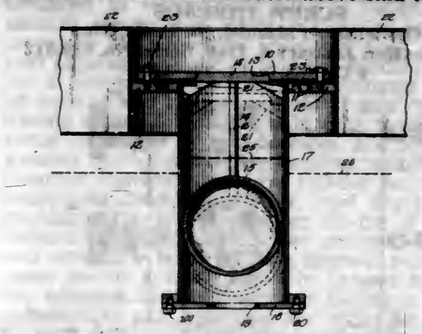
2,560,585
CATHODE-RAY SIGNAL TO VOLTAGE TRANSLATING DEVICES
Brockway McMillan, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 6, 1948, Serial No. 19,299
9 Claims. (Cl. 315—21)



1. Electron discharge apparatus comprising a secondary electron emissive target, means opposite one face of said target defining a row of windows, means for projecting an electron stream against said one face of said target, a collector electrode opposite said one face, means for deflecting said stream along said row of windows, a feedback coupling from said collector electrode to said deflecting means, and input means connected to said window defining means for energizing said window defining means to selectively open said windows individually for passage therethrough of secondary electrons from said target to said collector electrode.

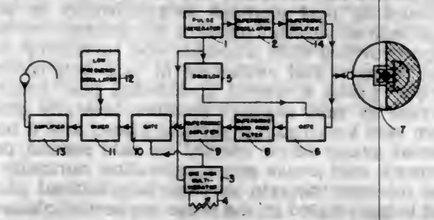
2,560,586
FLOATING ROOF DRAIN
Ernest E. Michaels, Birmingham, Ala., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application April 24, 1946, Serial No. 664,679
2 Claims. (Cl. 220—26)

1. In combination with a floating roof tank, a drain for the deck of the roof comprising a sump in the deck, said sump having an opening in its bottom located above the level of the liquid in the tank and opening to the space beneath the deck, a cylinder in vertical alignment and communication with said opening and extending substantially vertically downwardly from the sump and into the liquid in the tank, a valve beneath the opening and adapted to move upwardly to close the same, a float in the cylinder and a rod connecting the float and valve, said rod having a length greater than the distance between the valve and the liquid level whereby to immerse the float in the liquid to maintain constantly an upward pressure on the valve when the roof is floating in the liquid, said valve having a predetermined horizontal area exposed to liquid in the sump and said sump having a depth to entrap a sufficient head of drain water above said area to



overcome said upward pressure and open the valve.

2,560,587
RANGE AND DIRECTION FINDER
Robert E. Miller, United States Navy
Application October 31, 1945, Serial No. 625,927
7 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

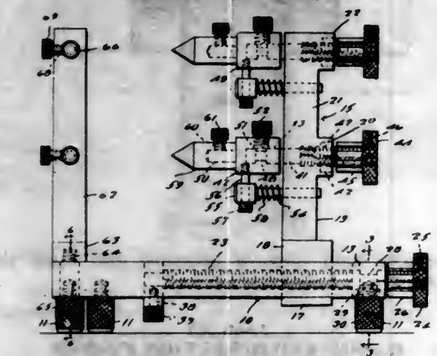


6. A range finding system comprising a pulsing device, means for transmitting a pulse from said pulsing device to an object, means for receiving a reflected pulse therefrom, a variable gating means, a multivibrator responsive to said pulsing device for triggering said gating means, said multivibrator being adjustable for varying the timing of said triggering so as to operate said gating device simultaneously with receipt of said reflected pulse, the setting of said adjustable multivibrator being indicative of the range of the object.

2,560,588
MINERAL OIL CONTAINING POLYMERS OF ESTERS OF FUMARIC ACID
John C. Munday, Cranford, and Dilworth T. Rogers, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1945, Serial No. 638,435
16 Claims. (Cl. 252—56)

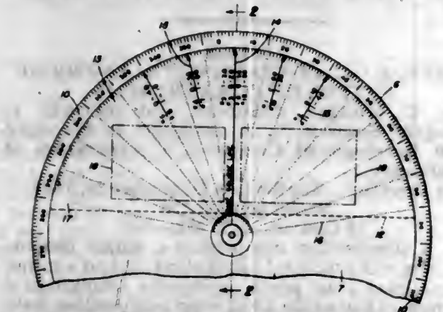
1. A composition comprising a major proportion of a waxy mineral lubricating oil and a minor but at least pour point depressing amount of a polymer of fumarate alkyl ester composition having more than one distinct alkyl ester group having from 1 to 18 carbon atoms, at least one of said alkyl ester groups having a chain length in excess of 10 carbon atoms and all of said alkyl ester groups having an average of between 5 and 15 carbon atoms, said polymer having a molecular weight within a range of from 1,000 to 40,000 and having been prepared by first forming the fumarate ester and then polymerizing said ester in the absence of air.

2,560,589
PITCH DIAMETER GAUGE FOR EXTERNAL SCREW THREADS
Cornelius A. Mundel, St. Louis, Mo.
Application January 8, 1946, Serial No. 639,812
4 Claims. (Cl. 33—199)



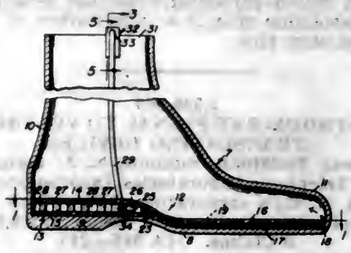
1. A screw-thread gauge device comprising a horizontal support member, a first upstanding post element carried by said support member in a longitudinal vertical plane of said support member, means for adjusting the position of said first upstanding post element longitudinally in said longitudinal vertical plane, a horizontal tool element provided with a conical end carried by said post element and extending in said longitudinal vertical plane, a second upstanding post element carried by said support member laterally offset from said longitudinal vertical plane, and a horizontal gauge screw carried by said second post element, said gauge screw extending normally to and intersecting said vertical longitudinal plane and being located in the same horizontal plane as said tool element.

2,560,590
INSTRUMENT FOR SHIP ZIGZAG OPERATIONS
John M. Ocker, United States Navy, Arlington, Va.
Application October 12, 1948, Serial No. 54,187
6 Claims. (Cl. 235—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A navigational instrument comprising a pair of relatively rotatable discs concentrically arranged with respect to each other; a 360 degree graduated scale upon one of said discs concentric with its center; a radial base course line upon the other disc cooperative with said graduated scale to indicate a base course; and a plurality of angularly spaced radial lines upon the said other disc cooperative with said graduated scale to indicate a series of navigation courses terminating in a desired course, and indicia upon said other disc indicating the order and time that each radial line is to be used as a navigation heading.

2,560,591
FOOT VENTILATING SHOE
Bernard W. Oltrogge, Billings, Mont.
Application July 11, 1949, Serial No. 104,101
2 Claims. (Cl. 36—3)



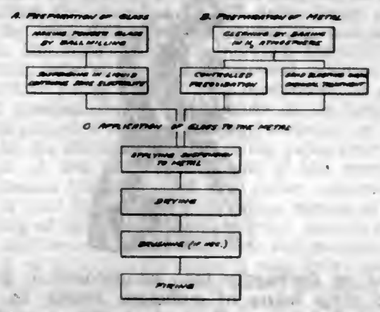
1. An insertable and removable ventilator for footwear comprising an insert embodying upper and lower complemental plies of flexible material having sole portions superimposed on one another and directly connected together, and having their intermediate arch and heel portions spaced apart, a cross member mounted between the intermediate arch portions and constituting a divider and defining a temporary air trapping and distributing zone, a plurality of compressibly resilient blocks interposed between said heel portions and spaced from each other and defining air circulating passages and a foot actuated pump, a check valve mounted in said cross member and communicating at its intake end with said pump and having its discharge end emptying into said trapping zone, air distributing tubes between said sole portions and communicating at their inner ends with said trapping zone and discharging at their opposite ends through the tip portions of said sole portions, and valved conduit means communicatively connected with said pump.

2,560,592
ALKYD RESIN
Carl J. Opp and Raymond E. Werner, Cincinnati, Ohio, assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application December 4, 1946, Serial No. 713,932
4 Claims. (Cl. 260—22)

1. An alkyd resin comprising the reaction product of a partial ester and a polybasic carboxylic acid wherein the said partial ester is a polyhydric alcohol partially esterified with the conjoint polymerization product of styrene with a conjugated ethylenically unsaturated fatty oil acid in the presence of a peroxide catalyst and an alkyl mercaptan having at least four carbon atoms, such alkyd resin being compatible with urea-formaldehyde and melamine-formaldehyde resins.

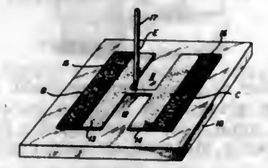
2,560,593
METHOD OF MAKING A GLASS-TO-METAL SEAL
Joseph A. Pask and John E. Schiveree, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 4, 1945, Serial No. 591,998
2 Claims. (Cl. 49—81)

1. The method of forming an envelope consisting of alternate sections of nickel-cobalt-iron alloy and glass having approximately the same coefficient of expansion, comprising forming flat rings of said alloy, applying a preoxidizing film to said rings amounting to about .0006 gram per square centimeter, coating a relatively large proportion of the area of each flat surface of said rings, inside the edges thereof, with



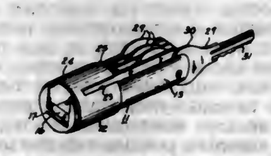
a thin layer of glass of approximately the same coefficient of expansion, and then connecting between adjacent rings, sections of the glass envelope to be formed, said envelope sections abutting the glass covered surfaces of said rings and sealed thereto, leaving metal edges projecting therefrom.

2,560,594
SEMICONDUCTOR TRANSLATOR AND METHOD OF MAKING IT
Gerald L. Pearson, Millington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 24, 1948, Serial No. 50,896
14 Claims. (Cl. 175—366)



1. The method of making a semiconductor translator having an attenuated portion that comprises shaping a block of semiconductive material by thinning at least a central portion thereof, reducing the width of the thinned portion to substantially the same dimensions as its thickness to provide a semiconductive body including a filament and at least one portion of greater cross-section than the filament, and making at least three spaced connections to said body including one to each enlarged portion.

2,560,595
KEY CONTAINER
John J. Poncar, Chagrin Falls, Ohio
Application August 19, 1948, Serial No. 45,112
10 Claims. (Cl. 70—456)



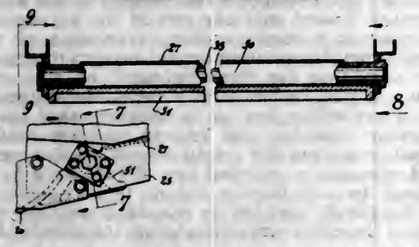
1. A key container adapted to receive a plurality of keys having apertured ends and bit ends, said container comprising in combination a key-holding member having key-receiving recesses arranged to receive said keys in substantially parallel relationship, pivot means for pivotally mounting the respective apertured ends of said keys adjacent one end of said key-holding member to provide for the individual swinging of the bit ends of said keys in and out of said recesses, biasing means for biasing said keys to pivotally swing outwardly of said recesses, and a keeper member carried on said key-holding member and mounted thereon to revolve relative to, and to reciprocate longitudinally of, said key-holding member, said keeper member having a longitudinally disposed open space provided therein and extending from an edge thereof, said open space having a width sufficient to pass but one key edgewise therethrough and having a length sufficient to pass said one key edgewise therethrough upon reciprocal movement of the keeper member toward the opposite end of the key-holding member to releasing position and insufficient to pass said one key edgewise therethrough upon reciprocal movement of the keeper member toward said one end of the key-holding member to locking position, revolution of said keeper member relative to said key-holding member providing for the alignment of said open space in said keeper with a recess accommodating a respective key to be released, said keeper member retaining said keys in said key-holding member against the action of said biasing means and releasing a selected key of said keys in response to said biasing means upon positioning of the keeper member to releasing position relative to the recess accommodating the selected key.

2,560,596
PREPARATION OF THIOUREA
Robert E. Powers, Pittsburgh, Pa., and John Mitchell, Boston, Mass., assignors to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application October 2, 1947, Serial No. 777,478
23 Claims. (Cl. 260—552)

1. In a cyclic process for the manufacture of thiourea by the thermal isomerization conversion of ammonium thiocyanate to thiourea wherein because of the low conversion of ammonium thiocyanate to thiourea inherent in said isomerization the ammonium thiocyanate must be separated from the conversion mixture and recycled to the conversion and wherein the conversion mixture is subjected to an aqueous treatment for effecting said separation in which the ammonium thiocyanate is obtained in the form of an aqueous solution and wherein because of said low conversion and said recycling of ammonium thiocyanate the average increment of ammonium thiocyanate introduced into said process passes through said conversion and said aqueous treatment at least about four times and consequently must be recovered from said aqueous solution an equal number of times, the method whereby the process may be carried out over a long period involving repeated recycling of ammonium thiocyanate and whereby cyclic buildup of impurities and decomposition products is minimized which comprises the steps of: dehydrating said ammonium thiocyanate solution under the partial pressure of an entrainer while maintaining said solution dispersed in a dispersion medium consisting essentially of the liquid of said entrainer until a completely dry ammonium thiocyanate is obtained, melting the dried ammonium thiocyanate, incorporating raw ammonium thiocyanate into said melt, heating

said melt containing said raw ammonium thiocyanate to convert a portion to thiourea, recovering said entrainer and recycling it to said dehydration, then recovering thiourea from the conversion mixture by said aqueous treatment whereby the bulk of the unconverted ammonium thiocyanate is recovered as said aqueous solution and returning the thus recovered aqueous solution to the dehydration step to complete the cycle and repeating the cycle a plurality of times sufficient to cause each average increment of raw ammonium thiocyanate charged to pass through said melting, said conversion, said aqueous treatment, and said dehydration at least four times.

2,560,597
DUMPING CONTROL FOR SCRAPERS
Karl E. Reischl, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application April 3, 1947, Serial No. 739,061
1 Claim. (Cl. 37—126)



A carry-type earth-moving scraper, having ground supports, a digging blade capable of being raised and lowered with respect to the ground, means for raising and lowering the blade, main dirt-containing means, a dumping-bowl pivoted on a transverse pivot adjacent the blade, and means to tilt this bowl forwardly to dump; characterized by the bowl having a transverse closed tubular sleeve at the bowl's pivot axis, and by there being within the sleeve a torsion element extending lengthwise of the sleeve, and into bearings in the main dirt-containing means at at least one end of the sleeve, said torsion element having at one end thereof means, irrotatably secured to the torsion element and to the main dirt-containing means, for constraining the twisting of that end of the torsion element with respect to the main dirt-containing means, and having at its other end means, irrotatably secured to the torsion element and to the bowl, for constraining the twisting of that end of the torsion element with respect to the bowl, whereby the tilting of the bowl to its full dumping position builds up in the torsion element potential energy which tends to initiate the return of the bowl to its rearmost (i. e. loading) position; the two constraining means being so contrived and relatively positioned as to put a reverse torque into the torsion element when the bowl is in its rearmost position, whereby the torsion element tends to initiate a forward tilting of the bowl from its rearmost position; one of the constraining means being adjustable.

2,560,598
PARKA
Theodore Rinis, Washington, D. C.
Application March 9, 1948, Serial No. 13,821
3 Claims. (Cl. 2—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A hood comprising a body portion shaped to fit the head and enclose a substantial portion of the margin of the face of the wearer but providing a face opening, a strip of fabric having one edge secured to the edge of the face opening and the other edge free, whereby the strip may be folded rearwardly against the exterior of the



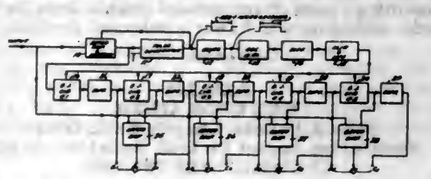
hood or forwardly into windshielding position, said strip being of sufficient length to extend below the chin of the wearer when moved to its forward position, and a flexible wire secured to and extending throughout the length of the free edge of said strip.

2,560,599
BENDING MOLD AND METHOD OF PROLONGING THE LIFE THEREOF
Joseph D. Ryan, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 30, 1945, Serial No. 602,587
3 Claims. (Cl. 49—67)



1. A plaster of Paris bending mold, a plurality of layers of glass cloth secured to the bending face of the mold, and a coating of a highly heat resisting plastic material on said glass cloth.

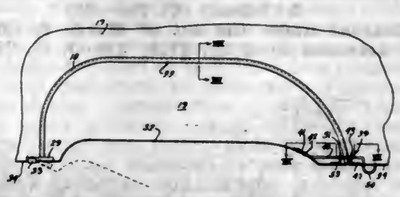
2,560,600
PULSE SIGNAL DECODER FOR PROPORTIONAL CONTROL
Chester I. Schafer, Dayton, Ohio
Application April 30, 1948, Serial No. 24,293
7 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A decoding circuit for analyzing a signal of the type having a synchronizing pulse followed by a control pulse adjustable in time over a fixed interval and about a neutral position within said fixed interval, said fixed interval being wholly subsequent to said synchronizing pulse, and for causing a control mechanism having a neutral position to assume a position relative to its neutral position corresponding to the position of said control pulse relative to its neutral position, said circuit comprising first and second gated amplifiers,

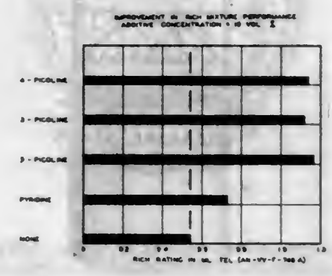
means for normally biasing said amplifiers to an inoperative condition, means for removing said bias for the duration of said fixed interval, a delay pulse generating means containing a pulse duration adjusting means, said pulse duration adjusting means being actuated by said control mechanism so that in the neutral position of said mechanism the duration of the delay pulse produced by said delay pulse generating means is equal to the time difference between the start of said fixed interval and the neutral position of said control pulse and so that movement of said control mechanism to either side of its neutral position causes a linearly related increase or decrease in the duration of said delay pulse from its duration at the neutral position of the mechanism, means for initiating the pulse generating action of said delay pulse generating means at the beginning of said fixed time interval, means rendering said second gated amplifier inoperative for a period equal to the duration of said delay pulse, means for rendering said first gated amplifier inoperative for a period equal to the period between the beginning of said fixed interval and the occurrence of said control pulse, means for generating a sharp pulse coincident with the trailing edge of said delay pulse and applying same to the input of said first gated amplifier, means for generating a sharp pulse coincident with said control pulse and applying same to the input of said second gated amplifier, means responsive to the presence of an output signal from the first gated amplifier and the absence thereof from the second gated amplifier to move said control mechanism in a delay pulse duration reducing direction, and responsive to the presence of output signal from said second gated amplifier and the absence thereof from said first gated amplifier to move said mechanism in a delay pulse duration increasing direction.

2,560,601
FENDER AND FENDER SHIELD CONSTRUCTION
George W. Schatzman, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 23, 1946, Serial No. 698,778
9 Claims. (Cl. 280—153)



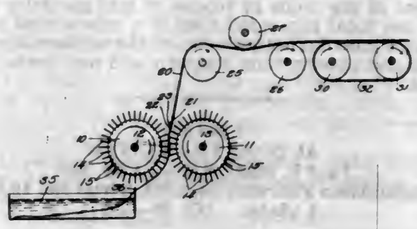
1. In combination in a fender and fender shield assembly, means for maintaining the fender and fender shield against lateral displacement, and means for maintaining the fender and fender shield against planar displacement comprising supporting means at the opposite ends of the fender shield including an elongated latching and tensioning rod secured to the fender shield and extending beyond one end thereof, said rod normally extending in a downward direction and being adapted to be flexed upwardly toward a horizontal position, a keeper mounted upon the fender adjacent to such end of the fender shield and engageable with the rod after upward flexure thereof to maintain the same in latching and tensioned position, and anti-deflection locking structure on the fender shield adjacent to said end and engageable with the rod in its upwardly flexed latching and tensioned position.

2,560,602
FUEL COMPOSITION
Walter A. Schulze and John E. Mahan, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application April 9, 1946, Serial No. 660,622
11 Claims. (Cl. 44—63)



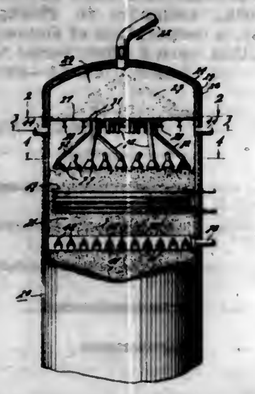
1. A fuel composition having gasoline characteristics, improved rich mixture performance and lead response which consists essentially of branched chain paraffin hydrocarbons having between five and nine carbon atoms per molecule; and from one to twenty volume per cent of at least one picoline.

2,560,603
APPARATUS FOR CLEANING ANIMAL INTESTINES
Theodore R. Selby, Chicago, Ill., assignor to Wilson & Co. Inc., a corporation of Delaware
Application May 17, 1944, Serial No. 536,056
6 Claims. (Cl. 17—43)



1. A split intestine cleaning machine comprising a pair of substantially parallel rolls, laterally rigid blades mounted on the rolls longitudinally thereof and angularly disposed at a small acute angle with respect to each other, means associated with the rolls for rotating the rolls in opposite directions at a synchronous rate, said blades extending outwardly from the rolls in intermeshing relationship, pulling means operatively positioned on one side of said intermeshing blades and driven in a direction opposite to the direction of movement of the intermeshing blades, and means associated with said pulling means for securing split intestines thereto for pulling split intestines between said rolls under stretching tension and in a direction opposite to the direction of movement of the intermeshing blades thereby enabling the blades to scrape substantially all of the surface of said intestines.

2,560,604
MANIPULATION OF FLUENT SOLIDS
Hubert A. Shabaker, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application December 31, 1948, Serial No. 68,683
14 Claims. (Cl. 196—52)



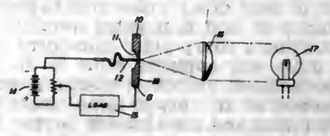
1. A method for the introduction into a fluid contacting zone of fluent solid particles varying in size over a range such that flowing a mass of said particles down an inclined path results in a non-uniform distribution of particles of the same size over the cross section of said mass normal to the direction of flow, which method comprises supplying said particles to a body of said particles located above said contacting zone, discharging said particles from the bottom of said body at a multiplicity of points, moving the particles so discharged downwardly in compact non-turbulent flow to the surface of a non-turbulent bed of said particles in said contacting zone and, in the course of the movement, expanding the total horizontal area through which said solid particles flow while confining the outermost angle of flow of said particles to less than the complement of the angle of repose of said particles until the total expanded area is a substantial portion of the horizontal area of the surface of said bed and passing fluid through said non-turbulent bed.

2,560,605
AUTOMATIC BASTER
Paul V. Shell, Kansas City, Mo.
Application February 24, 1948, Serial No. 10,450
1 Claim. (Cl. 99—346)



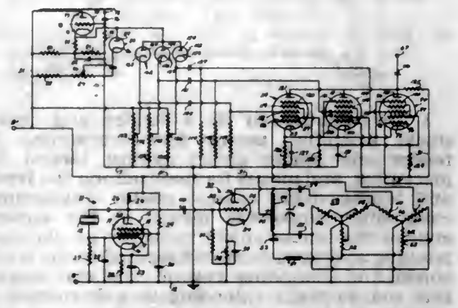
An automatic baster for food cooking utensils comprising a hollow spheroidal body provided with a normally lowermost, uninterrupted annular edge, a perforation at the axis and normally highest point thereof and a number of spaced, marginal holes adjacent said edge; a vertical tube having a tapered portion at the lower end thereof for frictional engagement with the body when inserted in said perforation; a tubular expelling spout telescoped within the upper end of said tube for relative longitudinal and rotative movement therein, said spout having an arcuate portion at its outer end for laterally discharging material therethrough, the telescoped portion of the spout being in frictional engagement with the tube for holding said spout in a predetermined position; and an elongated, relatively narrow anchor strip having an opening formed in one end thereof circumscribing the tube for free and full rotation of the strip entirely about the tube in overlying, sliding engagement with the outer face of the body and extending beyond said annular edge of the body, that portion of the strip engaging the body being in conformity with the contour thereof, that portion of the strip beyond the body being flat and in the plane of said annular edge of the body.

2,560,606
PHOTORESISTIVE TRANSLATING DEVICE
John N. Shive, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 6, 1949, Serial No. 85,788
9 Claims. (Cl. 250—211)



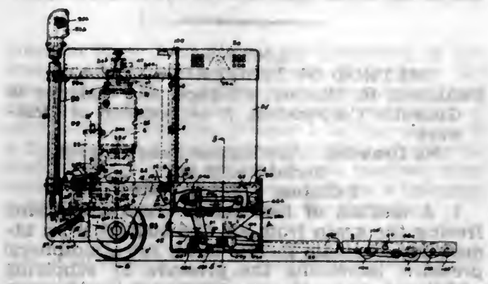
1. A photoelectric translating device comprising a body of semiconductive material, said body having a thin portion between two opposite faces thereof, a point contact engaging one face of said body at said thin portion, an ohmic connection to said body at a region spaced from said contact, and means for directing a ray of energy against a region of the other face of said body opposite said contact.

2,560,607
CRYSTAL CONTROLLED CALIBRATOR FOR SELF-PULSED RADAR
Floyd Everett Steele, Yakima, Wash.
Application December 30, 1949, Serial No. 136,131
5 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a circuit for synchronizing a sinewave voltage with a pulse voltage, a source of polyphase sinewave voltage composed of a plurality of equal phase voltages, a source of voltage pulses, a number of electronic tubes equal to the number of said phase voltages each having a cathode, an anode, and at least a first and a second control grids, circuit means for said cathodes and said anodes to a source of direct current, circuit means for impressing each of said phase voltages on one of said first control grids with respect to said cathodes respectively, and circuit means including capacitor means individual to each of said tubes for impressing said voltages pulses on said second control grids to charge said capacitor means through the respective tubes, whereby the potential applied to the second control grid of each of said tubes is determined by the instantaneous voltage impressed on the respective first control grid at the time said voltage pulse is impressed on said second control grids.

2,560,608
ARRANGEMENT OF LOAD CARRIER AND LIFTING MECHANISM FOR TRUCKS
Frank Stoner, Lakewood, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application July 12, 1945, Serial No. 604,565
3 Claims. (Cl. 254—2)



1. A truck comprising a traction and steerable unit consisting of front and rear frame sections, an elevating load carrier unit the inner end portion of which extends inwardly into overlapping relation to said rear frame section, a support rotatably mounted on said front frame section, a traction wheel mounted on said support, means for driving said wheel, spaced depending supports on said rear frame section, inner and outer cross shafts mounted on said depending supports, front and rear pairs of bell-cranks fulcrumed on said shafts, corresponding arms of said bell-cranks being pivotally connected to the inner end portion of said carrier unit, a horizontally disposed cylinder mounted in said rear frame section, a piston in said cylinder, a piston rod connected to said piston, operating connections between said rod and the other corresponding arms of said bell-cranks, a hydraulic supply system having valve controlled connections to one end of said cylinder, and a device connected to the said wheel support for rotating it to steer said wheel.

2,560,609
TIRE TUBE
Andrew Van Hulzen, Chicago, Ill.
Application December 18, 1946, Serial No. 716,972
3 Claims. (Cl. 152—339)

2. A tire unit comprising a conventional inner tube, an internal tube attached thereto along the inner periphery thereof, means for separately inflating the inner tube and the internal tube, said internal tube formed of inner and outer wall plies of elastic material, and a medial ply of material normally arranged in folds extending in a circumferential course, and said medial ply provided with a series of transverse corrugations.



2,560,610
PRODUCTION OF ALKENYLTHIOPHENES
Cary R. Wagner, Utica, Ohio, assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 26, 1943, Serial No. 511,893
12 Claims. (Cl. 260—329)

4. A process for the production of an alkylthiophene which comprises alkylation of a thiophene selected from the group consisting of thiophene and alkyl thiophene having a replaceable hydrogen atom attached to the thiophene nucleus with an olefin at a temperature within the range of approximately 400° to approximately 700° F. in the presence of a catalyst of the silica-alumina type.

2,560,611
DRILLING FLUIDS AND METHODS OF USING SAME
Cary R. Wagner, Utica, Ohio, and William N. Axe and Chester M. Himel, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application March 15, 1948, Serial No. 15,053. In the Netherlands December 18, 1947
24 Claims. (Cl. 252—8.5)

1. In a process for drilling a well with well drilling tools wherein there is circulated in the well a water base drilling mud containing colloidal particles of clayey material suspended in sufficient water to render the same circulatable, the method of forming a filter cake on the wall of said well to decrease the loss of fluid from said drilling mud contained therein into surrounding earthen formations which comprises admixing with said drilling mud and interacting therewith a water soluble cellulose sulfate compound selected from the group consisting of water soluble cellulose acid sulfate and the water soluble metal and ammonium salts of cellulose acid sulfate in an amount sufficient to lower the fluid loss through said filter cake but insufficient to increase the viscosity of said mud to such an extent as to render said drilling mud uncirculatable and contacting said wall of said well with the resulting drilling mud to form said filter cake thereon.

2,560,612
DRILLING FLUIDS AND METHODS OF USING SAME

Cary R. Wagner, Utica, Ohio, and Martin A. Ryan, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

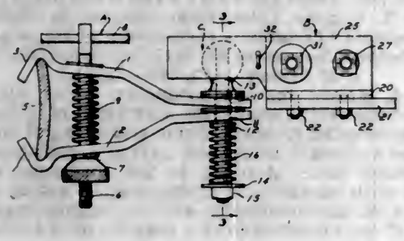
No Drawing. Application December 10, 1945, Serial No. 634,153
20 Claims. (Cl. 252—8.5)

14. A water base well drilling mud comprising, in combination, sufficient water to maintain the mud as a fluid, sufficient clayey material to form a filter cake on the wall of the well, and a water soluble, stable cellulose ester of a polyvalent, inorganic acid selected from the group consisting of cellulose phosphate and cellulose sulfate, said ester being added in an amount sufficient to reduce the water loss due to filtration through said filter cake but insufficient to increase the viscosity of said drilling mud to such an extent that it cannot be circulated.

2,560,613
COUPLING DEVICE

Carleton W. Wahl, Silver Spring, Md.

Application November 15, 1946, Serial No. 709,969
6 Claims. (Cl. 280—33.17)



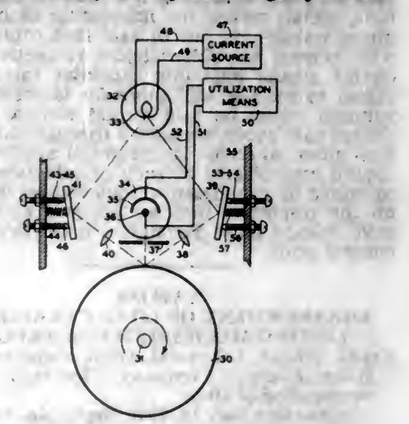
1. A connecting member for use in a vehicle coupling device of the type having a ball connected to a towing vehicle, said member comprising a base plate, a vertically disposed wall connected with said plate, a pair of flat vertically disposed plates on either side of the wall, said plates having enlarged forward portions in face-to-face relation, each enlarged portion being formed with an opening, said openings cooperating to form a socket for the ball, and means associated with the plates and vertical wall for yieldingly clamping the plates together.

2,560,614
DUAL BEAM OPTICAL SYSTEM FOR FACSIMILE SCANNERS

La Verne C. Walker, Baldwin, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware

Application January 5, 1948, Serial No. 623
3 Claims. (Cl. 178—7.1)

1. In a facsimile scanner having a photoelectric cell arranged to receive reflected light from a spot on the subject copy, two-path copy illuminating means comprising an exciter lamp disposed on the side of the photoelectric cell opposite from the subject copy, reflectors arranged substantially equidistant from the exciter lamp on two sides of the photoelectric cell, and means for adjusting the attitude of each of said reflectors so that each will receive light from said exciter lamp and direct the light to said spot on the subject copy, whereby the spot is brightly illuminated from two directions eliminating shadows due to surface irregularities of the subject copy.



2,560,615
METHOD OF TEMPERING WHEAT

Benjamin R. Warner, Chicago, Ill., assignor to Guardite Corporation, a corporation of Delaware

No Drawing. Application June 18, 1948, Serial No. 33,921
8 Claims. (Cl. 99—80)

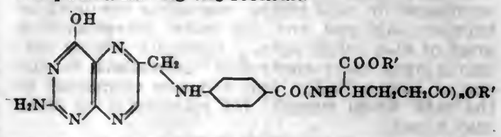
1. A method of moistening grain comprising freeing the grain from air and supplying an atmosphere of steam thereto under sub atmospheric pressure, increasing the pressure by supplying additional steam thereto, supplying liquid water to the surface of the grain in a predetermined amount after said pressure increase, then subjecting the grain to an increased vacuum and thereafter supplying atmospheric air thereto.

2,560,616
METHOD OF PREPARING PTERIDINES

David I. Weisblat and Arthur R. Hanze, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application July 31, 1948, Serial No. 41,885
9 Claims. (Cl. 260—251.5)

1. The method for preparing an N-((2-amino-4-hydroxy-6-pteridyl)methyl) - p-aminobenzoate compound having the formula

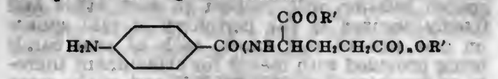


wherein R′ is from the group consisting of hydrogen and the alkyl radicals and n is from the group consisting of zero and the integer 1, which includes the step of heating a mixture comprising 2,4,5-triamino-6-hydroxypyrimidine, a haloketone having the formula

$$XCH_2COCH_2R$$

wherein X is a halogen from the group consisting of chlorine, bromine and iodine and R is from the group consisting of chlorine, bromine, iodine

and the hydroxyl radical, and a p-aminobenzoate compound having the formula



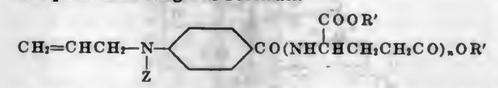
and separating an N-((2-amino-4-hydroxy-6-pteridyl)methyl) - p - aminobenzoate compound from the reaction mixture.

2,560,617
CONDENSATION OF DIHALOALKYLAMINOBENZOATES WITH AMINOHYDROXYPYRIMIDINE

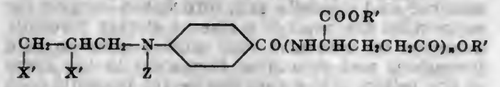
David I. Weisblat and Barney J. Magerlein, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application July 31, 1948, Serial No. 41,886
14 Claims. (Cl. 260—251.5)

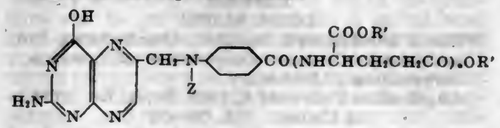
9. The method which includes: subjecting a compound having the formula



wherein R′ is from the group consisting of hydrogen and the alkyl radicals, Z is from the group consisting of hydrogen and the arylsulfonyl radicals and n is from the group consisting of zero and the positive integer 1 to the action of a halogen from the group consisting of chlorine and bromine in an organic liquid medium inert under the reaction conditions to form a halogen-containing compound having the formula



wherein X′ is from the group consisting of chlorine and bromine; and subjecting the halogen-containing compound to the action of 2,4,5-triamino-6-hydroxypyrimidine under the influence of a tertiary amine to cause the formation of a compound having the formula



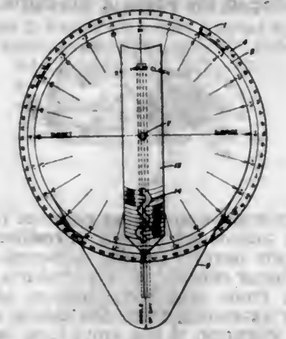
and separating the latter compound from the reaction mixture.

2,560,618
SOLAR NAVIGATING INSTRUMENT

Edwin H. Wenberg, Caracas, Venezuela

Application January 19, 1949, Serial No. 71,742
3 Claims. (Cl. 235—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A navigational device comprising a first disc carrying a pivot pin and having peripheral longitude and time zone scales, a second disc coaxially mounted on said pivot pin adjacent said first disc and having a peripheral 24 hour clock dial arranged adjacent said time zone scale on said first disc and in cooperative reading relationship with respect thereto, a transparent member mounted on said pivot pin adjacent said second mentioned disc, said transparent member having a longitudinal slot therein for pivotal and sliding movement on said pivot pin and provided with noon, sunrise and sunset indices, a pointer oscillatably mounted on said pivot pin adjacent said transparent member to cooperate with said longitude scale, and means movably connecting said pointer to said slot and operable to oscillate said pointer in either direction to adjust said pointer in either direction about its pivot to correct for known differences between mean sun time and observed sun time for different months of the year in order to obtain accurate indications of longitude, and a scale indicating the months of the year, cooperating with said last mentioned means to indicate one factor that determines the relative positioning of said pointer and transparent member.



2,560,619
GROUTING PROCESS AND APPARATUS

Louis S. Wertz, Cleveland, Ohio

Application May 22, 1948, Serial No. 28,710
7 Claims. (Cl. 61—36)



1. In the process of constructing a monolithic concrete structure by confining a mass of aggregate between surfaces which define the desired structure and forcing grout under pressure from a remote mixing station into said aggregate to fill the voids and interstices therein, the improvement which comprises pumping the grout along a closed path having a delivery section leading from said remote mixing station to adjacent said mass of aggregate and a return section leading back to the mixing station, withdrawing grout at a plurality of points spaced along the delivery section of said closed path, and separately pumping the withdrawn grout from said spaced points through separate distribution conduits and thence into spaced regions of said mass of aggregate, the amount of grout pumped from the mixing station through the delivery section of said closed path being greater than the amount withdrawn at said spaced points, and the excess being returned to the mixing station through the return section of said closed path.

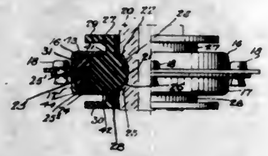
2,560,620
ROLL-SHEAR VIBRATION ISOLATION MOUNTING

Benjamin B. Whittam, Doylestown, Pa.

Application November 1, 1945, Serial No. 626,005
16 Claims. (Cl. 248—358)

1. A ring compression and snubbing unit for use in a roll-shear vibration absorbing mount, of

material having the general characteristics of rubber and comprising an annular body having a curved axial cross section on the innermost portion, having axially extending cylindrical skirts on opposite side of the body and snubber flanges extending radially outwardly away from the axis and attached at the edges of the skirts.



16. A primary dampening element for a shock absorbing mount comprising a resilient annular central body portion having a curved outer and a curved inner contour, a pair of skirts oppositely extending from said body portion and flanges outwardly extending from the skirts, adapted to snub the vibration if the amplitude becomes too great.

2,560,621
MEAT SUBSTITUTE AND PROCESS OF MAKING SAME
Charlton L. Wrenshall, Jacksonville, Fla.
No Drawing. Application March 2, 1949, Serial No. 79,307
13 Claims. (Cl. 99—14)

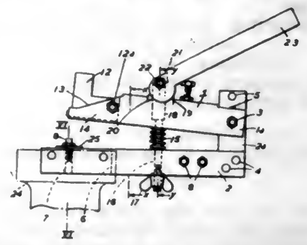
1. An edible food product comprising essentially a mixture of particles of an edible solid texturizing agent and dried milk solids, said particles having sizes that impart to the mixture upon gelling of the milk solids, a texture corresponding to that of comminuted meat preparations.

2,560,622
GUIDE WHEEL FOR TRAWL NETS
Czeslaw A. Abramowski, Astoria, N. Y.
Original application August 12, 1947, Serial No. 768,193. Divided and this application December 9, 1949, Serial No. 132,115
3 Claims. (Cl. 43—9)



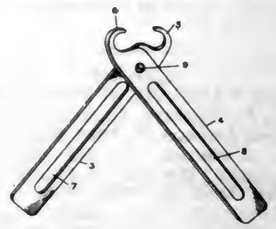
1. A guide wheel for a trawl net comprising a sphere, a track circumposed about said sphere and fixedly secured to the latter, a disc rotatably mounted in said track, means on said sphere for attachment thereto of an end of each of a ground and a head line of the net, and means on said sphere and spaced from said first named means for attachment thereto of an end of a warp line of a towing vessel, said last named means embodying a plurality of sector bands arranged in spaced relation with respect to each other and fixedly secured to the periphery of said sphere on one side of said track, each of said bands being provided with means for attachment thereto of fore straps carried by said end of the warp line.

2,560,623
RIVETING DEVICE WITH PRESSURE AND STRIKER ELEMENTS
Evan Meirion Arthur, West Heath, Birmingham, England
Application October 29, 1947, Serial No. 782,935
In Great Britain January 22, 1947
3 Claims. (Cl. 218—19)



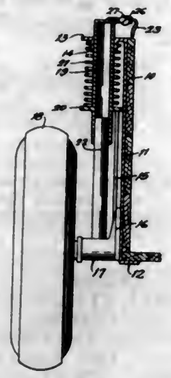
1. A riveting device for riveting a brake lining on a brake shoe; comprising a base member, an arm pivotally mounted at its inner end on said base member, said arm including a substantially vertically bifurcated portion at the outer end thereof, an anvil pin on the outer end of said base member and opposite said bifurcated portion for supporting the head of a rivet, a striker pivotally mounted on said arm and guided between said furcations and extending forwardly to the front of the latter, and a cam device for pressing said arm toward said base member to thereby press said brake lining and said brake shoe against the head of a rivet supported on the anvil pin.

2,560.624
LOCK SLING
William Diestelbrink Bartlett, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application February 4, 1948, Serial No. 6,220
1 Claim. (Cl. 70—14)



A lock sling comprising a pair of pivotally connected, relatively movable identical bars each having an opening in the shank thereof running substantially the full length of said shank and a hook at the end of each bar, the concave portion of said hooks facing each other and being spaced apart in the open position and overlapping each other in the closed position to form an opening, and the slots being coextensive with each other in the closed position to receive at least one lock for the purpose of maintaining the bars in the closed position, said hooks extending toward each other sufficiently so that the ends of the hooks overlap each other before any portion of the slots come into overlapping position.

2,560,625
VEHICLE BODY LIFT AND HITCH
Samuel D. Boggs, Jr., Clarendon Hills, and Ralph R. Handelman, Chicago, Ill., assignors, by mesne assignments, to Alvin J. Parcelle, Chicago, Ill.
Application August 14, 1948, Serial No. 44,376
3 Claims. (Cl. 280—44)

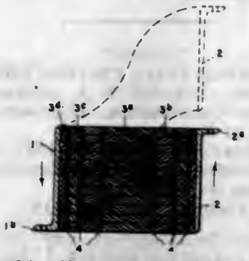


1. A vertically-adjustable vehicle body comprising a frame, a vertically mounted track on each side of said frame, an axle for each track, each of said axles carrying a wheel and being slidably supported in one of said tracks, a pair of piston members respectively mounted on the top of the axles in generally vertical positions, a cylinder for each piston adapted to fit in snugly slidable relationship therewith, each of said cylinders having a closed upper end, a flange on the outer surface of each cylinder, support means mounted on each side of the vehicle adapted to slidably receive the upper end of one of the cylinders and to provide therearound a spring seat, spring means mounted between the spring seat and the flange on each side of the vehicle, said spring means being adapted to support the weight of the vehicle body without being fully compressed, and means for introducing hydraulic fluid into each of the cylinders above the piston for raising the cylinders relative to the pistons.

2,560,626
INSECTICIDAL AND FUNGICIDAL SPRAY OIL
Clifford J. Boissonou, Concord, and Wallace J. Yates, Martinez, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 27, 1948, Serial No. 23,614
4 Claims. (Cl. 167—43)

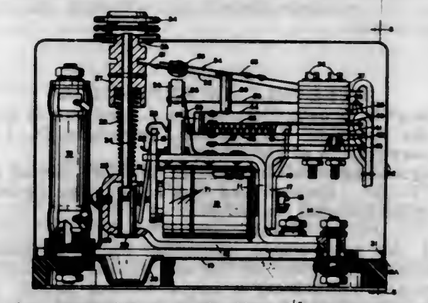
3. A water-emulsifiable insecticidal spray oil composition comprising a predominant amount of a horticultural hydrocarbon spray oil having dissolved therein between about 0.01% and about 5% by volume of a fatty acid monoester of a polyalkylene glycol and a solubilizing amount of an oil-soluble unsubstituted alkyl phenol, said ester having between about 14 and about 60 carbon atoms in the glycol portion and between about 12 and about 30 carbon atoms in the acid portion.

2,560,627
COMBINATION METAL AND RUBBER STRUCTURE
Antonio Boschi, Milan, Italy, assignor to Società Applicazioni Gomma Antivibranti, Milan, Italy
Application August 1, 1947, Serial No. 765,356
In Italy January 17, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 17, 1966
10 Claims. (Cl. 267—63)



1. In combination, spaced plate members provided with opposed substantially parallel face portions adapted for relative movement in a direction parallel to said faces, a composite elastic block extending between the opposed faces and bonded thereto, said elastic block comprising a central zone of rubber-like material, a plurality of transversely extending zones of rubber-like material of differing degrees of stiffness disposed between said central zone and each of said opposed faces, the material in each of the several zones being of different composition, bonding material disposed between adjacent zones of rubber-like material, said bonding material lying in planes parallel to said opposed faces, the stiffness of the rubber-like material in the several zones being progressively and symmetrically greater from the central zone toward said opposed faces.

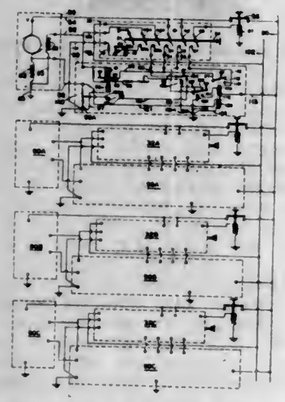
2,560,628
OVERVOLTAGE PROTECTOR
Robert L. Brown, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application October 15, 1947, Serial No. 779,992
3 Claims. (Cl. 200—106)



2. An overvoltage protective device, comprising, in combination, a supporting plate, a first bracket projecting from the supporting plate, an electromagnetic coil fastened to the first bracket, a second bracket secured to the first bracket, a switch assembly supported by the second bracket, said first bracket extending along said electromagnet coil and having a knife-like edge at a free end thereof, latching means including an armature pivotally mounted on said edge and cooperating with the electromagnetic coil, a spring bias-

ing said armature in opposition to the magnetic force of said coil, a third bracket fastened to said supporting plate, a rod slidably supported by said third bracket and having a shoulder portion engageable by said latching means, a control arm operatively connecting said rod to said switch assembly, spring means for biasing said rod in one direction, and manually operable means for actuating said rod into latching engagement with said latching means, in opposition to said last mentioned spring means.

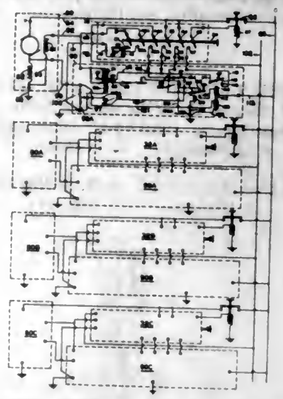
2,560,629
OVERVOLTAGE PROTECTOR
Robert L. Brown, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Original application October 15, 1947, Serial No. 779,992. Divided and this application October 5, 1949, Serial No. 119,724
4 Claims. (Cl. 171—119)



1. In combination, an output line, a plurality of generators connected to said output line, each of said generators having a field circuit, control means responsive to the current flow through the field of each generator for disconnecting the associated generator from the output line upon a rise in field current above a predetermined value, and time delay means for retarding operation of said control means upon a voltage surge in excess of a predetermined value affecting the control means.

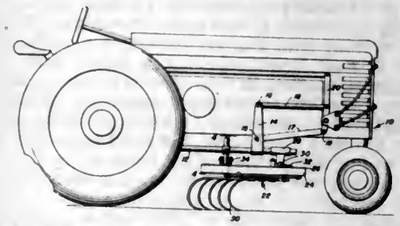
2,560,630
OVERVOLTAGE PROTECTOR
Robert L. Brown, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Original application October 15, 1947, Serial No. 779,992. Divided and this application October 5, 1949, Serial No. 119,725
3 Claims. (Cl. 322—28)

1. An overvoltage protector for a generator having a field circuit for controlling the output thereof, comprising a main control switch for connecting said generator to said output, a main electromagnetic winding circuit for controlling said main switch, a regulator connected in said field circuit, a control winding for said regulator and adapted to be connected across the output of the generator, an overvoltage protective relay means including a third electromagnetic winding adapted to be connected across the field circuit, a plurality of switch elements operated as a unit by said third electromagnetic winding, said switch elements being arranged to open said main winding circuit, said field circuit, said control winding circuit, said main electromagnetic winding circuit, and said third electromagnetic winding circuit, and a short circuited turn about said third



electromagnetic winding and so arranged as to retard operation of said switch elements upon a transitory voltage surge affecting said third winding.

2,560,631
AGRICULTURAL ATTACHMENT FOR TRACTORS
Early R. Burgess, Good Hope, Ga.
Application June 9, 1947, Serial No. 753,564
3 Claims. (Cl. 97—47)



2. A cultivator attachment for a tractor having a pair of parallel longitudinally extending spaced apart supporting members comprising a cross bar extending transversely of and intermediate the ends of said supporting members and mounted on said members for sliding movement therealong, a beam extending longitudinally beneath said supporting members and having one end slidably and pivotally mounted on said cross bar for sliding movement therealong and for rocking movement about said cross bar as a pivotal axis, means carried by said supporting members and operatively connected to the other end of said beam for fixedly positioning the latter in a select position of said sliding and rocking movement, and harrow teeth on opposite sides of and dependingly carried by said beam.

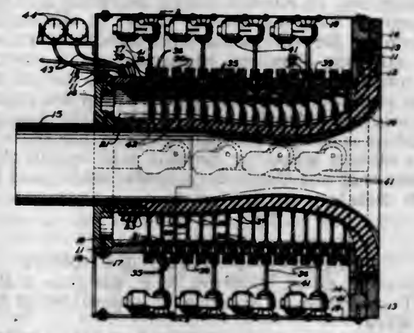
2,560,632
STABILIZING CRACKED DISTILLATE
Paul H. Carnell, Albion, Mich., assignor to Leonard Refineries, Inc., Alma, Mich.
No Drawing. Application September 30, 1949, Serial No. 119,011
13 Claims. (Cl. 44—77)

1. A process for stabilizing catalytically cracked furnace distillate against color and sludge formation which comprises dissolving formaldehyde therein.

2,560,633
METHOD OF STABILIZING CATALYTICALLY CRACKED FURNACE DISTILLATES AND COMPOSITIONS THEREFOR
Russell F. Stedman, Alma, Mich., assignor to Leonard Refineries, Inc., Alma, Mich., a corporation of Michigan
No Drawing. Application May 15, 1951, Serial No. 226,527
17 Claims. (Cl. 44—72)

1. The method of stabilizing catalytically cracked furnace distillates which comprises dissolving therein a small proportion sufficient to inhibit color and sludge formation, of each of the following: formaldehyde and an aliphatic monoamine having two to twenty carbon atoms in the aliphatic chain.

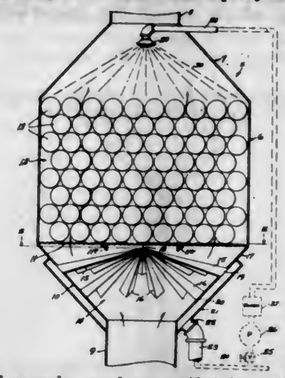
2,560,634
ADJUSTABLE FLUID PASSAGE
Russell S. Colley, Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 30, 1946, Serial No. 700,284
16 Claims. (Cl. 138—45)



1. A fluid passage comprising a housing structure, a flexible, stretchable, circumferentially continuous lining tube disposed in said structure for use in the stretched condition, a plurality of elements interposed between said structure and said tube, means for mounting said elements on said lining in attached relation thereto and means for moving said elements inward and outward relative to said structure for stretching and flexing said lining to vary the contour thereof.

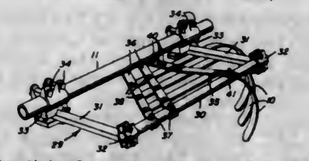
2,560,635
GAS CLEARING APPARATUS
Lloyd A. Conyers, Compton, Calif.
Application January 27, 1948, Serial No. 4,684
6 Claims. (Cl. 261—98)

3. Apparatus for clearing gas comprising a casing having a funnel-shaped bottom, said bottom being adapted to be embracingly mounted over a flue gas discharge outlet, a funnel-shaped shell surrounding said funnel-shaped bottom and spaced from the latter to thereby form a collection chamber, a plurality of troughs arranged in end-to-end downwardly sloping and abutting relation positioned within said funnel-shaped bottom adjacent the upper end thereof and each having the lower end extending through the wall of said funnel-shaped bottom and in communication with said collection chamber, a spray head positioned in said casing adjacent to and spaced from the top thereof for the discharge therethrough of a liquid under pressure, a conduit extending through said casing and connected to said spray head for conveying said liquid under pressure to said spray head from a



source of supply, and an outlet in said collection chamber for the discharge of said liquid collected in said collection chamber.

2,560,636
CULTIVATOR EQUIPMENT FOR TRACTORS
Wade H. Crenshaw, Monroe, Ga.
Application February 27, 1948, Serial No. 11,720
4 Claims. (Cl. 97—175)

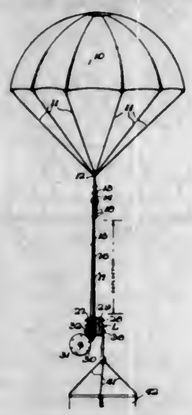


1. A draft tool for farming, said tool including, a gang of substantially side-by-side implements, spacing bars disposed across said implements and pivotally connected with the same, a draw bar disposed substantially longitudinally with the intended direction of draft of said implements, a lateral extension from said draw bar and including a portion on opposite sides of said implements from said draw bar for swinging vertically to different positions with the latter affording an axis, said spacing bars having ends connected with said portion of the lateral extension to swing the pivotally connected implements and thus vary the spacing between the latter, and means for securing a free-to-swing end of at least one of said spacing bars to position corresponding to desired setting of the implements.

2,560,637
PARACHUTE INITIAL PEAK LOAD REDUCER
Donald B. Doolittle, Wilmington, Del., assignor to All American Airways, Inc., Wilmington, Del., a corporation of Delaware
Application October 17, 1949, Serial No. 121,858
3 Claims. (Cl. 244—151)

1. An energy absorbing fall arresting unit for parachutes comprising a brake assembly including a plurality of stacked superimposed brake shoes, a pair of exterior holding plates mounted on each side of the brake shoe stack, a flat sheet of yieldable means between the inner face of at least one of said holding plates in pressing contact with the top surface of the top shoe of the stack, a plurality of superimposed ribbons sandwiched between the said stacked brake

shoes, said ribbons being coupled together only at the ends, a housing united with the brake assembly in which to coil the said ribbons from



one end thereof, a coupling on the opposite end for connection to a parachute, and means associated with the housing to couple the said unit to load.

2,560,638

MANUFACTURE OF CELLULOSE

Henry Dreyfus, deceased, late of London, England, by Claude Bonard, administrator, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 3, 1945, Serial No. 620,182. In Great Britain March 16, 1944 Section 1, Public Law 690, August 8, 1946 Patent expires March 16, 1964

8 Claims. (Cl. 92—16)

1. Process for the production of cellulose from ligno-cellulosic materials, which comprises predigesting the materials with a hot dilute alkali solution, then rendering lignin in the materials soluble in a caustic alkali solution of ½% to 2½% concentration, while at this stage retaining said lignin in the materials, by heating the materials under atmospheric pressure with an 85–95% aqueous alkyl monohydric alcohol having 1 to 3 carbon atoms in the molecule and containing ½–2½% of hydrogen chloride (calculated on the weight of the aqueous alcohol), removing the aqueous alcohol from the materials, and subsequently treating the materials with a ½–2½% aqueous alkali solution whereby the solubilized lignin is removed therefrom.

2,560,639

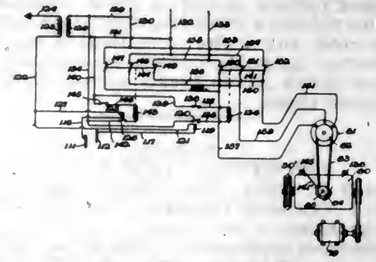
CONTINUOUS CASTING OF METAL

Jean V. Giesler and Hugh E. Kaserman, Knoxville, Tenn., assignors to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware

Original application July 7, 1947, Serial No. 759,360. Divided and this application December 13, 1948, Serial No. 64,966

4 Claims. (Cl. 22—57.2)

1. Means for controlling the level of molten metal in the molding chamber of a continuous casting device having means for admitting molten metal to the molding chamber and means for removing solidified metal from the molding chamber comprising: variable speed means driving the metal removing means, said variable speed means including a control member movable through a range of controlling positions for setting the driving speed; a reversible electric motor for controlling the position of said control member, said motor being adapted to move said control member in a speed-increasing direction upon rotation of said motor in one direction and to move said control member in a speed-decreasing direction upon rotation in the opposite direction; a pair of electrodes projecting into the molding chamber, the lower extremity of one of said electrodes being below the lower extremity of the other of said



electrodes; an electric circuit including said other electrode and the molten metal in the molding chamber for energizing said motor for rotation in said one direction when said other electrode is contacted by the molten metal; a second electric circuit for energizing said motor for rotation in said opposite direction; and electric means including a circuit through said one electrode and the molten metal for opening said second circuit when said one electrode is contacted by said molten metal.

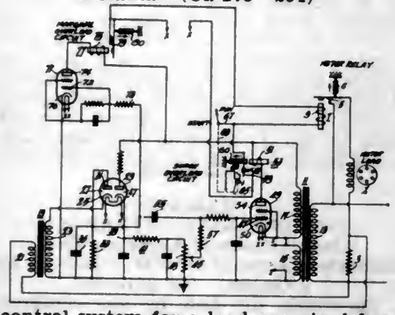
2,560,640

ELECTRONIC CONTROL CIRCUIT

Lowell H. Good, Riverton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 18, 1945, Serial No. 589,074

1 Claim. (Cl. 175—294)



A control system for a load energized from an A. C. power source comprising a source of A. C. potential for energizing said control system, an impedance serially connected with said load such that the potential across said impedance is proportional to the A. C. load current, means stepping up said potential and isolating said stepped-up potential from said energizing potential and from said power source, means rectifying said stepped-up potential such that a D. C. negative potential is produced which is proportional to said load current, a thermionic discharge tube, including a control grid, means applying a normal positive D. C. biasing potential to said control grid for maintaining said tube normally conductive, a relay connecting said load to said power source when said tube is conductive and disconnecting said load when said tube is non-conductive, and means applying said negative D. C. potential to said control grid only during periods when a rapid increase in potential occurs across said impedance, whereby said tube is rendered non-conductive.

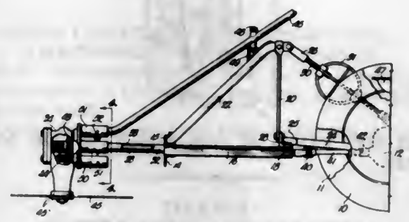
2,560,641

TREE-FELLING AND LOG-CUTTING SAW ATTACHMENT FOR TRACTORS

Gilbert A. Goodlet, Windsor, Mo.

Application December 18, 1947, Serial No. 792,356

11 Claims. (Cl. 143—43)



2. A tractor saw attachment, comprising a rigid frame detachably mounted for controlled vertical swinging adjustment on the rear of the tractor, said frame having laterally spaced side rails connected by forward and rear cross pieces, an elongated carriage having its forward end pivoted to the forward cross piece and extending rearwardly across the rear cross piece with its free rear end beyond said frame, a holding coupling between said carriage and said rear cross piece where they cross for holding said carriage to said rear cross piece while permitting the carriage to travel along the rear cross piece as the free end of the carriage swings about said pivot, a saw rotatably mounted on the free end of the carriage, and a shaft on the carriage connected to the saw and driven in all positions of the saw by the tractor motor.

2,560,642

TREATMENT OF PITCHES OR TARS AND THE MANUFACTURE OF MOLDED ARTICLES THEREFROM

Charles Desmond Greaves, London, and Derek Bryce Smith, Woodford Green, England, assignors to C. D. Patents Limited, London, England, a British company

No Drawing. Application September 16, 1947, Serial No. 774,410. In Great Britain June 19, 1946 Section 1, Public Law 690, August 8, 1946 Patent expires June 19, 1966

8 Claims. (Cl. 18—47.5)

1. A process for producing moulded products from pitch which comprises the steps of preparing a solution of pitch comprising one part of pitch in three parts of naphtha by weight, admixing therewith 2½ parts of carbon black to 30 parts by weight of said solution, polymerizing the solubilized pitch by agitating the admixture and adding thereto at a temperature above 100° C. one part by weight of concentrated sulphuric acid, recovering the polymerized pitch precipitated by the last named addition, washing and drying the precipitate so recovered, moulding the washed and dried precipitate to the required shape, and subjecting the moulded shape to heat treatment.

2,560,643

NAIL WITH SPREADING POINTS

Robert Lay Hallock, Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union Township, N. J., a corporation of New Jersey

Application August 1, 1945, Serial No. 608,190

1 Claim. (Cl. 85—31)



A nail of malleable material for securing a first body of relatively hard material having a preformed aperture therein to a second body of relatively softer material, said nail comprising a shank portion bifurcated to provide two adjacent prongs extending from the penetrative end of the nail for a substantial distance along the length of the nail, said prongs having sharpened juxtaposed ends capable of entering said aperture and said prongs being bowed outwardly away from each other in the plane of bifurcation, the penetrative end of each prong lying to the side of the axis of the nail opposite that to which the prong is bowed, said prongs being bowed to an extent such that the transverse distance across the prongs at a place intermediate their ends is greater than the diameter of said aperture to cause said bowed portions to be engaged by the wall of the aperture when the nail is driven therethrough to thereby move the intermediate portions of the prongs toward each other in the plane of bifurcation and cause the penetrative ends of the prongs to follow obliquely diverging paths in said plane in said second body of material.

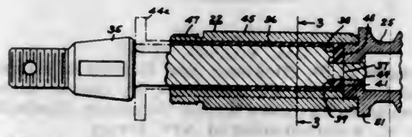
2,560,644

FLEXIBLE SHAFT COUPLING

Herman L. Hartzell, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 14, 1945, Serial No. 582,761

6 Claims. (Cl. 64—14)



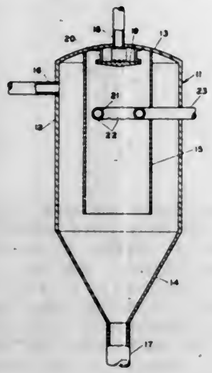
1. A shock absorbing drive shaft unit comprising; a shaft having external fluted portions; a sleeve having internal fluted portions about the shaft; a fluted sleeve of yieldable material under radial compression and longitudinal elongation disposed between the shaft and sleeve to effect a yieldable driving connection between the shaft and sleeve; a gear element secured to one end of the sleeve and having an opening; a reduced portion carried by the shaft extending loosely through the opening of the gear element; and connecting means carried by the reduced portion of the shaft to associate the shaft with the gear element.

2,560,645

METHOD OF SEPARATING HIGH CONDENSATION POINT MATERIALS FROM HYDROCARBONS

George E. Hays, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 28, 1947, Serial No. 788,407
5 Claims. (Cl. 260—450)



1. The method of separating high condensation point materials from a predominantly hydrocarbon vapor stream which comprises the steps of tangentially introducing said vapors into a first annular separation zone; passing said vapors and any material condensed therefrom helically downwardly therein, whereby said condensed material is separated from said vapors by its own inertia and gravity; passing said vapors upwardly and inwardly into a second separation zone; injecting a water fog spray into the upper portion of said second separation zone at a rate sufficient to vaporize substantially all of said water by direct heat exchange with said rising vapor stream, thereby cooling said vapor stream by removing heat therefrom as heat of vaporization of the water; separating liquid and vapor material in said second separation zone; removing water and stream vapors from the upper portion of said second separation zone; accumulating liquid and other condensed material in a collection zone below said separation zones; and removing said liquid and other condensed material from said collection zone.

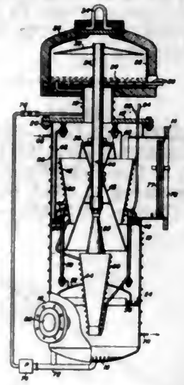
2,560,646

OIL VAPOR PUMP

Kenneth C. D. Hickman and George A. Kuipers, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 4, 1948, Serial No. 31,074
8 Claims. (Cl. 230—101)

1. An oil vapor pump comprising in combination a vertical casing, gas-tight closure means at the top and bottom of said casing, an inlet port in said casing for gases being pumped, an outlet port in said casing spaced from said inlet port, boiler means generally vertically above said casing, means for heating said boiler means, a vapor tube leading from a point near the top of the interior of said boiler means through the top closure means to the interior of said casing, a nozzle connected to said vapor tube, a diffuser arranged to operate in conjunction with said nozzle, said diffuser being supported from said top closure means, means for cooling said diffuser, and pump and conduit means for returning fluid



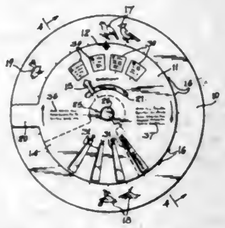
from the bottom of said casing to said boiler means.

2,560,647

EDUCATIONAL GAME DEVICE

Thomas Higgins, Astoria, N. Y.

Application May 4, 1949, Serial No. 91,359
6 Claims. (Cl. 35—74)



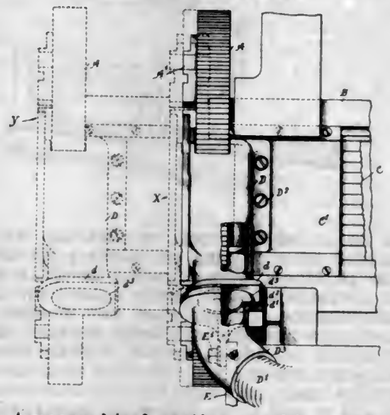
1. An educational wheel device, comprising a basal disk, a primary wheel in front of but smaller than said basal disk, a segment interposed between said wheel and disk, a means for revolubly mounting the wheel on the disk and also for rotatively mounting the segment on the disk, a finger-piece means carried by the wheel for facilitating manual revolving of the same relative to the disk, a finger-piece means carried by said mounting means and fixed relative to the segment and projected upwardly above the wheel for facilitating manual rotation of the segment relative to the wheel in any position of the latter relative to the disk, a plurality of pictorial representations carried by the upper surface of the disk and spaced therearound where the disk is projected beyond the wheel, each of said representations being different but each graphically picturizing a different member of a related group of objects to be studied, a primary index visibly carried by the wheel and disposable on rotation of the wheel opposite any particular selected one of said representations, a group of questions carried by the upper surface of the wheel, said questions common to all of said representations, a secondary index carried by the segment and arranged for travel over the upper surface of the wheel for disposition on rotation of the segment relative to the wheel opposite any particular selected one of said questions, a series of legends constituting accurate answers to all of said questions as applied to any of said representations, said legends arranged substantially radially around an annular subdivision of the upper surface of the disk the outer limit of which is defined by the periphery of the wheel, said wheel being substantially radially slotted with such slotting arranged for the display therethrough of the appropriate one of said legends according as said primary index is then opposite a particular one of said representations and according as said secondary index is then opposite a particular one of said questions, said segment being of such extent to cover said legends aligned with the radial slots and arranged to move clear of said legends successively as said secondary index is moved from question to question to expose the proper legend through the proper radial slot.

2,560,648

MOLD COOLING SYSTEM FOR TYPOGRAPHICAL CASTING MACHINES

John H. Hilpman, Springfield, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York

Application February 4, 1948, Serial No. 6,186
2 Claims. (Cl. 199—56)



1. A typographical casting machine equipped with a rotatable mold disk and a supporting slide therefor movable forwardly and backwardly to a limited extent during each machine cycle, said slide when the machine is at rest being movable forwardly beyond its normal operating position to facilitate the cleaning or repair of the casting parts, as well as with a mold cooling system comprising an air discharge nozzle mounted on the supporting slide so as to be movable therewith, and an air supply hose leading to the nozzle, characterized in that the air discharge nozzle is provided with a hose connecting extension mounted on a stationary part of the machine and which therefore remains at rest during the movements of the mold slide, and in that said nozzle and extension are formed at their meeting ends with opposed flat joint seats slidably fitted together and extending in the direction of movement of the mold slide, said joint seats being wide enough to maintain an operative air-tight connection between the discharge nozzle and the hose extension in all operative positions of the mold disk, and said joint seats being free to slide out of mating relation to each other to permit the discharge nozzle to break connection automatically with the hose extension when the mold slide is moved forward beyond its normal operating position, and said joint seats also being free to slide back into mating relation to each other to permit the discharge nozzle to re-make connection automatically with the hose extension when the mold slide is returned to its normal operating position.

2,560,649

DISPOSABLE CLEANER DEVICE

William H. D. Hornaday, Los Angeles, Calif.

Application July 19, 1948, Serial No. 39,400
19 Claims. (Cl. 15—208)



1. A cleansing device comprising a flexible bag containing a solid cleaning composition which effervesces when wetted, the wall of said bag being readily permeable by water passing through the wall into said solid composition and including a material initially readily permeated by fluids released by said composition upon its effervescence and thereafter disintegrable in water, said composition being enclosed within the bag so that the rate of water passage into the bag and the fluid release therefrom are controlled by the permeability of the bag wall.

2,560,650

PROCESS FOR MODIFYING, SOLIDIFYING, AND INSOLUBILIZING ASPHALTS

Max Kronstein, New York, N. Y.

No Drawing. Application September 1, 1948, Serial No. 47,347
16 Claims. (Cl. 196—22)

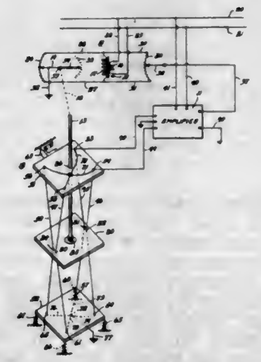
1. A process for modifying, solidifying and insolubilizing asphalts which comprises treating said asphalts with not less than about 4 per cent by weight of a peroxide selected from the group consisting of hydrogen, alkyl, aryl and alkyl aryl peroxide at a temperature sufficient to effect the release of free oxygen in said asphalt whereby to obtain a solidified asphalt which is insoluble in naphtha and toluene.

2,560,651

HEAT MOTOR FOLLOW-UP SYSTEM

Robert J. Kutzler, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

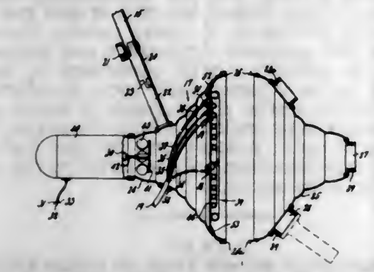
Application August 4, 1948, Serial No. 42,507
7 Claims. (Cl. 318—29)



1. An electronic amplifier having a reversible output, a balanceable impedance network electrically connected to said amplifier for provid-

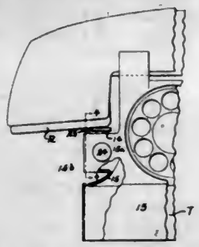
ing an input thereto, sensing means for unbalancing said bridge, a reversibly rotatable shaft, a plurality of pairs of thermally expansible wires connected to said shaft for reversible rotation thereof upon selective heating of said wires, means electrically connecting said wires to said amplifier for selective electrical heating of said wires, and control means operated by said shaft to cause said network to approach rebalance upon rotation of said shaft by said wires.

2,560,652
LAMP FOR THERAPEUTIC TREATMENTS
Fred Landauer, Rockville Centre, N. Y.
Application December 20, 1947, Serial No. 792,982
5 Claims. (Cl. 128—396)



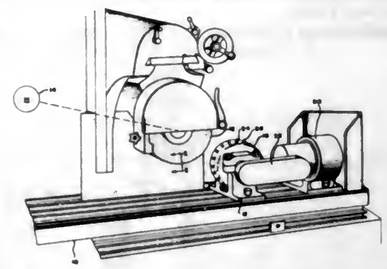
1. In a therapeutic apparatus, in combination, a housing, a plurality of radiating elements, a perforated, substantially disc-shaped support for said elements and removably secured to said housing, respective circuit means adapted to energize said elements, whereby said elements emit different types of radiation, respectively, and closable outlet means connected to and positioned forwardly of said housing, some of said outlet means forming an angle with respect to the axis of said housing and being adapted to guide a predetermined degree of radiation to the outside of said housing.

2,560,653
LIGHTING ATTACHMENT FOR TELEPHONES
Marie K. Laporte, Arlington, Va.
Application December 21, 1949, Serial No. 134,243
3 Claims. (Cl. 179—90)



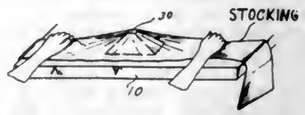
2. A lighting attachment for telephones of the conventional desk hand set and dial type comprising in combination a thin ornamental, plastic shell dimensioned to snugly conform to and embrace a telephone of the desk, hand set type, said shell having an opening formed in its front wall through which the dial projects when said shell is applied to the base, an electric light mounted upon an outside face of said shell and adjacent the front wall thereof in a position to illuminate the face of the dial when lighted, and to aid in illuminating the room in which the telephone is located, an electric circuit in which said light is included, a source of current for said circuit, a circuit closing member in said circuit constituting an electric switch which is mounted upon and carried bodily by said shell and is so positioned as to lie in the path of movement of the handset and arranged to interrupt the circuit when the handset is placed in idle position upon the telephone and to complete the circuit and light the light and illuminate the outer face of the dial when the handset is lifted from the telephone.

2,560,654
DEVICE FOR DRESSING GRINDING WHEELS
Floryan Lohutko, Detroit, Mich., assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application December 14, 1948, Serial No. 65,257
2 Claims. (Cl. 125—36)



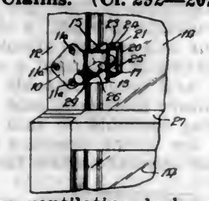
1. In a dressing tool for grinding wheels, a rotatable wheel having an axially projecting annular peripheral flange, radial inwardly tapered and co-planar bores equally spaced around the circumference of said flange, tool members having abrasive heads of a sintered material containing silicon carbide extending radially from said flange and tapered body portions supporting said abrasive heads, said body portions being seated in one end of said bores, fastening means extending into said bore from the opposite end of said bores and detachably holding said tool members in said bores.

2,560,655
METHOD OF MENDING KNITTED FABRICS FORMED OF THERMOPLASTIC THREAD
Albert T. McMain, Philadelphia, and Nicholas A. Malesky, Phoenixville, Pa., and Mansfield F. Skaggs, Nashville, Tenn., assignors, by mesne assignments, to Reconstruction Finance Corporation, Philadelphia, Pa., a corporation of the United States of America
Application September 12, 1947, Serial No. 773,592
1 Claim. (Cl. 66—1)



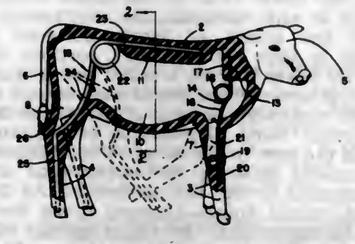
The method of improving the appearance of a knitted fabric which is formed of thermoplastic thread and a thread of which has been displaced from its normal position in the fabric, which method consists in working said thread back into place in the fabric, stretching the portion of the fabric in which said displaced thread is located to cause said thread to assume a smooth and uniform appearance, and subjecting said thread, while it is so stretched, to pressure and heat sufficient to soften but not to melt such thread to cause said thread to retain said smooth and uniform appearance.

2,560,656
WINDOW VENTILATING LOCK
Samuel H. Melnick, Chicago, Ill.
Application April 26, 1949, Serial No. 89,645
3 Claims. (Cl. 292—202)



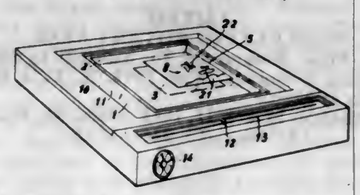
2. A window ventilating lock, comprising: a bracket adapted to be fastened to a window frame and including a plate portion adapted to project free of said window frame, said plate portion having an edge opening comprising a substantially circular portion and a throat portion extending from said edge to said circular portion, the width of said throat portion being less than the internal diameter of said circular portion, a link and means hingedly securing said link to said bracket for rotation about an axis spaced from and substantially parallel to said plate portion, a rod rotatably secured at one end thereof to said link, the longitudinal axis of rotation of said rod being substantially perpendicular to the axis of rotation of said link, the diameter of said rod being only slightly less than the internal diameter of said circular portion, said rod having intermediate the two ends thereof two substantially parallel flats whereby said rod may be turned to traverse said throat portion, and whereby said rod may be locked to said plate portion upon turning said rod so that said flats are misaligned with the sides of said throat portion.

2,560,657
DUMMY CALF
David A. Nogle, Spokane, Wash.
Application March 25, 1950, Serial No. 151,848
5 Claims. (Cl. 46—161)



1. A dummy animal comprising side sections formed of pliable elastic material and firmly secured to each other, said sections forming a hollow body having front and rear legs extending downwardly therefrom and a forwardly extending neck and head, the contacting upper portions of the side sections being inwardly thickened and forming a thick back for the body, the neck-forming portions of said sections being solid and having portions extending into the front end of the body and forming a shoulder disposed in upwardly spaced relation to the front legs, the said front and rear legs having hollow upper portions and solid lower portions, and resilient members yieldably holding the front and rear legs in position to support the dummy animal in a standing position, the resilient members for the rear legs each consisting of a strand of resistant metal coiled to form a spring disposed in the upper portion of the hollow body rearwardly of the thickened back and arms extending forwardly from the spring and downwardly from opposite sides of the spring, said forward arm imbedded in the thickened back and the downwardly extending arm entering a rear leg and embedded longitudinally in the lower portion of said rear leg, and the resilient members for the front legs being each formed from a resistant strand coiled to form a spring, disposed in the front portion of the body and having an arm extending upwardly therefrom and embedded in the shoulder and a downwardly extending arm extending downwardly through the hollow upper portion of a front leg and coiled to form a second spring disposed at the bottom of the hollow upper portion of the said front leg and provided with a downwardly extending arm embedded longitudinally in the solid lower portion of the front leg and plugs fitted tightly in the hollow portions of the front legs and holding the resilient strands firmly in place.

2,560,658
PROCESS AND PROJECTION MEANS FOR OBTAINING STEREOSCOPIC DRAWINGS
Eugenio Jordana Pareto, Barcelona, Spain
Application June 11, 1946, Serial No. 676,082
In Spain November 17, 1945
5 Claims. (Cl. 88—24)

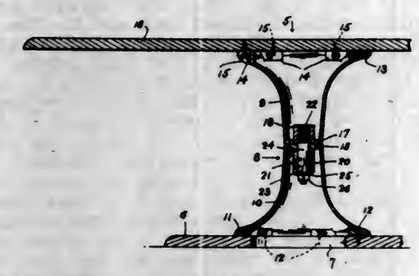


1. A process for making sets of translucent stereoscopic drawings for viewing and comprising the steps of mounting a transparent sheet containing a master drawing in an apparatus such that it is laterally movable parallel to and adjacent a similar sheet on which a complementary drawing is to be made, associating with the mounting means of the master drawing sheet a pointer moving over a scale means, calibrated to indicate stereoscopic displacements corresponding to varying distances of points on the master drawing from the eye of the viewer, indicating on the sheet carrying the complementary drawing the position of the points on the master drawing indicated by the pointer after moving the master drawing in accordance with the scale means, and making the complementary drawings of the master drawing at the points indicated by the pointer.

2,560,659
ROTATING PEDESTAL TABLE
Arsene Harry Payeur, Ann Arbor, Mich.
Application March 7, 1949, Serial No. 79,994
1 Claim. (Cl. 311—32)

A rotatable pedestal table comprising a round base having an enlarged hole in its center, a hollow substantially conical lower pedestal member secured at its enlarged end to the base over the

hole therein, an elongated and downwardly extending sleeve having a smooth bore formed on the upper end of the lower pedestal member, a hollow upper pedestal member of substantially inverted conical configuration rotatably resting on the upper end of the lower pedestal member, a sleeve of lesser length than the first mentioned sleeve formed on the lower end of the upper pedestal member and extending upwardly there-



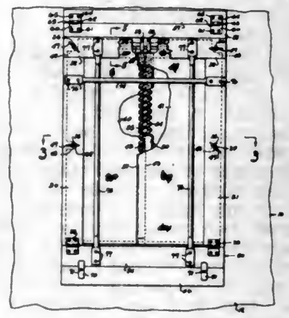
from, an elongated cylindrical stud rigidly secured in the sleeve of the upper pedestal member and having a smooth lower portion rotatably extending through the smooth bore of the sleeve formed on the lower pedestal member, a washer on the lower end portion of the stud, a nut threaded on the lower end of the stud bearing against the washer and rotatably securing the upper and lower pedestal members together, and a table top secured to the upper enlarged end of the upper pedestal member.

2,560,660
NONLEAKING ROTARY SEAL
John J. Piros, Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application March 11, 1949, Serial No. 80,795
1 Claim. (Cl. 286—11.15)



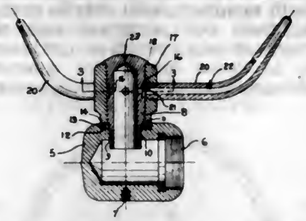
A rotary seal for use in transmission of mechanical power into an evacuated space comprising a rubber tube adapted to be connected with said evacuated space, a stationary member of tetrafluoroethylene polymer having a bore extending centrally therethrough and including an inner portion disposed within said tube and an outer portion, said outer portion having an annular recess which provides a first annular sealing face at the inner surface thereof, a rotatable member having an opening therein and including a second annular sealing face in engagement with said first sealing face, a rotary shaft disposed within said opening and extending freely through said bore into said evacuated space, set screw means in said rotatable member engaging said rotary shaft for rigidly connecting said rotary shaft to said rotatable member, sealing means attached to said set screw means and said rotatable member for preventing leakage therebetween, a rod extending from and in fixed relation to said rotatable member, a sleeve slidably positioned about said rod and adapted to be connected to a stirring motor, and a spring affixed to said sleeve and said rotatable member for transmitting rotary motion to said rotary shaft, said sleeve being movable on said rod to allow adjustment of the spring pressure between said first and second annular sealing faces.

2,560,661
KENNEL CLOSURE
Charles E. Poovey, Charlotte, N. C.
Application January 24, 1949, Serial No. 72,335
1 Claim. (Cl. 160—179)



A closure member for openings in kennels and the like comprising a framework, a pair of sheets of fabric material, the proximate edges of which overlap each other, means for securing the top edge of the sheets of fabric material to the framework at the top edge of the opening in the kennel, the lower ends of the sheets being free to swing in any direction, the overlapping portion of the sheets of fabric material being hemmed to thus form tubular portions at the proximate edges thereof, a coiled spring mounted within the hemmed portion of each of said sheets of fabric material, the hem of one sheet of fabric material being disposed in overlapping relation to the hem in the other sheet of fabric material, means securing the upper ends of said coiled springs to the top portion of the framework at spaced points disposed along the axes of the springs so that the coiled springs will depend from the upper wall of said opening, the lower ends of the coiled springs being free for swinging movement, whereby upon the proximate edges of the sheets of fabric material being engaged by the nose of an animal they will be forced apart from each other to permit the animal to pass therebetween and whereby, upon the animal having passed between the proximate edges of the sheets of fabric material the weight of the coiled springs will urge the proximate edges of the sheets of fabric material to original overlapping position.

2,560,662
LAWN SPRINKLER
Nelson M. Rieger, Miamisburg, Ohio, assignor to The Rieger Manufacturing Company, Miamisburg, Ohio, a corporation of Ohio
Application March 1, 1946, Serial No. 651,227
6 Claims. (Cl. 299—18)



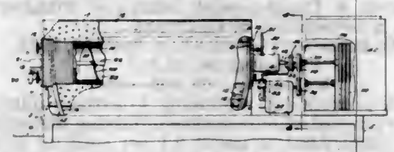
6. A lawn sprinkler comprising a hollow base having means whereby it may be connected with a source of water supply, said base having in the top wall thereof a screw threaded opening and an exterior recess surrounding said opening, an annular member of yieldable material in said recess, an annular washer of hard material supported on said yieldable member, a tubular spindle closed at its outer end and having a screw threaded lower end portion of reduced diameter mounted in said opening and having shoulder engaging said washer, the upper portion of said spindle having a circumferential series of ports spaced one from the other in a plane transverse to said spindle, the cylindrical outer surface of said upper portion having channels extending chordwise thereof across the other ends of said ports, a tubular member mounted on said spindle for rotation with relation thereto, said spindle having at its upper end an outwardly extending part to engage said tubular member and hold the same against upward movement with relation thereto, said tubular member having a circumferential series of openings spaced one from the other in the plane of said ports, said openings being less in number than said ports and reaction nozzles carried by said tubular member and connected with the respective openings therein, whereby the water discharged from said nozzles will define a spray pattern having substantially straight line boundaries, said spindle having thereon a mark adjustable with relation to said nozzles by the rotation of said spindle to a position in which it will indicate the position of one of said straight line boundaries with relation to said base.

2,560,663
SKI AND ITS METHOD OF MANUFACTURE
Abel Rossignol, Voiron, France
Application July 11, 1947, Serial No. 760,412
In France March 18, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 18, 1962
6 Claims. (Cl. 280—11.13)



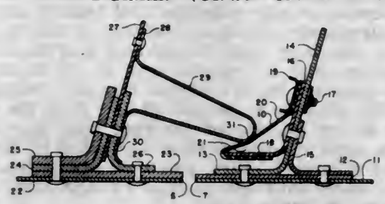
4. A pair of skis comprising two skis including each respectively one of the two boards obtained through the ripping of a shaped lath to form the lower members of the skis, each board having its ripped surface directed downwardly, and an upper board having a shape similar to that of the corresponding lower board and contacting with said corresponding lower board along a surface the transverse cross section of which is constituted by a straight line extending throughout the breadth of the skis, the grains of the superposed boards of each ski being orthogonal with reference to one another.

2,560,664
CUSTARD DISPENSER
John Louis Sammy, Gary, Ind.
Application March 8, 1948, Serial No. 13,572
1 Claim. (Cl. 62—114)



In a custard dispenser the combination, with a freezing cylinder and a pump for forcing mix into said cylinder, of a feed line communicating between the pump and freezing cylinder, said feed line including a vertical supply pipe opening at its lower end from the pump and closed at its upper end, and a lateral branch communicating at one end with the supply pipe at a short distance below the closed upper end portion of said supply pipe, and opening at its other end into the cylinder, said pipe being of one-piece formation and the upper end portion thereof having a counterbore extending from a location above the intersection of the pipe with said lateral branch to a location below said intersection to define an annular ball seat integrally formed in the supply pipe immediately below the location at which the supply pipe communicates with the lateral branch; a ball disposed in and formed to the diameter of the counterbore and normally seating by gravity upon the ball seat to prevent backward movement of mix through the lateral branch and downwardly into the supply pipe; and said ball adapted to be moved upwardly into the closed upper end portion of the supply pipe to clear the supply pipe and branch for movement of mix therethrough, when said pump forces mix upwardly through the supply pipe.

2,560,665
DOOR SEAL FOR PRESSURIZED AIRCRAFT
William N. Stark, Kirkland, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application February 25, 1946, Serial No. 649,832
1 Claim. (Cl. 20—69)



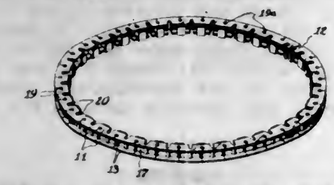
A door arrangement for an enclosure comprising a frame member having a projecting peripheral contact element fixedly supported thereon, a movable closure member hinged on one side to said frame member, said closure member including a peripheral supporting angle fixedly secured thereto, a resilient diaphragm in a state of initial tension secured to opposite legs of said angle forming a pocket bounded by said angle and said

diaphragm, said diaphragm being sealingly engageable with said contact element, and a vent communicating said pocket with the enclosure sealed by the engagement of said diaphragm and said contact means.

2,560,666
PROCESS FOR PRODUCING 4-TERTIARY-BUTYL-3-METHYLPHENOL
Donald R. Stevens, Wilkinsburg, and Robert S. Bowman, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application April 16, 1948, Serial No. 21,568
3 Claims. (Cl. 260—624)

2. A process for producing 4-tertiary-butyl-3-methylphenol which consists of mixing metacresol with about 0.001 to about 0.1 per cent by weight of concentrated sulfuric acid, introducing isobutylene into the metacresol-sulfuric acid mixture at an alkylating temperature between about 0° and about 40° C. until the molecular ratio of isobutylene to metacresol in the resulting reaction mass is between about 0.4:1 and 1.5:1, contacting said reaction mass with an aqueous solution of caustic soda of not over 15 per cent strength, recovering an extract portion and a raffinate portion, acidifying the extract portion whereupon an oil layer and an aqueous layer are formed, separating the oil layer from the aqueous layer, neutralizing the oil layer, and fractionating the neutralized oil layer to separately recover metacresol and 4-tertiary-butyl-3-methylphenol.

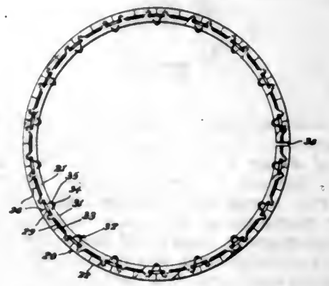
2,560,667
PISTON RING
Teresa Stevenson, Summit, N. J.
Application May 7, 1949, Serial No. 92,031
15 Claims. (Cl. 309—45)



1. A piston ring comprising two parallel and spaced apart wear-surface members having a plurality of cuts and slits therein, said cuts being open and the slits being closed, said cuts and slits being disposed in a circular series in each of said members, and a resilient retainer interposed between said members and having pintles projecting therefrom into said cuts of said members for exerting radial tension on said members in contact with a cylinder wall in an outward radial direction, said resilient retainer having a plurality of vents to permit oil flow from the exterior to the interior of the ring, and the contiguous sides of each of said slits being in direct contact with each other, and the radially inward end of each said slit having an aperture terminating the slit thereat.

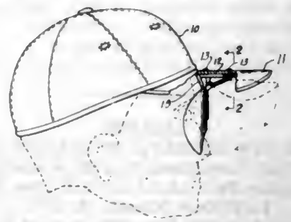
2,560,668
PISTON RING
Teresa Stevenson, Summit, N. J.
Application September 2, 1949, Serial No. 113,733
12 Claims. (Cl. 309—45)

1. A piston ring comprising a pair of oil-scraping split-ring annular members each having a series of circumferentially spaced slits each partially severing the ring member to facilitate bending of the member in the plane of the member, and each member having a corresponding circular series of apertures spaced from one another in a circumferential direction and spaced from and located between the inner and outer peripheries of said members, said slits in each member extending from one periphery and each to a different one of said apertures, the sides of each slit being in closed contact for deterring entry of oil through the slit to the aperture, and a



resilient spacer between said members, said spacer having member-engaging means projecting laterally from the spacer at locations thereon corresponding to alternate apertures in the members and engaged only in said alternate apertures, said spacer having means between said projecting means extending transversely of the members and normally protruding past the inner peripheries of said members and thereby adapted to engage the bottom of a ring-receiving piston groove in use as an abutment from which outward pressure will be applied to said spacer and its member-engaging means and member.

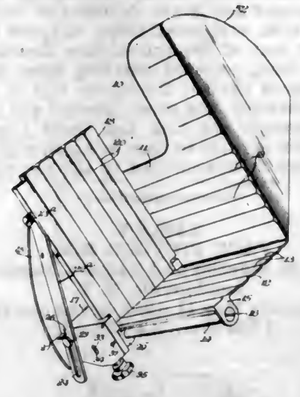
2,560,669
EYE SHIELD
Humberto Vaca, Detroit, Mich.
Application February 12, 1948, Serial No. 7,802
4 Claims. (Cl. 2—10)



1. An eye shield attachment for a cap or the like comprising a support attached to the underside of the bill of the cap, a hinge member pivotally mounted on support member, a shield carried by said hinge member and pivotable therewith downwardly to an operative position depending from the bill of the cap and upwardly to an inoperative position underlying the bill, a bearing member on said hinge spaced from the pivotal connection between said hinge and support members, and a coil spring pivoted at one end on said support member and acting against said bearing member at the other end, said bearing member being disposed on opposite sides of a line through the pivotal connection between said hinge and support members and the pivotal

connection between said spring and support member when the shield is disposed in said operative and inoperative positions.

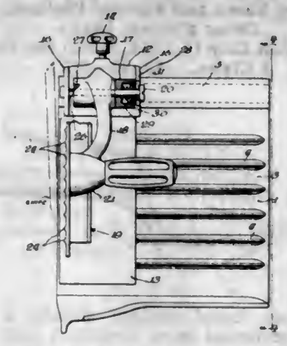
2,560,670
SLICING MACHINE FOOD PUSHER
Adrianus van Duyn, Hilligersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind., a corporation of Indiana
Application May 10, 1947, Serial No. 747,237
14 Claims. (Cl. 146—102)



1. A slicing machine substance support movable in a plane parallel with the cutting plane, a substance pusher movable with and also across the support toward the cutting plane, said pusher embodying two sections, means slidably connecting one of said sections to the support, and pivot means extending normal to the support pivotally connecting one end of the other of said sections to the adjacent end of said one section whereby said other section may be positioned either at an angle to the first said section and to the said support, to push the substance towards the cutting plane, or in a plane parallel with the said support, to itself form a substance support.

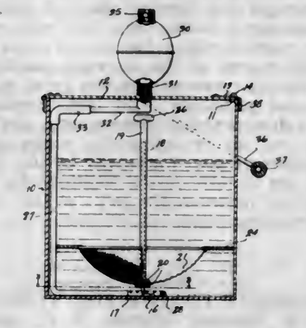
2,560,671
SLICING MACHINE FOOD PUSHER
Adrianus van Duyn, Hilligersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind., a corporation of Indiana
Application May 14, 1948, Serial No. 27,073
In Great Britain May 28, 1947
3 Claims. (Cl. 146—102)

1. A slicing machine comprising a reciprocal food carriage, a food pusher adapted for slidable movement on said carriage, a pusher support carried by the carriage, a pair of spaced walls on the support, an axle supported by said walls, a hub pivoted on said axle, said hub being shorter than the distance between said walls, an arm on the hub, a plate on the arm whereby the plate may be swung in a vertical arc, and a cam finger on one wall, said hub having a cam notch in a side thereof receiving said finger when the pusher plate is in an operative position, said finger engaging a side wall of said hub and urging the hub laterally a distance equal to the length of the finger when the pusher is pivoted about the axle pin in a vertical arc, whereby the pusher plate is shifted so as to prevent the



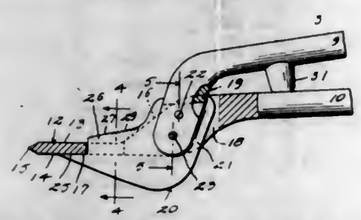
pusher plate from striking objects on the machine when the plate is adjacent the slicing plane.

2,560,672
AERATOR FOR MINNOW BUCKETS
Emil Volenec and Fred Charles Kohagen, Minneapolis, Minn.; said Kohagen assignor to said Volenec
Application June 21, 1946, Serial No. 678,469
4 Claims. (Cl. 43—57)



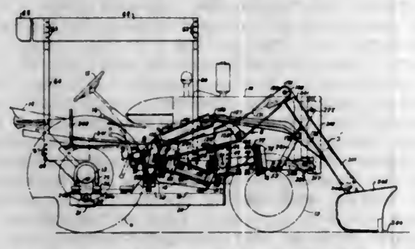
1. Aerator for a bucket having a hinged cover, said aerator comprising a compressible bulb having a valved air intake and a tubular outlet on its lower end, means securing said tubular outlet to project downwardly through said cover, a rigid pipe connected to the said tubular outlet below said cover, said pipe having a portion projecting laterally along the underside of said cover toward a side wall of the bucket, a second rigid pipe having a vertical portion positioned along the bucket side wall and a horizontal portion projecting laterally inwardly along the bottom of the bucket, a perforated spray ring on and communicating with the laterally inward end of said horizontal pipe portion and resting on the bucket bottom, and a flexible L-shaped pipe connected at its opposite ends to the laterally outward end of said first rigid pipe and to the upper end of the vertical portion of the second rigid pipe, said flexible L-shaped pipe serving to permit removal of the bucket cover and tilting thereof to provide free access to the interior of the bucket without rendering the aerator inoperative, said flexible L-shaped pipe having sufficient resilient strength to insure resumption of their positions in the bucket by said first and second pipes upon return of the cover to closed position in the event of any displacement thereof due to opening and tilting of said cover.

2,560,673
SHEET METAL CUTTER
Roy Vosen and Edward Philippi, Coeur d'Alene, Idaho
Application July 10, 1946, Serial No. 682,570
1 Claim. (Cl. 30—257)



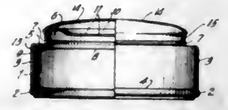
In a sheet metal cutting shears, a pair of pivotally connected lever members each including a handle portion and a jaw portion, the jaw portion of one of said lever members comprising a substantially flat bar provided with a longitudinally disposed slot offset downwardly with respect to the handle portion thereof, the handle portion of the other lever member having a downturned inner end extending through the rear portion of said slot and pivotally mounted therein, the jaw of said last mentioned lever member extending forwardly from said downturned, pivotally mounted portion and including an upwardly offset portion disposed for movement through the forward part of said slot and having an upper surface provided with side edges forming cutting edges for cooperation with the lower side edges of the forward portion of the slot, when the jaws are moved from opened toward closed positions, said last mentioned jaw having a downwardly offset upper surface at its forward end for engaging the underside of the first mentioned jaw, forwardly of the slot, when the jaws are in fully closed positions for clamping the material between the jaws at the conclusion of each shearing stroke of the tool.

2,560,674
OVERHEAD LOADER FOR VEHICLES
Thomas E. Westall, Marion, N. C., assignor to Marion Machine Company, Marion, N. C., a corporation of North Carolina
Application December 19, 1947, Serial No. 792,759
3 Claims. (Cl. 214—131)



1. An improvement in an overhead loader adapted to be mounted on a vehicle, said overhead loader having a first substantially horizontally disposed frame pivotally connected to the rear end of the vehicle and extending forwardly therefrom and also having at least one pivoted boom pivotally mounted intermediate the ends of the first frame and extending substantially forwardly of the first frame, said improvement comprising a second frame carried by the vehicle and disposed at a higher elevation than the first frame, a pivoted lever arm pivotally mounted on at least one side of the second frame, an upstanding member disposed adjacent the front end of the first frame at at least one side thereof and extending upwardly substantially beyond the horizontal plane of the second frame, a link pivotally connected to the upstanding member at one end thereof and depending from the upstanding member and being pivotally connected at its other end intermediate the ends of said lever arm, a substantially U-shaped shock absorber bracket fixed to the second frame adjacent the free end of said lever arm, a pair of axially spaced compression springs extending between the legs of the U-shaped bracket and the proximate ends of the compression springs resiliently engaging opposed upper and lower surfaces of free end of the lever arm, said boom being adapted to strike the upper end of the upstanding member upon the boom being lowered, whereby upon the boom being lowered against the upper end of said upstanding member, the shock thereof will be transmitted through the link and lever arm to the compression springs to thus be cushioned thereby as the shock is transmitted to the second frame.

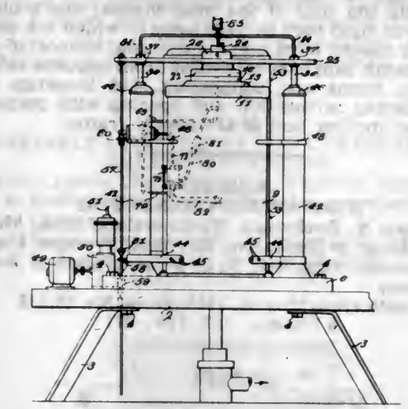
2,560,675
FACE POWDER BOX
Barbara B. Wheeler and Ralph V. Burdick, Jr., Loudonville, N. Y.
Application May 11, 1949, Serial No. 92,656
3 Claims. (Cl. 132—82)



1. A powder box formed of four, separate, sheet metal elements including: a comparatively flat, cylindrical, powder-containing receptacle open at the top; a first cover element comprising a first portion having an inturned annular flange overlying the top edge of said receptacle, but otherwise open at the top thereof, and a depending skirt in tight engagement with the lateral wall of said receptacle; and a second, inverted, cup-like portion of smaller diameter than said cover portion having a re-entrant, perforated bottom, adapted to receive a powder puff, secured to the inner edge of said flange and extending upwardly therefrom; and a second cover element having a depending skirt in slip-fitted engagement with the lateral wall of said cup-like portion and an imperforate top adapted to cooperate with said puff when in the re-entrant bottom of said cup-like portion and hold it in firm engagement with said bottom.

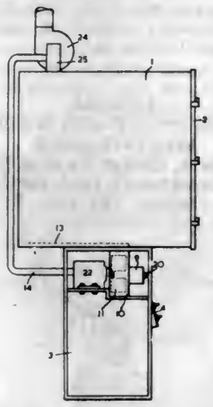
2,560,676
PNEUMATIC-HYDRAULIC SYSTEM FOR WELL PUMPING OR DRILLING UNITS
Calvin W. White, Kansas City, Mo.
Application May 14, 1948, Serial No. 27,113
6 Claims. (Cl. 60—51)

3. An apparatus for imparting reciprocating motion to a rod comprising, a main cylinder, a reservoir containing an hydraulic medium connected to the lower end of said main cylinder, a main piston reciprocally disposed in said cylinder and connected to a rod to be reciprocated for elevating said rod in response to the pressure of the hydraulic medium on the underside of said piston, a cushioning cylinder containing a reciprocating piston, means connecting said cushioning cylinder piston to said rod for movement therewith, a pneumatic chamber connected to the lower end of said cushioning cylinder by a restricted passage, a conduit connecting said pneumatic chamber and reservoir, a valve unit interposed in said conduit for admitting the pneumatic pressure medium from said chamber to the reservoir during the upward movement of the main piston and rod, and means operatively connected to said



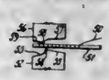
rod for actuating said valve unit as the rod approaches the upper extremity of its movement for closing said conduit and for actuating the valve unit as the rod approaches the lower extremity of its movement for opening the conduit, said valve unit having a vent port which is opened by movement of the valve unit to a closed position for venting the upper portion of the reservoir to the atmosphere.

2,560,677
FISH CURING APPARATUS
Alexander John Wilson, Aberdeen, Scotland, assignor of one-half to Thomas Adam, Aberdeen, Scotland
Application February 12, 1949, Serial No. 76,169
In Great Britain September 2, 1948
5 Claims. (Cl. 99—259)



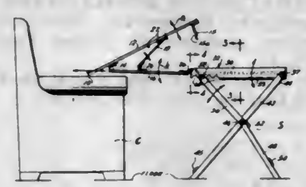
1. Apparatus for curing fish or other foodstuffs comprising a curing chamber having an inlet port in the lower part thereof, a smoke-producing furnace beneath said chamber, a controlled communication between said inlet port and said furnace, and exhauster for drawing smoke from said furnace and for charging said chamber with smoke, and a pair of interconnected valves controlling smoke escape and air inlet ports respectively located in said communication and means for operating said valves in unison to open one of said valves while closing the other of said valves.

2,560,678
METHOD OF WELDING
John R. Wirt, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 8, 1949, Serial No. 103,574
3 Claims. (Cl. 219—10)



1. The method of uniting a wire with another electrically conducting member which comprises supporting a wire of substantial diameter and member between electrodes connected with a welding current source, one of the electrodes having an electrical connection with the member and the other electrode, which is movable, having a surface making an acute angle with the wire longitudinally thereof, reducing the thickness of the wire and simultaneously spreading the wire into a larger area contacting surface by causing the movable electrode to move to squeeze the wire while electric current passes between the electrodes whereby the wire portion providing the union between the wire and the member is of wedge-like formation tapering from full diameter of the wire to a thin edge and spreading out to increase the area of the bond, the unattached wire immediately contiguous to the wedge remaining at full diameter.

2,560,679
MULTIUSE FOLDING TABLE
Albert M. Zalkind, Arlington, Va.
Application November 19, 1945, Serial No. 629,393
16 Claims. (Cl. 311—93)



1. In a device of the class described, a table top, a stand comprising means adapted to wholly support said table top, guide means secured intermediate said table top and said stand whereby said table top may be bodily and guidedly transposed with respect to said stand for use in conjunction with a supplementary support, said table top being pivotally secured to said guide means and said guide means being pivotally secured to said stand, and angle adjusting means adjustable intermediate said table top and said guide means for securing said table top at predeterminable angles with respect thereto, wherein said guide means comprises a pair of members having a sliding relationship with each other, one of said members being pivoted to said stand and the other member being pivoted to said table top, and means between said members for effecting a pivotal relationship therebetween.

2,560,680
ACRYLONITRILE COPOLYMERS
Arthur L. Allewelt, West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 3, 1948, Serial No. 47,752
12 Claims. (Cl. 260—85.5)

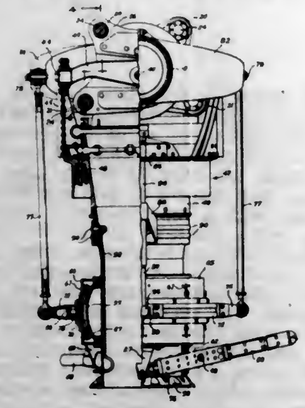
1. The process of copolymerizing acrylonitrile with a mono-amide, having a single unsaturated carbon to carbon bond and a single carbonyl group attached to the N atom, of an acid of the group consisting of acrylic acid and alpha-alkyl-substituted acrylic acids, in isopropyl alcohol in the presence of a catalyst, the monomer to solvent dilution ratio being in the range of 10:8 to 10:20 parts by weight and the acrylonitrile being present in a proportion between about 55 and about 93% by weight of the total weight of the monomers.

2,560,681
CARRIER FOR PERFUMED OR OTHER ODORIFEROUS MATERIAL
Harry Berkowitz, New York, N. Y., assignor of one-half to Elizabeth Neufeld, New York, N. Y.
Application June 16, 1949, Serial No. 99,492
3 Claims. (Cl. 299—24)



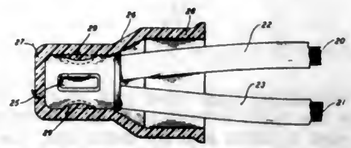
1. In an article of the character described, an elongated member bent to form a bight and a pair of tines; said tines being spaced from each other in the region of the bight and a wad-supporting element mounted on said member between the tines in the region of the bight, said supporting element, the bight and the tines, together forming a receptacle for holding a wad.

2,560,682
ROTOR AND ROTOR BLADE CONTROL APPARATUS FOR HELICOPTERS
Witold Brzozowski, Westmount, Montreal, Quebec, Canada, assignor to Stefan Czarnecki, Walden, N. Y.
Application December 16, 1946, Serial No. 716,559
10 Claims. (Cl. 170—160.26)



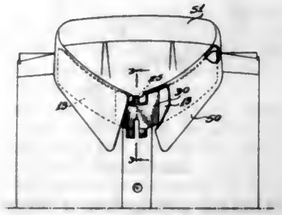
1. A helicopter construction comprising a pylon, a bearing on the pylon, a rotor hub that rotates on said bearing, other bearings on opposite sides and near the upper end of the hub, a link extending across the hub and having its ends held by said bearings for rocking movement transverse of the length of said link, a frame, center bearings in the mid-region of the link supporting the frame for rocking movement about an axis transverse of the link so that the frame has universal movement with respect to the hub, separate housings on opposite sides of the rotor hub for holding the ends of the rotor blades; and a plurality of rigid bars at least some of which are vertically spaced from one another and connected to the frame, said bars extending from opposite sides of the frame and supporting said housings at preselected orientation and spacing with respect to one another and to the center frame.

2,560,683
WIRE SPLICE CONNECTOR
Stephen N. Buchanan, Westmoreland Hills, Md., assignor to Buchanan Electrical Products Corporation, Elizabeth, N. J., a corporation of New Jersey
Application May 22, 1948, Serial No. 28,566
5 Claims. (Cl. 174—87)



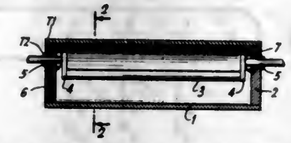
1. An electrical connector of the character described, comprising a hollow cylindrical splice cap, a plurality of electric conductors extending within said splice cap, said splice cap being deformable at spaced points to electrically and mechanically connect said conductors and to provide exterior depressions, a separable resilient insulating member extending over said splice cap and the ends of said conductors and adapted to be applied over said splice cap after formation of said depressions, said insulating member having a section with a smooth cylindrical outer surface and a retaining member slidable on said section of the insulating member to a position over said depressions where the retaining member forces a portion of said insulating member into firm engagement with said depressions to prevent accidental removal of said insulating member from said splice cap.

2,560,684
COLLAR SUPPORT AND METHOD OF MAKING SAME
Caesar A. Calder, Verona, N. J.
Application December 17, 1949, Serial No. 133,603
14 Claims. (Cl. 223—83)



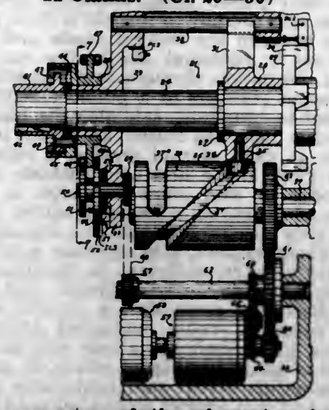
3. A collar support comprising a cardboard member of wide V shape having a central portion and inclined wings and being formed at its lower side with a pair of downwardly extending spaced tabs with a slot therebetween and at its upper end of the central portion with a pair of spaced notches with a tab extending upwardly therebetween, a wire on the central portion of said member and on said upwardly extending tab, and a piece of paper glued to the central portion of said member and holding said wire to said member, said piece of paper having portions covering said downwardly extending pair of tabs and the upwardly extending tab and being formed with a slot corresponding to said slot in said member and with notches corresponding to the notches in said member.

2,560,685
VARIABLE INDUCTANCE FOR USE ON VERY HIGH FREQUENCIES
Victor James Cooper, Writtle, England, assignor to Radio Corporation of America, a corporation of Delaware
Application November 12, 1947, Serial No. 785,247
In Great Britain October 24, 1946
4 Claims. (Cl. 171—242)



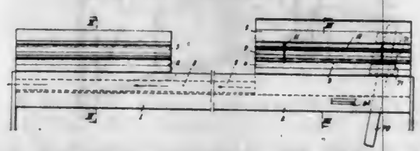
1. A variable inductance device comprising a tubular conductive member, a conductive disc closing one end of said tubular conductive member, an insulating disc closing the other end of said tubular conductive member, said discs having eccentrically located apertures therein and arranged in registry, a conductive crank member in each of said apertures, and a conductive rod positioned within said tubular conductive member and arranged on said crank members for relative movement of said rod with respect to said conductive tubular member, the ends of said tubular conductive member and said conductive rod adjacent said insulating disc serving as the terminals of said device.

2,560,686
MACHINE TOOL
Myron S. Curtis, Cleveland, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application July 18, 1946, Serial No. 684,594
11 Claims. (Cl. 29—50)



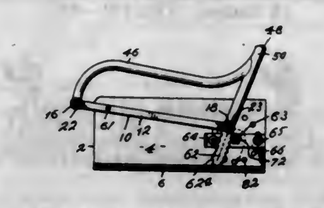
9. An apparatus of the character described comprising an indexible member provided with a plurality of spaced projections on opposite sides thereof, a pair of identically shaped and oppositely disposed cams rotatably mounted adjacent said member for cooperation respectively with the projections on the opposite sides of said member, and means to simultaneously rotate said cams, the said cams each including driving and restraining surfaces sequentially engaging the said projections so that one cam drives said member with an indexing movement while the other cam restrains said member from overrunning, said cams each also including an arcuate surface thereon having the same radius of curvature the center of which coincides with the axis of rotation of the cams, the said arcuate surfaces simultaneously engaging adjacent projections on opposite sides of said member once during each revolution of the cams to lock said member from rotation after it has been indexed to a predetermined position by the action of said driving and restraining surfaces.

2,560,687
AUTOMATIC SHUTTLE CHANGER FOR DOUBLE FABRIC LOOMS
Bernard Joseph Marie Alfred Delaroiere, Amiens, France, assignor to Delaroiere & LeClercq, Société a Responsabilite Limitée, Amiens, France, a corporation of France
Application November 4, 1947, Serial No. 784,064
In France August 29, 1947
8 Claims. (Cl. 139—234)



1. In a double cloth weaving loom of the type used for producing velvet and plush, the combination of a batten, a series of three superposed shuttle boxes on one side of the batten of which two contain shuttles that are operative at a time and means whereby the substantial exhaustion of the lower shuttle provides for the introduction of a fresh shuttle into the third box and the ejection of the last mentioned operative shuttle when exhausted with a transfer of the weaving of the two cloths to the fresh shuttle and to the unexhausted shuttle of the previously operative two shuttles considered and a horizontal cross member for the batten provided throughout its length with a channel for the ejected exhausted shuttle.

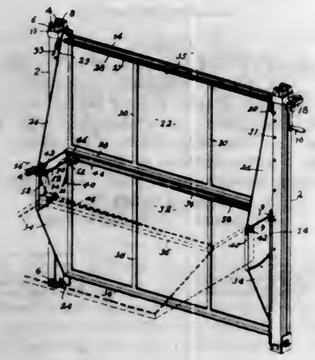
2,560,688
ADJUSTABLE CHAIR
John M. Dorton, Bonner Springs, Kans.
Application February 8, 1946, Serial No. 646,357
5 Claims. (Cl. 155—14)



2. An adjustable chair structure comprising a base, a seat structure, means connecting the for-

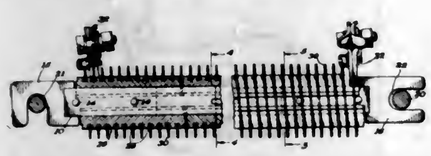
ward portion of said seat structure to said base for pivotal movement on a horizontal axis transverse to the chair and for forward and rearward sliding movement, a rack fixed to said seat structure at the rearward edge thereof and extending downwardly therefrom, said rack having teeth formed continuously along the forward and rearward edges thereof and around the lower end thereof, a pinion carried rotatably by said base and meshing with said rack, means for turning said pinion in either direction, and rollers carried by said base and adapted to maintain said rack in engagement with said pinion.

2,560,689
WALL BED
John M. Dorton, Bonner Springs, Kans.
Application May 1, 1947, Serial No. 745,148
10 Claims. (Cl. 5—140)



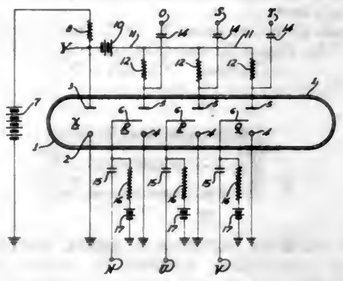
1. A wall bed comprising supporting means adapted to be secured to a wall, upper and lower frame sections adapted to be vertically alined with one section above the other, means operably connecting the upper frame section to the supporting means, means for moving said upper frame section vertically and swingably relative to said supporting means, means operably connecting adjacent ends of the frame sections to permit the frame sections to be adjusted to various positions relative to each other and to the supporting means, and manual means associated with the adjacent ends of the frame structures for locking said ends together and thus securing the frame sections in any of their adjusted positions.

2,560,690
EDGE WOUND RESISTOR
Milton W. Griffes and Charles W. Merchant, Lake County, Ohio, assignors to The Euclid Electric & Manufacturing Company, Madison, Ohio, a corporation of Ohio
Application October 19, 1949, Serial No. 122,335
10 Claims. (Cl. 201—74)



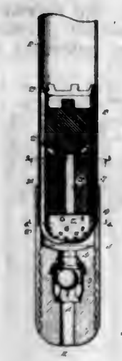
1. A fabricated flexible metal core to support an edgewound electric resistor comprising a pair of substantially coextensive, elongated, parallel, thin metal strips to extend through the coil of said resistor, and means engaging and securing said strips together near their ends, said strips having a plurality of opposed longitudinally spaced ribs engaging each other and spacing portions of the strips apart and stiffening the core.

2,560,691
VOLTAGE REGULATED MULTIPLE AMPLIFIER FOR PULSES
Glenn E. Hagen, Lawndale, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application June 14, 1949, Serial No. 99,091
5 Claims. (Cl. 315—195)



1. A pulse amplifier comprising an envelope containing a gas at glow discharge pressure, a plurality of electrode assemblies in said envelope, each of said assemblies including a cold cathode, anode and input electrode, an input source of potential connected between the cathode and input electrode of each assembly through an input resistor, an output source of potential connected between each cathode and anode of each assembly through an output resistor, said electrodes being spaced to provide a higher starting voltage between the anode and said cathode of each assembly than between said input electrode and said cathode, said input and output sources of potential being of a value holding said input electrodes and said anodes at potentials just below their respective striking potentials, means for applying an input pulse to each of said input electrodes to create an input glow discharge between said pulsed input electrode and related cathode and thereby to initiate a main glow discharge between the related anode and cathode, the drops in potential due to the current flow of said discharges through said respective input and output resistors of a pulsed assembly being sufficient to extinguish said glow discharges after said input pulse has ceased, an output pulse connection to each of said anodes, a separate adjacent glow anode and cold cathode discharge electrodes in said same envelope, a separate source of potential connected across said separate glow discharge electrodes through a separate anode resistor, said separate source having a potential value sufficient to maintain a continuous glow discharge between said separate glow discharge electrodes, a booster source of fixed potential value connected between said separate glow discharge anode and each of the anodes of said plurality of electrode assemblies, the potentials across said continuous glow discharge and said booster source being additive and forming said output source of potential for each of said electrode assemblies.

2,560,692
WELL CEMENTING APPARATUS
Jesse E. Hall, Weatherford, Tex., assignor of ninety per cent to Nevada Leasehold Corporation, Las Vegas, Nev., a corporation of Nevada, and ten per cent to Parker Industrial Products, Inc., Weatherford, Tex., a corporation of Texas
Application May 24, 1947, Serial No. 750,205
4 Claims. (Cl. 166—1)



1. In combination with a resilient piston-like plug adapted to travel downwardly through a well casing behind a charge of mud and in advance of a charge of cement thereby to separate the two, a vertically elongated rigid basket fixedly positioned within the lower end of the casing and adapted to receive said plug, the bottom of said basket containing a plurality of perforations through which the mud ahead of the plug can pass downwardly, and integral vertical fluting on the exterior side wall of the basket engaging the inside wall of the well casing and providing with the latter wall flow passageways through which the cement can pass downwardly when the plug is in said basket.

2,560,693
SKI
Clarence J. Hickman, Oronoque, Conn., assignor to Tey Manufacturing Corporation, Milford, Conn., a corporation of Connecticut
Application May 16, 1947, Serial No. 748,495
21 Claims. (Cl. 280—11.13)

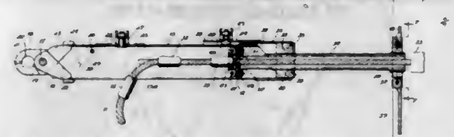


1. In a ski, a lower skin or runner of metal, a metal top pan on and rigid at its edge portions with the edge portions of said lower skin or runner, said top pan in a portion intermediate its ends forming a hollow construction including a top wall, downwardly diverging side walls and lateral flanges extending from the lower edges of said side walls, a foot plate on the top wall of said top pan, and said foot plate including end portions engaging said top wall and diverging extensions on said end portions and lying against the diverging side walls of said top pan.

2,560,694
BROMATE ION-SULFOXY COMPOUND CATALYST SYSTEM IN AQUEOUS POLYMERIZATION PROCESS
Edward G. Howard, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 15, 1950, Serial No. 174,129
3 Claims. (Cl. 260—80)

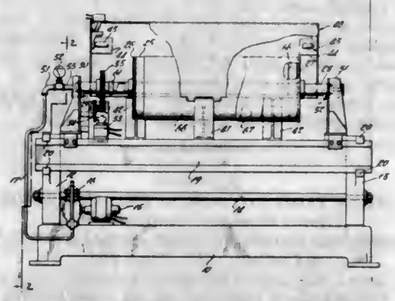
1. In the addition polymerization of monomers subject to addition polymerization by reason of a non-aromatic carbon-carbon double bond, the improvement wherein said monomer is polymerized by bringing the same in contact, in aqueous dispersion, with bromate ion and, in molar excess of said ion, a water soluble, oxidizable sulfoxy compound of the class consisting of inorganic bisulfites, aliphatic aldehyde bisulfite adducts, sulfinites, inorganic thiosulfates, and sulfoxylates.

2,560,695
APPARATUS FOR SECURING CARGO IN TRANSIT
John Richard Huber, Warrington, Pa., assignor to Eastern Rotorcraft Corporation, Neshaminy, Pa., a corporation of Pennsylvania
Application March 7, 1949, Serial No. 80,021
16 Claims. (Cl. 248—361)



1. A tie-down device for securing heavy articles during transportation in a carrier including a unit for attachment to an anchor point, a flexible cable member having a plurality of protuberances attached thereto, a part adapted to be quickly engaged with any one of said protuberances in a positive fashion to transmit a tension load from said cable, adjusting mechanism for removing slack from said cable and applying an initial tension thereto.

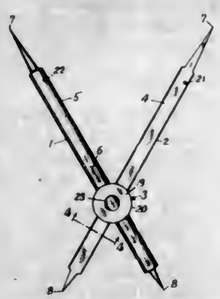
2,560,696
PHOTOPRINTING APPARATUS
William C. Huebner, New York, N. Y.
Application December 8, 1948, Serial No. 64,143
4 Claims. (Cl. 95—76)



1. In a photoprinting apparatus of the character described, the combination of a hollow shaft having radial openings at predetermined spaced locations therealong communicating with the interior of said shaft, a pair of cylinder heads each having a central bore adapted to receive said

shaft, the said heads each having radial ducts therethrough providing communication from the bore to a peripheral groove, means to removably secure said heads to the shaft at spaced locations therealong with the said ducts in communication with the radial openings in said shaft, means on said heads for removably supporting a cylinder therebetween which cylinder has a light sensitive surface on which a photographic reproduction is to be made from film placed thereon, a light transmitting flexible sheet adapted to be disposed entirely around said cylinder and film and sealed to said heads without closing said grooves, means to apply a partial vacuum to said shaft thereby exhausting the air from between said cylinder and sheet so that the latter and the film are smoothly and uniformly forced against said cylinder by the external air pressure, a light source adjacent an arcuate portion of said cylinder and extending the entire length thereof, and means to rotate said shaft thereby causing all portions of the light sensitive surface of said cylinder to be sequentially brought adjacent the said light source.

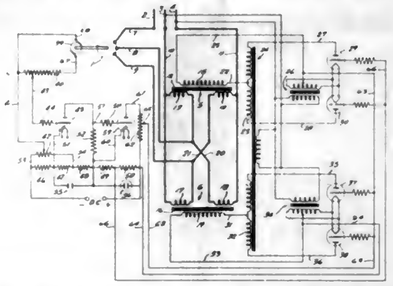
2,560,697
PROPORTIONAL DIVIDER
Joseph F. Joy, Pittsburgh, Pa., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 16, 1946, Serial No. 716,523
17 Claims. (Cl. 33—150)



1. In a drawing instrument of the character described, a pair of relatively adjustable arms, an outer casing having a central bore and openings through the walls thereof through which said arms pass, one of said openings being in the form of a seat for one of said arms to hold the latter against swinging movement relative to said casing and the other opening being in the form of a segmental slot for permitting limited swinging movement of said other arm relative to said casing, and adjustable clamping means secured to said casing for moving one of said arms toward the other to clamp said arms in adjusted position relative to said casing.

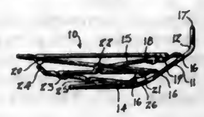
2,560,698
INDUCTION MOTOR SPEED CONTROL
Glenn Koehler, Madison, Wis.
Application October 17, 1946, Serial No. 703,762
6 Claims. (Cl. 318—202)

1. In an apparatus adapted to control the speed and direction of rotation of an alternating current induction motor the combination comprising saturation controlled variable reactor means adapted to be interposed in the entrance mains of a motor to be controlled and having forward excitation windings adapted when excited to cause admission of current to said motor with a forward phase sequence, and reverse excitation windings adapted when excited to cause admission of current to said motor with reverse phase sequence, said forward and reverse excitation windings being adapted when intermediately excited concomitantly to impose displaced phase sequences on said motor intermediate between forward and reverse phase sequence; pilot potential generating means responsive to the rate of rotation of said motor to be controlled; adjustable biasing means adapted to impose a predetermined bias potential upon the potential output of said pilot generating means; amplifying means connected to said pilot potential generating means



and to said adjustable biasing means adapted to amplify changes in the resultant thereof; and regulatable excitation current sources for said reactor excitation windings connected to the output of said amplifying means to be regulated thereby one of said excitation windings to be varied in proportion to changes in said amplified resultant bias the other to be varied in inverse proportion to said amplified resultant bias so as to concomitantly augment and diminish the excitation currents in said excitation windings in response to the speed and direction of rotation of said motor and the position of adjustment of said adjustable biasing means.

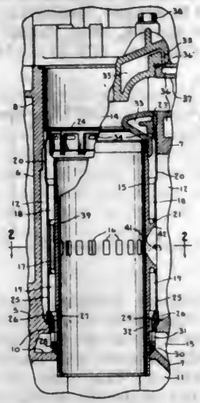
2,560,699
SOAP HOLDER
Isidore Morse, Bronx, N. Y.
Application August 26, 1949, Serial No. 112,449
5 Claims. (Cl. 45—28)



1. A soap holder constructed of a single length of bent wire, said wire being bent to provide a skeletal downwardly shallowly dished structure including a plurality of the convolutions of a conical spiral, one terminal portion of said wire being included in the uppermost convolution of the largest size and at its tip being permanently secured as by welding to a point along the wire such that the said terminal portion completes said uppermost convolution, the other terminal portion of said wire, starting from a point where the lowermost convolution of the spiral is completed, being substantially rectilinearly upwardly extended in a plane substantially radial to the truncated cone defined by the spiral, thereby to arrange the last-named terminal portion of the wire in abutment against a plurality of points along the wire included in said uppermost convolution and in an intermediate convolution, said last-named terminal portion of the wire being

permanently secured as by welding at each of the last-named points, said last-named terminal portion at its free end being formed into an eye-like formation.

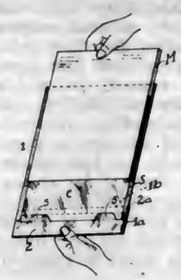
2,560,700
CYLINDER AIR PORT CONSTRUCTION
Charles Frank Pervier, Port Washington, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application October 2, 1947, Serial No. 777,539
2 Claims. (Cl. 123—65)



1. In a cylinder for internal combustion engines, a cylinder barrel having a belt portion of greater thickness than the remainder of the barrel, air inlet ports circumferentially arranged about the periphery of said belt portion formed of elongated slots transversely arranged with respect to said belt with the longer dimension of said slots extending axially with respect to said cylinder barrel, the inner upper and lower end faces of said slots being arcuate with the central area of maximum penetration thereof substantially tangent with and opening into said cylinder barrel, the upwardly and downwardly outwardly-flaring curvilinear inner end faces of said slots being of such curvature and extent as to substantially subtend the axial extent of said belt, bridge portions between said slots, the spacing of said slots and bridge portions being such that the ported area of said belt portion is at least equal to the area of said bridge portions, whereby the circumferential continuity of said belt portion is interrupted to an extent sufficient to cause the same substantially to follow dimensioned changes in the diameter of the remainder of said barrel.

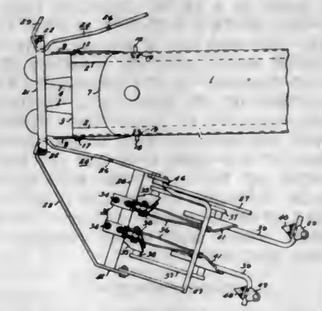
2,560,701
BACKING SHEET FOR MANIFOLD COPIES
Erwin Phillips, New York, N. Y., assignor of two-fifths to Albert Abraham, Jr., Oakwood, N. Y.
Application July 5, 1947, Serial No. 759,084
5 Claims. (Cl. 282—29)

1. A manifolding device, comprising a body member of a flexible, resilient, sheet material having upper and lower end edge portions, a flap of a similar material, a two leaf hinge joint between said flap and body member laterally of said sheet, and disposed in parallel spaced relations to the lower end edge portion of said body member, one leaf of said hinge joint being secured to the reverse surface of said sheet, the other leaf, including said flap, normally extending from said joint beyond the lower end edge portion in parallel surface relation to the lead portion secured to the reverse surface of said sheet, and a plurality of tongue members rooted in said flap along a line in parallel spaced relation to said lower end edge



portion, each tongue extending toward the hinge joint for a distance greater than that between said line and said end edge portion, adapted for overlapping relation with said portion.

2,560,702
TRACTOR MOUNTED CULTIVATOR
Robert S. Reaves, La Crosse, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 14, 1948, Serial No. 32,810
13 Claims. (Cl. 97—47)

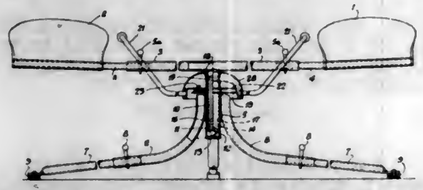


1. A drive-in type implement attachment for tractors comprising a front structure adapted for engagement with the front end of a tractor, a pair of elongated side members having their forward ends supported on said front structure for swinging movement relative thereto about generally parallel vertical axes, said side members having opposed forward portions offset toward each other for cam-like clamping engagement with tractor parts disposed therebetween as said side members are swung toward each other to bring rear portions of said side members into engagement with opposite forward side portions of a tractor, and means for detachably securing said rear portions of said side members to opposite side portions of a tractor.

2,560,703
OCCUPANT PROPELLED ROUNDABOUT
Harry Sebel, London, England
Application June 14, 1947, Serial No. 754,646
In Great Britain March 26, 1945
2 Claims. (Cl. 272—33)

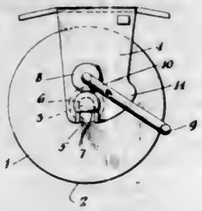
1. A round-about which includes a hollow central support vertically mounted upon a plurality of radial legs, a vertical shaft rotatably mounted in said central support, a plurality of

radial arms fixed to and extending from said vertical shaft and carrying seats at their outer ends, a horizontal ratchet wheel fixedly secured to and concentric with said central support, a horizontally extending hub member rotatably mounted on said central support and carrying operating handles for the riders, a pivot pin fixed to said rotatable hub member at a point eccentric with respect to said central support, a pawl rotatably mounted on said pivot pin and having arms extending unequal distances from opposite sides of the pin so that the pawl is unbalanced, a tooth on the longer pawl arm adjacent the end thereof for engaging said ratchet wheel, the unbalance of said pawl being effective when said hub member is rotated, to make the pawl tooth lag behind the motion of the pivot pin so that the pawl is rotated relative to the



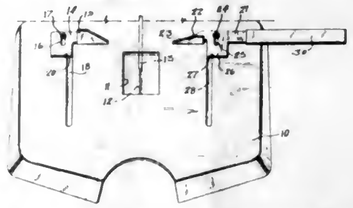
hub member, said pawl being rotatable on its pivot pin through an angle great enough with relation to the spacing of the tooth from the pivot pin so that the component of motion of the pawl tooth in a radial direction with respect to the vertical shaft is sufficient to move the tooth alternately into and out of engagement with the ratchet wheel teeth, whereby rotation of the rotatable hub member in one direction causes the pawl to rotate on its pivot and disengage the pawl tooth completely from the ratchet wheel so that said hub member may rotate freely without clicking of the pawl over the ratchet wheel, and rotation of the rotatable hub member in the opposite direction causes the pawl to rotate on its pivot so as to engage the pawl tooth with the ratchet wheel and effect rotation of the radial arms and seats.

2,560,704
COMBINATION WHEEL MOUNTING AND UNIDIRECTIONAL ROTATION CONTROL MEANS
Harry Sebel, London, England
Application March 1, 1948, Serial No. 12,407
In Great Britain August 25, 1943
2 Claims. (Cl. 188—30)



1. Combination wheel mounting and uni-directional rotation control means comprising a wheel supporting bracket having laterally spaced legs, said legs having spaced upper and lower pairs of aligned apertures, an axle pin extending through the lower pair of apertures, a wheel on said axle pin, a generally U-shaped bail having opposed inturned end portions pivoted in said upper pair of apertures, an outer cross portion biased by gravity to engage and ride freely upon the periphery of the wheel when the latter is rotated in one direction and binding on the wheel periphery to resist rotation thereof when it is rotated in the opposite direction, said bail also having outwardly bowed arms connecting said cross portion to said end portions, said bowed arms being effective to permit yieldable movement of the cross portion away from the end portions when the bail is subject to tension during a binding action of said cross portion.

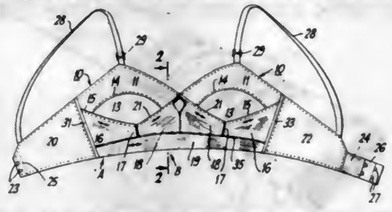
2,560,705
SPACING GAUGE FOR BUTTONHOLES
David L. Singer, Brooklyn, N. Y.
Application April 6, 1950, Serial No. 154,359
5 Claims. (Cl. 112—75)



5. In a buttonhole forming machine having a working table with an opening therein in which a cutting element and a sewing needle cooperate to form the buttonholes, the combination of an adjustable guide on one side of said opening against which the material is placed to space the buttonholes from the edge of the material, a combined edge guide and gauge adjustably secured to the table on the other side of said opening for spacing the buttonholes apart, said combined guide and gauge comprising a ruled measurement indicia bearing strip extending laterally from said opening and lying at least partially on top of the table, a forward extension on said strip, a front to rear slot in said extension, a headed screw passing through said slot and threaded into said table, a front to rear groove in said table, a tail bent downward from said extension into said groove to prevent angular displacement of said strip, an ear bent up from said strip between said extension and the needle and cutting element to act as a guide for the edge of the material to be worked on, said ruling and indicia beginning at the edge of said extension furthest from the needle and cutting element, and a sleeve embracing the ruled portion of said strip and adjustable lengthwise thereof, said sleeve having a portion between the contacting faces of the table and said strip, said screw when tightened causes said strip to press on said sleeve at said portion located between the table and said strip to frictionally maintain said sleeve in desired adjusted positions, whereby the minimum spacing between buttonholes is measured by the distance between said needle and cutting element and the furthest edge of said extension, and the desired spacing between buttonholes is measured by the distance between the needle and cutting element, and the near edge of the adjusted sleeve.

2,560,706
BRASSIÈRE
Mack Spetalnik, Brooklyn, N. Y., assignor to Wolfe & Lang, Inc., New York, N. Y., a corporation of New York
Application November 5, 1948, Serial No. 58,579
7 Claims. (Cl. 2—42)

1. A body encircling garment having breast receiving pockets, each pocket having on the outside thereof a pair of elastic sections having adjacent edges joined together along a seam which if extended would pass approximately through the center of the pocket, the sections of each pair extending upwardly on opposite sides of the seam at an angle to each other and covering only the lower portion of the pocket near the bottom

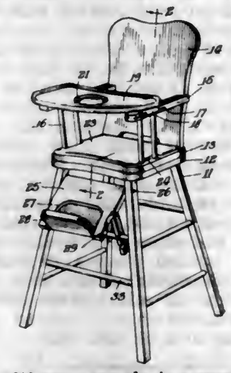


thereof, the directions of stretch of the elastic sections of each pair being at an angle to each other and such as to exert an uplift pressure on the sides and bottom of the pocket when worn, and an elastic band secured at its top edge to said sections and extending across an area below and over substantially the width of both of said pockets.

2,560,707
SOLS
Henry Moroni Stark, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 20, 1948, Serial No. 28,278
4 Claims. (Cl. 252—313)

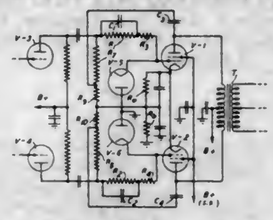
1. A process for preparing colloidal aqueous sols of alumina hydrate of increased stability against slow gelation and change of viscosity which comprises freezing a peptized, visually homogeneous, colloidal aqueous dispersion containing 1 to 10% Al_2O_3 as alumina hydrate to a rigid solid mass and then thawing said mass.

2,560,708
SLIP-SEAT FOR HIGH CHAIRS
Wilford E. Titus, Oklahoma City, Okla.
Application March 22, 1945, Serial No. 584,203
2 Claims. (Cl. 155—182)



1. In a multi-purpose chair comprising an apertured nursery seat, a back rigidly connected thereto, a pair of arms interconnecting said seat and said back, each arm including a horizontal member extending outwardly above the surface of said seat and at least one vertical member extending downwardly from each horizontal member and secured to the upper surface of the seat and a tray resting on said horizontal members, the combination therewith of a seat cover for said apertured seat comprising a relatively flat rigid panel substantially coextensive with the surface of the seat having notches on opposite edges to interlock with the vertical arm members to resist relative movement in a horizontal direction between said seat and said cover, and means slidably supporting said tray on said horizontal members whereby said tray may be entirely removed from said horizontal members to thereby permit the removal of said seat cover from said apertured seat in a vertical direction.

2,560,709
CLIPPING AMPLIFIER
William Redin Woodward, Plandome Heights, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 22, 1947, Serial No. 762,678
10 Claims. (Cl. 179—171)

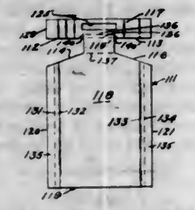


1. A push-pull electrical limiting amplifier including a pair of electron discharge tubes, each having an anode, a cathode and at least one control electrode, a balanced input circuit for accepting a signal and applying voltages produced thereby on a control electrode of each tube, a balanced output circuit including the anode-cathode paths of said tubes, at least one unidirectional conduction path between each of said control electrodes and the midpoint of said balanced input circuit, an impedance including a high resistance between each of said control electrodes and the corresponding input terminal of said balanced input circuit, means for deriving and applying to said unidirectional paths bias voltage of such magnitude that the anode-cathode paths of both tubes pass current at output signal amplitudes less than a lower limiting level and that the output wave of each tube is limited at said lower limiting level on input signal peaks of one polarity and at a substantially higher limiting level on input signal peaks of the other polarity, whereby on each signal peak exceeding said higher limiting level one of said tubes limits at said lower limiting level and the other tube at said higher limiting level.

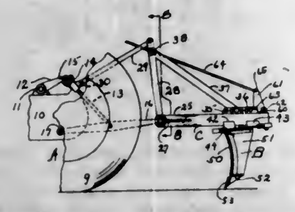
2,560,710
SINGLE SHEET SHIRT PROTECTOR
Victor Akers, Albany, Calif.
Application August 20, 1948, Serial No. 45,592
2 Claims. (Cl. 223—71)

1. A single sheet shirt protector comprising a blank consisting of a relatively large portion for insertion between the folds of a laundered shirt, a reduced extension on one end of said large portion, and an elongated portion on said reduced extension, all of said elements normally lying in a single plane; said blank being scored with a first score line at the juncture of said large portion and said reduced extension, a second score line at the juncture of said reduced extension and said elongated portion, and a third score line in said reduced extension adjacent to but

spaced from said second score line, said score lines affording folding of said blank up and over the back of a collar to bring said elongated portion within the neckband of a collar of a laundered shirt with said elongated portion disposed normal to said large portion.



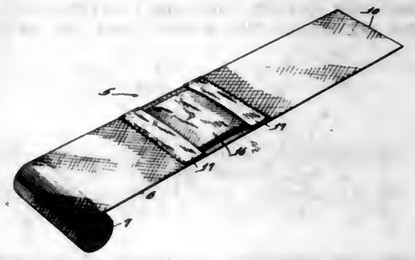
2,560,711
SNOW AND DIRT MOVING AND TERRACING ATTACHMENT FOR TRACTORS
Bruno F. Arps, New Holstein, Wis.
Application March 28, 1947, Serial No. 737,897
3 Claims. (Cl. 37—156)



1. A snow and dirt moving device in combination with a tractor having a power lift, comprising rearwardly extending transversely spaced draw bars pivoted at their front ends to the tractor and having operating connections to said power lift, a transversely positioned member having its ends pivoted to the rear ends of said draw bars, a longitudinally positioned tube having its front end rigidly secured to said transverse member midway the ends thereof, forming a T-shaped frame, a generally vertically positioned post mounted at its lower end on the front end of said frame, a brace forming a connection between the upper end of said post and said longitudinally positioned tube a distance in rear of said transverse member, another post rigidly secured to said longitudinally positioned tube adjacent the rear end of said brace, another tube rotatably mounted on the longitudinally positioned tube with its front end adjacent the other post, a third post rigidly secured to the front end of said other tube, a connection between the upper ends of said other and third post having means for transversely adjustably securing the third post to the other posts to thereby determine the turned position of said other tube, a plate secured to the lower side of said other tube, another plate swively connected to the underside of said first plate, means whereby the other plate may be turned and locked to the first plate in predetermined positions, a bracket having a scraper blade and mounted on the under side of said other plate.

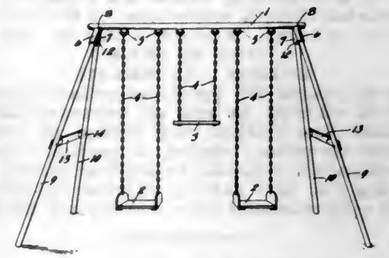
2,560,712
BANDAGE FOR VARICOSE ULCER TREATMENT
Lewis B. Bell, Chicago, Ill.
Application March 11, 1949, Serial No. 80,830
2 Claims. (Cl. 128—156)

2. A bandage comprising a wrap-around bandage strip of elastic material, a pad of foam rubber positioned on said strip at a point spaced inwardly from one strip end, means holding said pad in position on said strip, gauze overlying



said pad, and pocket means carried by said strip for receiving the gauze sides to maintain said gauze in position.

2,560,713
SWING FRAME
Samuel Bender, Shreveport, La.
Application May 4, 1946, Serial No. 667,282
1 Claim. (Cl. 155—58)

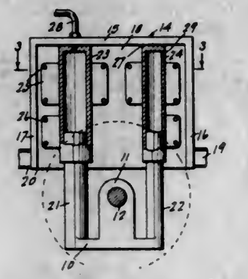


A swing frame comprising a substantially horizontally disposed upper rail, a pair of outwardly and downwardly inclined sleeves permanently secured at their upper ends to the outer surface of the rail and adjacent each end of said rail, the upper ends of said sleeves also being permanently secured to each other, the longitudinal axes of said pairs of sleeves being disposed at an inclined angle relative to the longitudinal axis of said rail, depending support legs frictionally fitted in said sleeves, cross members fixedly connecting the support legs carried by each pair of sleeves, said cross members constituting chinning bars, means for retaining said support legs within said sleeves, and means fixedly carried by said rail for engaging a plurality of seat-supporting chains, said last mentioned means including a plurality of pairs of longitudinally spaced sleeves permanently secured to and depending from said upper rail, the central bores in said sleeves being aligned relative to each other and spaced parallel to the longitudinal axis of said rail.

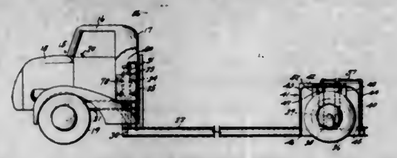
2,560,714
HYDRAULIC VEHICLE BODY ELEVATING AND LOWERING MEANS
Robert O. Bill, San Leandro, Calif.
Application June 24, 1948, Serial No. 34,963
6 Claims. (Cl. 280—44)

1. Elevating and lowering means for a vehicle body having a road wheel, in combination; a stub

axle, a bracket having said stub axle centrally fixed therein with said wheel mounted on the projecting end of the axle, said bracket having a base portion projecting in each direction from and at right angles to the axle and having a power piston integral with one end and a guide piston of lesser diameter for decreased leverage integral with the other end, and a power cylinder for the power piston and a guide cylinder for the guide piston and supported by the vehicle body, and a fluid connection for said power cylinder, said pistons being uniform in diameter throughout their height and equal in diameters to the inside diameters of the cylinders to provide rigid control means for maintaining the stub axle at right angles to the body of the vehicle.

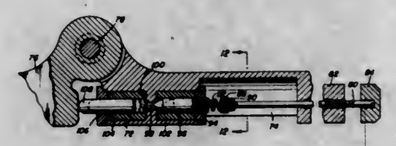


2,560,715
AUTOMOTIVE VEHICLE WITH ELEVATING AND LOWERING BODY
Robert O. Bill, San Leandro, Calif.
Application December 6, 1948, Serial No. 63,694
9 Claims. (Cl. 280—44)



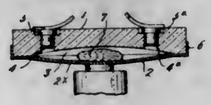
1. A highway truck comprising a tractive front section including a cab having a driver's seat, and manually operable steering means in said cab; a frame having a rearward extension beyond said driver's seat, and tractive wheels; a bed having rear wheels and a front end and a rear end, and having a rigid vertically sliding connection to said frame behind said driver's seat, and elevating and lowering means for said bed and cooperating between said front end of said bed and said rearward extension, and second elevating and lowering means cooperating between the rear end of said bed and said rear wheels, and operating means for said elevating and lowering means for lowering the bed at will to clear overhead highway obstructions and for convenience in loading and unloading the truck; a fender for each rear wheel and fixed to said bed, said rear wheels including individual mounting means including a vertically slidable crosshead having a hub having a stub axle fixed therein and projecting outwardly therefrom for each wheel to permit lowering of the bed to the support surface for the wheels, and a slide way fixed on each fender for said slidable crossheads, and with said elevating and lowering means cooperating between said slidable crossheads and said fenders.

2,560,716
HYDRAULIC TORQUE WRENCH
William J. Bortle, Wireton, Pa., and Charles E. Ranshaw, Wilmington, Del.
Application March 10, 1948, Serial No. 14,133
3 Claims. (Cl. 81—52.4)



1. A regulatable torque application wrench comprising a housing having a bore, a piston in the bore, resilient means for biasing said piston, a wall having an orifice for seating said piston, controllable means for compressing said resilient biasing means, an arm pivoted to said housing, a plunger slidably received in said housing and engaging said arm, work engaging means associated with said arm, said resilient biasing means comprising a spring seated on said piston, said compressing means comprising an axially adjustable rod coaxially disposed with respect to said plunger and carried by said housing and having said spring seated thereon.

2,560,717
ELECTRIC SWITCH
Ralph K. Boyer, Lakewood, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 15, 1950, Serial No. 195,868
9 Claims. (Cl. 200—152)

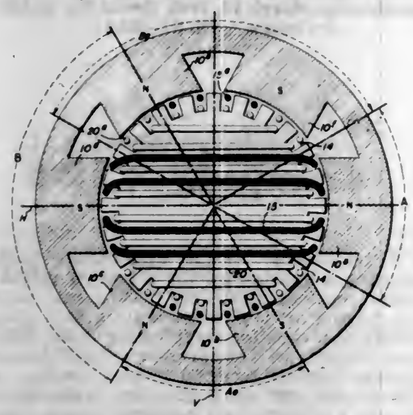


1. An electric switch comprising two cooperating members, the members being so related as to provide a closed chamber between them, a discrete globule of mercury within the chamber and of lesser volume than the chamber, electric circuit terminals operatively associated with said members and communicating with said chamber, one of the members having a portion adapted for movement toward and away from the other member, said portion when positioned toward the said other member will engage and deform the globule of mercury without destroying its discrete character thereby to contact both said terminals and establish electrical connection between said terminals and when in position away from said other member permits the body of mercury to assume its initial position and thereby disestablish electrical connection between said terminals.

2,560,718
ARMATURE REACTION CONTROL FOR ALTERNATORS
Charles L. Brown, Bristow, Okla.
Application July 13, 1948, Serial No. 38,435
6 Claims. (Cl. 171—252)

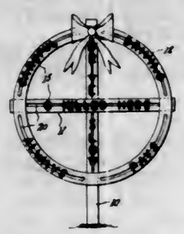
1. A system for controlling and reducing armature reaction in multi-pole alternators, comprising an armature, an armature winding carried

by said armature, and a neutralizing winding carried by said armature and having a spread



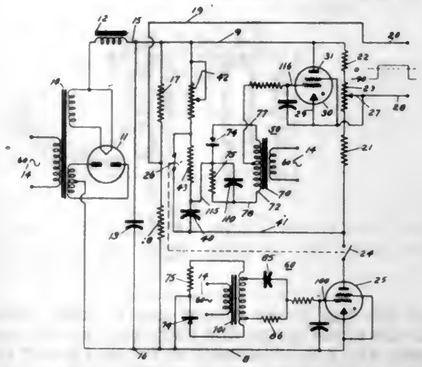
covering an arc corresponding to a field pole pitch of more than one pole.

2,560,719
SIGN
Otis I. Davis, Mobile, Ala.
Application June 18, 1946, Serial No. 677,478
2 Claims. (Cl. 40—145)



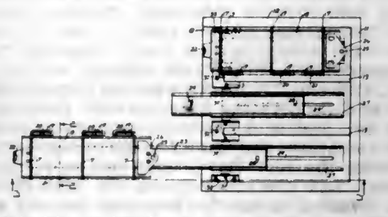
1. An improved sign comprising a standard made from wood having a flat front face and slots extending all the way through the flat front face and the rear face and vertically elongated, a horizontal cross bar made from wood and affixed centrally thereof to a solid section of the standard between slots of the standard and having arms of substantially equal length extending to opposite sides of the standard in cruciform arrangement, said arms having horizontally elongated slots extending all the way through the front and rear faces of the arms, the front faces of the outer portions of the arms being flat, a ring made of wood having horizontally diametrically opposed solid sections with rear flat faces placed against and affixed to the flat front faces of the arms, blocks having flat front and rear faces with their rear faces placed against and affixed to the standard at the portions intersected by said ring, said ring having solid sections with flat rear faces at vertically diametrically opposite portions placed against and affixed to the front flat faces of the blocks, said ring having curved slots between the solid sections opening through the front and rear faces of the ring, characters adapted to be fitted in front of the slots of said standard, cross bar and ring, and clamps carrying said characters adapted to fit into said slots and having expansible teeth to bite into the wooden walls of the slots.

2,560,720
ELECTRONIC TIMING SYSTEM
John W. Dawson, West Newton, and Donald P. Faulk, Waltham, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 11, 1947, Serial No. 733,901
11 Claims. (Cl. 250—27)



1. The system for producing a voltage pulse of predetermined pulse duration comprising a source of potential, a first means connected to said source for initiating said pulse, a second means adapted to be energized for terminating said pulse, means connected to said source for providing a bias potential to prevent the energization of said second means, means comprising a condenser adapted to be charged from said source, said condenser being connected to said bias means such that the charge on said condenser is in opposition to said bias potential, and means for superimposing an alternating voltage on said bias potential to energize said second means when the charge on said condenser has reached a predetermined value with respect to said bias potential, and the alternating potential reaches a predetermined point in its cycle.

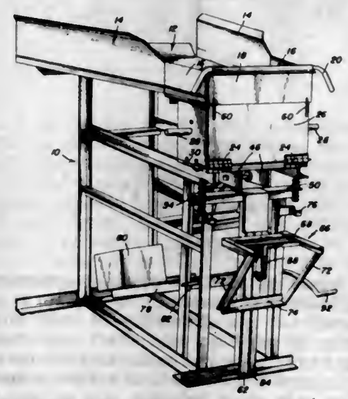
2,560,721
CATALOGUE FILE
Joseph A. Gibson, Kimball, Nebr.
Application January 19, 1948, Serial No. 3,140
5 Claims. (Cl. 312—233)



1. A holder or binder for supporting catalogues, pamphlets or sheets, comprising: a channel-shaped back plate adapted to extend across the back of catalogues, pamphlets, or sheets, and upwardly at each side of said back; binding pins extending through the catalogues, pamphlets, or sheets, between the upstanding sides of said back plate, for locking them therein; a slide member secured to and below the back plate and extending longitudinally thereof, the side edges of said slide member being spaced from, and in parallel relation to, the lower surface of said back plate; a guide member having upwardly and inwardly

turned edges telescopically receiving the side edges of said slide member; a track member similar in construction to said guide member and having upwardly and inwardly turned side edges slidably receiving said guide member; a hinge secured to and below said track member upon which said track member may be tilted; and means for mounting said hinge on a supporting surface.

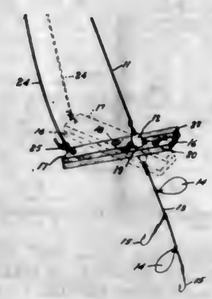
2,560,722
CONCRETE BLOCK MOLDING MACHINE
William V. Godefroid, Valley Park, Mo., assignor of one-half to Charles L. Propst, Valley Park, Mo.
Application January 28, 1948, Serial No. 4,871
5 Claims. (Cl. 25—41)



1. In a concrete block molding machine comprising a frame, a mold normally resting upon the frame in a material receiving position, a hopper including spaced side walls and a bottom wall carried by the frame, said bottom wall having an edge extending along an upper side edge of the mold and said side walls of the hopper projecting in spaced relation beyond said edge of the bottom wall and along the opposite ends of the mold, an end gate disposed between the side walls and slidably supported on the upper edges thereof, said end gate having a lower edge closely spaced to the top of the mold, and means pivotally securing the mold to the frame for swinging movement of the mold away from the hopper to an inverted material discharging position.

2,560,723
FISH LURE RETRIEVING DEVICE
Ludvig J. Hansen, Denver, Colo.
Application December 16, 1946, Serial No. 716,497
1 Claim. (Cl. 43—17.2)

A device for retrieving a fish lure including a swivel comprising a pair of rectangular plates pivotally connected together intermediate their ends in such manner as to rotate one with respect to the other in substantially parallel planes, both of said plates having a draw string receiving opening therein adjacent one end thereof, one of said plates having a second opening therein adjacent its other end, said second opening being of such size and shape as to freely receive the swivel of the lure, there being a slot extending transversely from a side edge of the latter plate and communicating with the second opening and constituting an entrance through which a fish line may be passed into the said second opening, the other plate having a rectangular finger extending longitudinally therefrom and integral therewith, said finger being of a width which is less than the width of the said plates and located to one side of the longitudinal center of said other plate in such a position as to cover the entrance



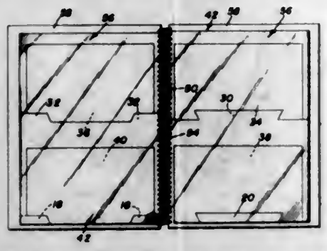
slot and retain a fish line in the said second opening when the plates are turned about their pivotal connection to a position in which the side edges of the plates are in parallel alignment with each other.

2,560,724
MIRROR FOR USE IN DETERMINING COLOR CONTRAST
William H. Harrison, Los Angeles, Calif.
Application December 22, 1947, Serial No. 793,182
4 Claims. (Cl. 88—105)



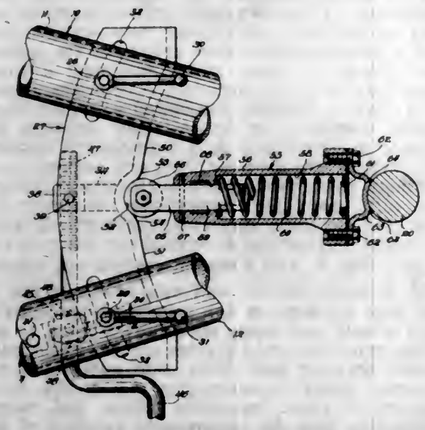
1. A mirror adapted to determine the color saturation of an essentially monochromatic red area as well as to distinguish between that area and a polychromatic area, primarily for matching lipstick or rouge, which includes: a transparent member of substantially colorless material; a backing member associated with said transparent member; an optical filter between said backing member and said transparent member, said transparent member, filter and backing member being in contacting relation to form an integral structure, said filter transmitting the major portion of the visible spectrum substantially undiminished, but having a vertical cut between 6000 Å. and 7000 Å., and a second vertical cut between 4000 Å. and 5000 Å., said cuts being in the red and blue portions of the spectrum, respectively, both of said cuts being spectrally located so that visible radiation on both sides of said cuts is transmitted through said filter, said cuts being sufficiently broad to materially reduce the transmission of their respective colors, but narrow enough to pass an appreciable amount of said colors; and a reflecting layer on said backing member reflecting light passing through said filter whereby a reflected image of said area whose color saturation is to be determined, may be seen, and whereby a red area having less than a predetermined color saturation reflected on a mirror selected for such predetermined saturation appears greenish, an area having the predetermined saturation appears brownish or brick red, and an area having greater than the predetermined saturation appears definitely red.

2,560,725
CARD SUSTAINING BOOK LEAF
Alice E. Jones, Tulsa, Okla.
Application August 10, 1948, Serial No. 43,432
3 Claims. (Cl. 129—20)



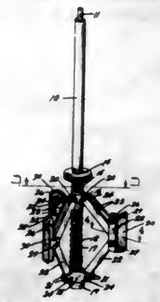
1. A card sustaining book leaf comprising a sheet of stiff flexible material, a transverse score line formed on said sheet centrally of the opposing ends thereof to define an upper and lower section, transverse fold lines formed on each section adjacent to and parallel with the center score line, said sheet having transversely spaced longitudinal incisions extending between the fold lines and bisecting the score line, said sheet being folded at the score line with the fold lines brought into abutting relation forming card holding flaps which lie on opposite sides of the sheet.

2,560,726
CONTROLLED CASTER WHEEL FOR AGRICULTURAL IMPLEMENTS
Frank D. Jones and Wayne E. Slavens, Des Moines, and Dale L. Woolsoncroft, Ankeny, Iowa, assignors to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application August 27, 1948, Serial No. 46,454
15 Claims. (Cl. 56—321)



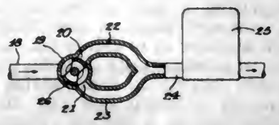
1. For a mobile implement having a frame carried for normal travel forwardly over the ground by ground-engaging means at one portion of the frame and at another portion of the frame by a caster wheel provided with a pivot standard for castering of the wheel about a generally vertical axis; caster wheel control means comprising a first member having means for fixed connection to the frame; a second member having means for fixed connection to the caster wheel standard; means yieldably inter-locking said members for holding the caster wheel standard in an operating position against pivoting about its axis when subjected to side pressures below a predetermined magnitude; and means for adjusting one of the members laterally of the frame with respect to the other for selectively shifting the operating position of the caster wheel standard laterally.

2,560,727
GLAZE BREAKING TOOL FOR INTERNAL-COMBUSTION ENGINES
John Keiser, Windsor, Colo.
Application April 10, 1950, Serial No. 154,959
1 Claim. (Cl. 51—184.2)



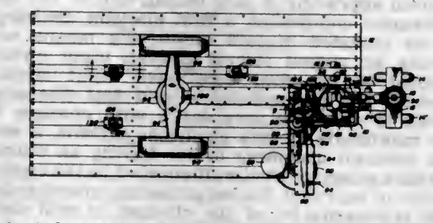
A glaze breaking tool for internal combustion engine cylinders, comprising: a shaft; a first nut threaded on one extremity of said shaft; a first collar slidable on said shaft and resting against said nut; a second collar slidable on said shaft and spaced from said first collar; a spring surrounding said shaft between said collars and acting to urge them apart; a plurality of toggle arms hingedly extending from each collar; hinge pins securing the extremities of the arms from one collar to the extremities of the arms from the other collar; an elongated foot member tiltably mounted at its middle on each hinge pin; spring means urging each foot member to a position parallel to the axis of said shaft; a second nut threaded on said shaft adjacent said second collar; and a second spring compressed between said second collar and said second nut and urging the second collar toward the first collar, said second collar being biased between the two springs.

2,560,728
WAVE ENERGY APPARATUS
Royal Lee, Elm Grove, Wis., assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis., a corporation of Wisconsin
Application April 21, 1945, Serial No. 589,477
5 Claims. (Cl. 99—250)



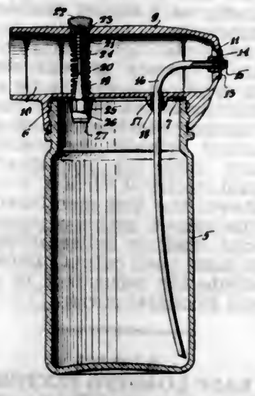
1. Wave energy apparatus, comprising a source of compressed liquid, a casing communicating with said source and having a plurality of pairs of outlet ports, a plurality of conduits each having opposite ends connected to a pair of said casing ports, each conduit having an outlet at an intermediate portion, and cyclically operated rotary valve means for opening and closing said ports for setting up waves in said conduits, one of the ports of each pair being open while the other is closed, and said pairs of ports being arranged in out-of-phase relation.

2,560,729
HARVESTER FOR TOBACCO
Mark D. Lynn and Russell D. Burkett, Columbia, Tenn.
Application September 30, 1948, Serial No. 52,016
3 Claims. (Cl. 56—27.5)



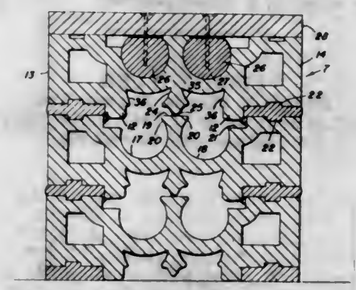
1. A harvester for tobacco comprising a rigid frame, a platform on said frame for workmen handling cut tobacco, a motor operatively mounted on said platform, a tobacco cutter operatively mounted on said frame and operatively connected with said motor, said frame and platform being similarly recessed at one side and at the front thereof, said cutter being mounted to operate in the recessed portion, said cutter having adjusting means comprising an arm carrying said cutter and pivoted on said frame, a crosshead and an upstanding crosshead guide on said frame, a link between said crosshead and said arm, and means to raise and lower the crosshead in said guide.

2,560,730
SPRAYING DEVICE
Carl S. Meyerhoefer, Brooklyn, N. Y., assignor to Lewyt Corporation, Brooklyn, N. Y., a corporation of New York
Application June 26, 1947, Serial No. 757,245
5 Claims. (Cl. 299—89)



1. A spraying device including in combination a cap for application to the upper end of a receptacle, an air-conducting tube extending across said cap and having a discharge end, an unobstructed liquid-conducting tube extending within and to a point adjacent the discharge end of said air-conducting tube, means for securing said liquid-conducting tube against relative movement within and with respect to said air-conducting tube, said latter tube being formed with aligned openings in its diametrically opposed upper and lower surfaces and at points intermediate its ends, a valve to seat against the surfaces of such tube adjacent the opening in its lower face, an actuator connected to said valve and slidably mounted within the opening in the upper surface of such tube to extend above the same, said actuator constantly obstructing a flow of air through said latter opening, means for normally maintaining said valve in closed position and said actuator upon being depressed shifting the valve to a position where it does not obstruct a flow of air through the opening in the lower surface of the air-conducting tube.

2,560,731
HOLLOW AND CHANNEL BUILDING BLOCK
Walter H. Miller, Decatur, Ga.
Application April 26, 1948, Serial No. 23,267
4 Claims. (Cl. 72—41)

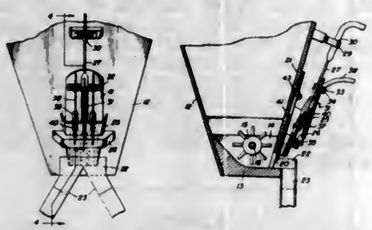


2. A wall building brick comprising spaced parallel duplicate wall facing, load bearing and distributing sections, the latter being hollow and the top and bottom sides of said sections having mortar receiving and bonding channels, a horizontal web connecting said sections together, said web having a vertically upstanding partition midway between said sections defining drainage gutters, the outer crown edge of said partition being flat from end to end and serving as a load bearing and levelling abutment, said partition being formed along opposite vertical faces with outstanding longitudinally extending beads functioning as finger-grips, the inward upper corner portions bordering said sections being longitudinally rabbeted and providing clearance ledges, the underside of said web having a laterally depending longitudinally extending positioning, spacing, levelling and line-up rib, the latter being midway in respect to said sections and directly beneath said partition, said sections being further provided on their undersides with depending longitudinal flanges spaced inwardly from the vertical outer faces of said sections and spaced outwardly from and situated parallel to said rib and serving as mortar baffles.

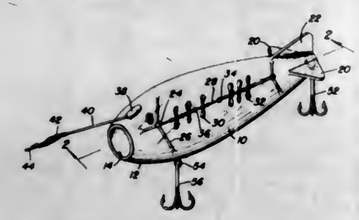
2,560,732
FERTILIZER DISTRIBUTOR WITH PLURAL OUTLETS CLOSED BY A COMMON GATE EQUIPPED WITH AN ADDITIONAL CLOSURE FOR EACH OUTLET
Richard C. Moore, Sr., Bowden, N. C.
Application May 5, 1949, Serial No. 91,502
4 Claims. (Cl. 222—482)

2. A fertilizer distributor comprising a hopper having a plurality of outlets in one wall, a plurality of spouts leading from the outlets, a main cut-off gate positioned between the outlets and the spouts to simultaneously cut off all of the

spouts, means slidably supporting the main cut-off gate on the hopper, individual cut-off gates for each spout slidably carried by the main cut-off gate to selectively cut off the spouts independently of the main cut-off gate, a catch for each gate holding the same in an open position, and spring means connected to each gate holding the same in a closed position.



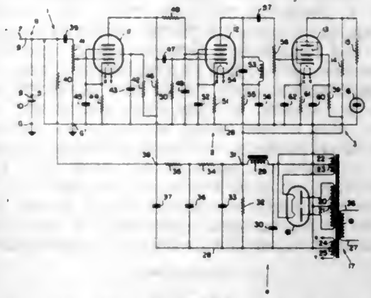
2,560,733
FISHING LURE
Joseph W. Morris, Kermit, Tex.
Application September 22, 1947, Serial No. 775,428
4 Claims. (Cl. 43—42.06)



1. A fish lure comprising an elongated hollow body having an inlet at one end and a reduced outlet at the opposite end, means carried by said body and disposed exteriorly of the body for preventing dipping motion of said body when pulled through a fluid medium, and means carried by and disposed interiorly of said body to be actuated by liquid passing through the body for agitating water passing through the body, said last mentioned means including a longitudinal shaft carried within said body, a plurality of forward spinners carried by said shaft and a second plurality of rear spinners rotatably mounted on said shaft for counteracting said first spinners.

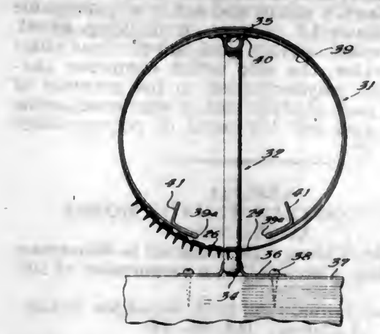
2,560,734
MEASURING AND CONTROLLING APPARATUS
James C. Mouzon, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 11, 1946, Serial No. 661,202
30 Claims. (Cl. 175—183)

1. In apparatus for detecting detonation in a cylinder of an internal combustion engine comprising a pair of spaced, electrically insulated electrodes adapted to be located within the engine cylinder and adapted when so located to be bridged by the burning gases of combustion therein, means adapted to be connected to a source of energizing voltage, said means including means for passing a unidirectional electrical current between said pair of electrodes, and electronic amplifying means having an input circuit including said pair of electrodes and having an output circuit supplied with energizing voltage by the first mentioned means, said electronic amplifying means comprising a plurality of stages of amplification having electron discharge devices associated therewith and including suppressing means for preventing electrical signals produced in said electronic amplifying means by periodically recurring surges of said electrical current which occur upon the ignition of the cylinder gases and the consequent burning thereof from appearing in said output circuit, the improvement comprising a first electron discharge device included in said amplifying means and having an output circuit and an input circuit coupled to the first mentioned input circuit, whereby the conductivity of said first discharge device is varied in accordance with changes in the magnitude of said electrical current, a second electron discharge device having an output circuit and an input circuit coupled to the output circuit of said first discharge device, whereby signals representative of the changes in said electrical current are applied to said second discharge device for amplification thereby, said second discharge device also including a control circuit coupled to the output circuit of said first discharge device and operative to control the gain of said second discharge device in accordance with the conductivity of said first discharge device, whereby said second discharge device is rendered substantially insensitive to signals produced by the increasing portions of the periodically recurring surges of said electrical current, but is rendered operative to amplify electrical signals produced by fluctuations of said electrical current which accompany detonation of the burning cylinder gases and which are superimposed upon the periodically recurring surges of said electrical current, a coupling connection between the first mentioned output circuit and the output circuit of said second discharge device, and an indicator device coupled to said first mentioned output circuit and operative to indicate the occurrence of said fluctuations of said electrical current.

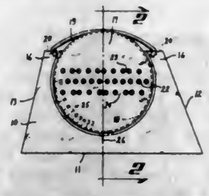


2,560,735
RASP LOADING FIXTURE
Peter C. Neilsen, Chicago, Ill.
Application November 8, 1947, Serial No. 784,867
1 Claim. (Cl. 29—284)

A rasp loading fixture comprising an upright support, a substantially annular split band having spaced apart end edges, means mounting the split band on the support with the spaced apart edges disposed downwardly, the mounting means engaging the band only at the diametrically opposite side from the spaced apart edges, the band being unsupported throughout its depth so that the spaced apart edges throughout their entire lengths can be brought together to decrease the diameter of the annulus, and a grasping member mounted on each end edge.

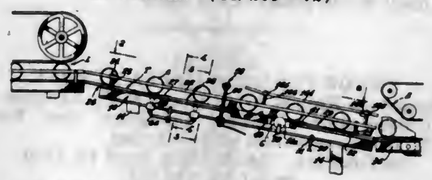


2,560,736
LETTERING INSTRUMENT
Oscar Anton Olson, Ames, Iowa
Application March 13, 1950, Serial No. 149,310
8 Claims. (Cl. 33—104)



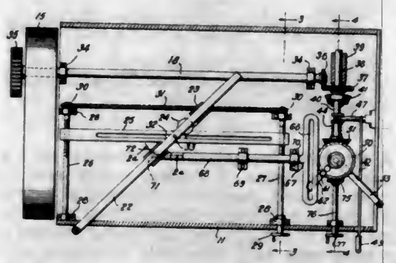
3. In a lettering instrument, a flat base member having a straight bottom edge and two straight side edges each extending from the bottom edge at an angle less than a right angle thereto and each at a different angle than the others; said base frame member provided with an arcual U-shaped opening creating two spaced apart horn-like arm members at the top portion of said frame member, a member rotatably mounted in said opening and having a plurality of holes, and a spring rod member detachably secured at its respective ends to said base frame member to prevent the opposite sides of said frame opening from moving away from each other.

2,560,737
DEFECTIVELY LABELED AND NONLABELED CAN DETECTING AND REJECTING DEVICE
George J. Palmer, Jr., Long Beach, Calif.
Application August 12, 1947, Serial No. 768,114
12 Claims. (Cl. 209—72)



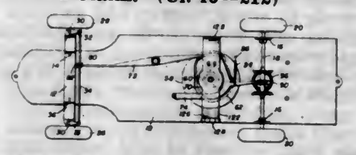
11. A loosely labeled can detecting and rejecting device which includes: supporting means for guiding a plurality of cans along a predetermined path; a gate operatively associated with said guide means, with said gate being actuated by an electric signal to assume the open position to permit a loosely labeled can to pass therethrough; electric switch means positioned above said guide means, with said switch means when actuated by a loose label to electrically signal the presence thereof to said gate; and an air jet situated below said switch with said jet adapted to direct a stream of air on cans rolling along said guide means whereby loose labels are blown upwardly to actuate said switch means.

2,560,738
PIPE-CUTTING MACHINE
Martin C. Patterson, Jr., Joplin, Mo.
Application February 28, 1948, Serial No. 12,022
9 Claims. (Cl. 266—23)



1. In a machine having a torch for cutting a rotating pipe at a desired angle with respect to the axis of the pipe, the combination comprising; a sliding and swinging support for said torch, a swinging mounting for said support in which said support is slidable, a reciprocable member connected to said support for swinging said support, a sliding member pivotally connected to said support for sliding said support in its swinging mounting, and driven means for moving said reciprocable member during rotation of said pipe.

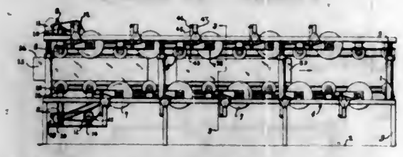
2,560,739
AMBULANT TOY WITH ERRATIC STEERING MEANS
Oscar J. Pérez, Tampa, Fla.
Application February 2, 1948, Serial No. 5,877
1 Claim. (Cl. 46—212)



An ambulant toy comprising a chassis having steering and driving wheels, cam means operatively secured on the chassis and a motor to drive the cam means, a lever having a cam follower operatively connected with said cam means and the steering wheels, and power transmission means connecting said motor with said driving wheels, said motor having a drive gear, said driving wheels having an axle rotatably mounted on the chassis and fixed against movement transversely of the chassis, a sleeve mounted for rotation with the axle and slidable longitudinally thereof, spaced gear wheels carried on said sleeve and selectively engageable with said drive gear, whereby said driving wheels may be rotated in two directions, and a second lever with a cam follower operatively connected with said cam means and with said sleeve, said cam means comprising separably interfitted sections each asso-

ciated with one of said levers, said motor to drive the cam means including a vertical shaft extending to the underside of said chassis, said sections of the cam means being removably mounted on said shaft, and a strap member hinged to the underside of the chassis and releasably securable in position to hold said sections operably mounted on the shaft.

2,560,740
EDGING AND POLISHING MACHINE
Tom E. Pillow, Port Arthur, Tex.
Application February 9, 1948, Serial No. 7,155
2 Claims. (Cl. 51—80)

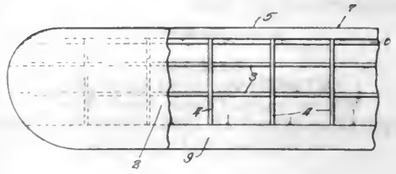


1. A machine for grinding the edges of a sheet of glass comprising, a frame, upper and lower, vertically spaced apart, horizontally extending rows of shafts extending transversely of the longitudinal axis of said frame and being spaced apart along said axis and rotatably mounted on said frame, a grinding feed roller for each shaft and having peripheral groove means therein, said rollers being of substantially uniform diameter, grinding wheels having peripheral groove means therein and grinding wheel mounting means on said frame and adapted to normally position said grinding wheels so that an upper grinding wheel is vertically spaced above a lower feed roller and so that a lower grinding wheel is vertically spaced below an upper feed roller, said mounting means including rigid shaft portions for each wheel extending transversely of the longitudinal axis of said frame, a connecting means between each shaft portion and each wheel adapted to move universally with relation to the direction of the axis of said shaft portion, and bracket means adapted to support said connection means and said wheel and pivotally mounted on said frame and adapted to move yieldably in a vertical plane, means for driving said upper shafts and shaft portions to rotate respectively said upper rollers and wheels in one direction, and separate means for driving said lower shafts and shaft portions to rotate respectively said lower rollers and wheels in the opposite direction, said sheet being passed between said upper and lower wheel and rollers, with upper and lower edges respectively in said upper and lower peripheral groove means so that the rotational contact of said rollers and wheels moves said sheet longitudinally through said machine as said wheels grind said edges.

2,560,741
POLYETHYLENE POLYAMINE ACTIVATED ORGANIC PEROXIDE CATALYZED SYNTHETIC RUBBER EMULSION POLYMERIZATIONS
Raoul L. Provost, Cheshire, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 23, 1950, Serial No. 163,783
4 Claims. (Cl. 260—84.7)

1. In the process of emulsion polymerizing in alkaline medium and iron-free synthetic rubber polymerization recipe comprising synthetic rubber-forming monomers selected from the group consisting of butadienes-1,3 and mixtures of butadienes-1,3 with compounds which contain a single $CH_2{=}C<$ group and are copolymerizable with butadienes-1,3, water, emulsifying agent, organic peroxide catalyst and polyethylene polyamine activator, the step which comprises carrying out the polymerization in the presence of 0.001 to 0.1 part of alkali salt of ethylenediamine tetraacetic acid per 100 parts of polymerizable monomers.

2,560,742
WING CONSTRUCTION FOR MODEL AIRPLANES
Robert Reder, Chicago, Ill., assignor to Monogram Models, Inc., Chicago, Ill., a corporation of Illinois
Application January 29, 1949, Serial No. 73,538
3 Claims. (Cl. 46—76)



1. A model airplane wing of the character described, including: a unitary element comprising, a relatively thin portion providing a pre-formed cambered airfoil surface, relatively heavy portions at each of the leading and trailing edges of said element and a shoulder on an edge of each of said heavy portions, said shoulders being confronting; a plurality of spaced ribs extending transverse the length of said wing and abutting against said shoulders, the outer surface of said ribs being pre-formed to provide a desired airfoil section when covered with a sheet material; and a sheet material covering said ribs.

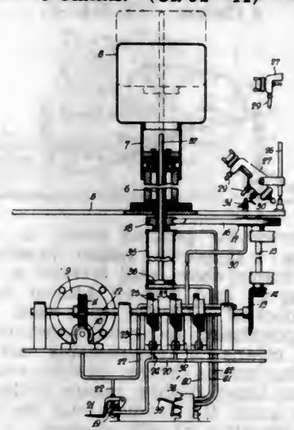
2,560,743
PRESERVATION OF LATEX
Chester E. Rhines, Glen Rock, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 13, 1950, Serial No. 155,793
5 Claims. (Cl. 260—820)

1. Desludged Hevea rubber latex preserved with a small amount of tetraalkali salt of ethylenediamine tetraacetic acid and 0.2% to 0.5% of ammonia based on the latex, the amount of tetraalkali salt of ethylene diamine tetraacetic acid being less than the amount of ammonia, and the ammonia being in amount less than that which of itself would preserve the latex.

2,560,744
CRUDE PURIFIED HEVEA RUBBER
Chester E. Rhines, Glen Rock, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 13, 1950, Serial No. 155,794
6 Claims. (Cl. 260—822)

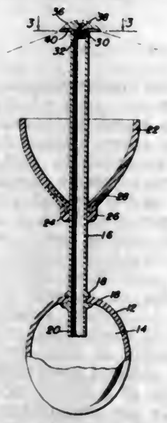
1. Crude natural rubber being the rubber solids of Hevea latex, said latex having had water-soluble non-rubber serum constituents removed therefrom, and said rubber containing 0.002% to 0.2% of ethylenediamine tetraacetic acid.

2,560,745
PAINT SPRAYING DEVICE
Arthur W. Salstrom, Mount Vernon, N. Y.
Application July 13, 1948, Serial No. 38,369
3 Claims. (Cl. 91—44)



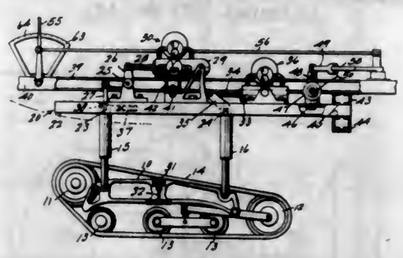
1. In a paint spraying device, a rotatable support for a piece to be sprayed, a fluid pressure actuated motor, a drive connection between said motor and support for rotating said support, a valve for controlling a spray gun, an actuating connection between said motor and said valve for controlling the latter, a pair of supply pipes for conducting fluid to said motor, a manual valve in one of said supply pipes, means for normally urging said manual valve toward closed position, whereby said manual valve may be moved against said urging means to admit fluid to said motor through said one of said supply pipes, a valve in the other of said supply pipes, means for urging said last valve toward closed position, and an actuating connection between said motor and said last valve for opening the latter upon operation of said motor to admit fluid to said motor through said last valve to maintain operation of said motor.

2,560,746
BABY MOUTH WASHER
Carl Scarkino, Kenner, La.
Application February 24, 1950, Serial No. 145,980
4 Claims. (Cl. 128—232)



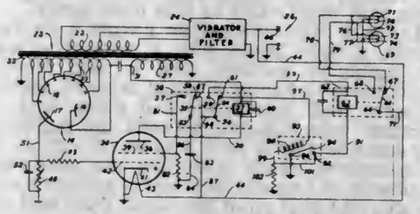
1. A mouth spray syringe comprising an aspirating bulb for retaining a germicidal fluid, a tube secured upon and extending at its lower end into said bulb, a spray-receiving cup vertically adjustable upon said tube, and a spraying head on the upper end of said tube adapted to be received in the mouth, said cup having a bottom end and an open upper end of larger diameter than said bottom end, said upper end being disposed towards said spraying head.

2,560,747
CROSS-WIND LANDING GEAR FOR AIRPLANES
George Sievers, Oakland, Calif.
Application March 28, 1949, Serial No. 83,787
4 Claims. (Cl. 244—100)



1. Landing means for an airplane comprising; a first support fixed to the airplane; a second support pivotally supported by said first support on a vertical axis; a third support supported by said second support; a plurality of shock-absorbing struts having their upper ends hingedly supported by said third support; an elongated landing gear hingedly supported at the lower ends of said struts; power means cooperating between said first support and said second support for angularly adjusting said second and third supports and the landing gear supported thereby relative to the longitudinal axis of the airplane to coordinate the landing gear with a landing strip when the airplane is headed into a crosswind.

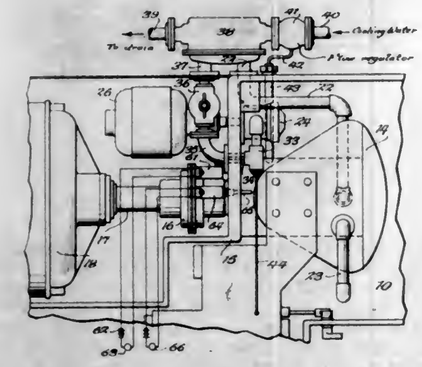
2,560,748
AUTOMATIC HEADLIGHT DIMMING APPARATUS
Lawrence M. Sliva, Berkeley, Calif., assignor of one-third to John H. Janusch and one-third to Floyd C. Snyder, both of Richmond, Calif.
Application May 15, 1950, Serial No. 161,992
9 Claims. (Cl. 315—83)



1. In apparatus for controlling multi-range beams of a vehicle's headlights, photoelectric detector means arranged to be excited by projected illumination from an approaching vehicle, a thermionic tube including a biased control grid connected with and capable of responding to current output of said photoelectric detector means, relay means connected with and to be actuated by cur-

rent output of said thermionic tube, and said relay means being connected to said headlights to depress the long range beams thereof at the expiration of a prescribed time interval after initial excitation of said photoelectric detector means, and means for increasing the output current of said detector means in relation to the current resulting from said illumination excitement.

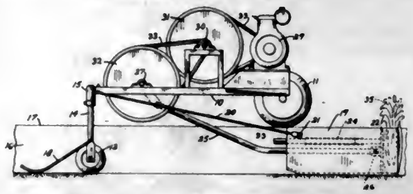
2,560,749
HYDRAULIC MOTOR SYSTEM AND COOLING MEANS FOR THE PUMP THEREOF
Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio
Application May 27, 1944, Serial No. 537,565
14 Claims. (Cl. 60—52)



4. In an operating control for a hydraulic motor including said motor, its controls, and a main pump, that improvement which comprises a working reservoir, a separate storage reservoir, an auxiliary pump, a branched pipe connecting the intake side of said auxiliary pump to the lower part of each of said reservoirs, a selector valve in said pipe and operating to connect said auxiliary pump alternately and selectively to said reservoirs, a pressure relief valve in the output side of said auxiliary pump for creating a desired back pressure, a pipe leading from the output side of the auxiliary pump before its connection to said relief valve, for supplying operating fluid to said controls, means connected to said relief valve for passing fluid therefrom in heat exchanging relation to said main pump and then to one of said reservoirs, and means for varying the temperature of the fluid passing from said relief valve to said main pump.

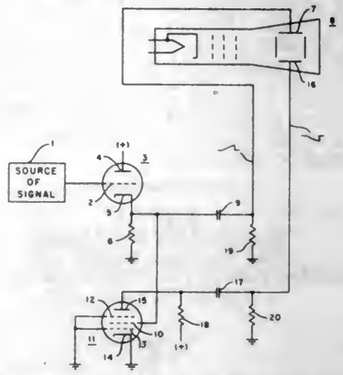
13. In a hydraulic system having a hydraulic motor, a main pump with a working chamber for supplying working fluid to said motor, a main reservoir having a liquid capacity sufficient to serve fully said motor and pump, and connections with controls, between the pump, motor and reservoir to form a hydraulic circuit, that improvement which comprises the combination therewith of a second resorvoir of sufficient size to receive and hold all of the liquid from said main reservoir and disposed at a lower level than said main reservoir, a valve controlled connection for directly draining the main reservoir into said second reservoir, an auxiliary pump, means for connecting the intake side of said auxiliary pump to the lower parts of said reservoirs alternately, and means connecting the output side of said auxiliary pump to said controls and through said controls to said upper reservoir.

2,560,750
MACHINE FOR PACKING CELERY BUNCHES IN TRENCHES
Arvil Towe, Mountain Grove, Mo.
Application December 6, 1947, Serial No. 790,155
4 Claims. (Cl. 214—1)



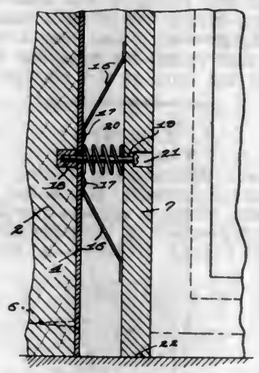
1. A device for packing celery in a trench, comprising: a supporting frame; wheels supporting said frame above said trench; a U-shaped box riding in said trench; hinged link members connecting said box with said frame; a plunger positioned to travel longitudinally of said box; means for reciprocating said plunger; and guiding means on the forward extremity of said frame, said guiding means riding in said trench to guide the frame along the trench at each reciprocation of said plunger.

2,560,751
PHASE INVERSION CIRCUITS FOR CATHODE-RAY TUBES
Robert B. Trousdale, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application January 11, 1949, Serial No. 70,251
3 Claims. (Cl. 315—26)



1. In a system comprising a cathode ray tube having at least one pair of deflecting plates, a source of sweep signal potential, phase inverting means utilizing sweep signals for applying equal and opposite potentials to said deflecting plates including a first electron discharge device having a cathode and a control electrode, said first device being connected as a cathode follower, means for impressing said sweep signals on said control electrode, means for impressing the output of said first device on one of said deflecting plates, a second electron discharge device having an anode, a cathode, and a plurality of control electrodes, means for also applying the output of said first device directly to one of the control electrodes of said second device by means of a direct electrical connection of substantially no impedance, and means for applying the output of said second device to the other of said deflecting plates.

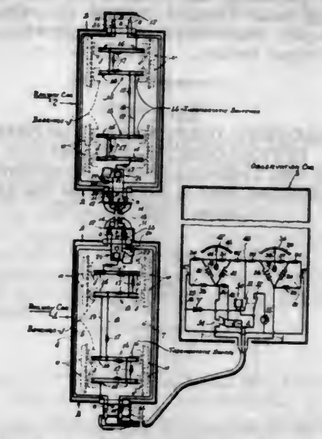
2,560,752
ADJUSTABLE WINDOW FRAME
William R. Vass, Roanoke, Va.
Application April 3, 1946, Serial No. 659,379
1 Claim. (Cl. 20—12)



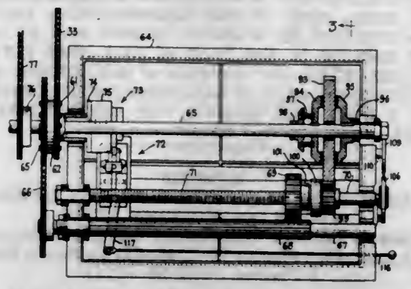
In a window construction including a window frame and outer sash guides secured thereto, inner guides supported by said outer guides for lateral adjustment, sash frames for retaining window panes supported in said inner guides for vertical movement, channels formed in said inner guides for receiving said sash frames, resilient tensioning means between said outer and inner guides, and adjusting means between said outer and inner guides for variably tensioning said resilient tensioning means, said tensioning means including divergent spring arms disposed between said inner and outer guides, the ends of said arms proximate to each other being secured to said outer guide and the opposite ends including laterally extending wings bearing against said inner guide, a threaded socket in said outer guide and window frame between the proximate ends of said arms, a headed bolt having a threaded end received in said socket and extending between and through said inner and outer guides, the headed portion of said bolt extending through said inner guide, and a coil spring wound about said bolt and interposed between said inner and outer guides.

2,560,753
BEARING ALARM SYSTEM FOR RAILWAY TRAINS
Harold L. Weinberg, Newark, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application December 13, 1945, Serial No. 634,825
20 Claims. (Cl. 246—169)

1. In an indicating system including a source of potential: the combination of a circuit connected to said source; a plurality of impedance control units connected in parallel in said circuit, each of said units comprising a plurality of control devices selectively operable for causing the unit to transmit currents of different strengths in said circuit from said source according to which control device is operated; a second circuit connected to said source and selectively controllable to pass currents of different strength; means responsive to current flow in said first circuit for controlling said second circuit to pass currents of different strength from said source according to which of said control units includes said operated control device; and indicating means for said circuits respectively.



2,560,754
MEASUREMENT AND ACTUATION DEVICE
Valone C. V. Weyant, Cleveland, Ohio, assignor to The Yoder Co., Cleveland, Ohio, a corporation of Ohio
Application November 13, 1946, Serial No. 709,577
22 Claims. (Cl. 74—125.5)



1. A measuring and actuating device comprising a cover box, a clutch shaft journalled in said cover box, a gear journalled on said clutch shaft and adapted to engage with a member the motion of which is to be measured, a pinion shaft having a gear formed along substantially the entire length thereof, said pinion shaft being journalled in said cover box, means connecting said gear on said clutch shaft to said pinion shaft to rotate it whenever the member is put.ing motion into the device, a threaded shaft journalled in said cover box, a gear nut engaged with said threaded shaft and with said gear on said pinion shaft, said gear nut being adapted to be moved along said threaded shaft as it is rotated by said gear on said pinion shaft, a clutch carried by said clutch shaft and adapted to engage it with said gear journalled thereon, control means for engaging and releasing said clutch, said control means being actuated by said gear nut to engage said clutch as said gear nut is moved to a predetermined axial position along the axis of said threaded shaft, output means associated with said clutch shaft to be driven thereby, a reset stop member for said gear nut, means adjustably as-

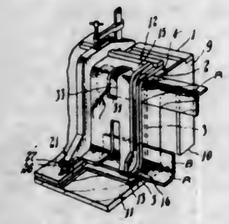
sociating said stop member with said threaded shaft, means for resetting said gear nut to its starting position, and means for automatically actuating said control means to release said clutch upon completion of an operational cycle of said output means.

2,560,755
CONDIMENT DISPENSER COMPRISING INTERLOCKING FIGURINES
Ruth van Tellingen Bendel, Westmont, Ill.
Application May 6, 1949, Serial No. 91,769
1 Claim. (Cl. 222—78)



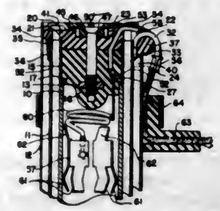
A set of dispensers for salt, pepper and the like, comprising: two figurines each comprising a head portion, an upper body portion and a lower body portion, a pair of rigid limbs extending outwardly from each of said upper body portions and shaped and positioned to embrace the upper body portion of the other figurine and to engage the limbs of the other figurine, each of said figurines having a body notch in the back thereof substantially opposite said pair of limbs and integrated with said figurine as an anatomical configuration and adapted to engage each other at at least one point in addition to the points of engagement of the limbs, each of said figurines being further characterized by a hollow interior and at least one opening in the back of said head portion through which the contents of said interior may be dispensed, each of said lower portions including a filler plug whereby said interior may be filled.

2,560,756
LAYOUT FIXTURE FOR CUTTING OPERATIONS ON WOODEN TRIM
Joseph Bollons, Willowdale, Ontario, Canada
Application March 11, 1948, Serial No. 14,238
2 Claims. (Cl. 33—174)



1. A layout fixture for marking and cutting wooden trim of a right angular cross section, said fixture comprising a rigid frame, a clamping plate, and clamping means; said frame including a front part having a vertical wall, a top part having a horizontal wall extending rearwardly from the upper end of said vertical wall and having a vertical-walled slot disposed rearwardly of said horizontal wall, a base part having a horizontal wall extending forwardly of the lower end of said vertical wall, said base part being supplied with an opening immediately in front of said horizontal wall thereof, and means providing an adjustable abutment outwardly of said opening; said clamping plate including a vertical wall, an upper horizontal wall extending rearwardly from the upper end thereof, a lower horizontal wall extending forwardly from the lower end thereof, and a tongue extending downwardly in front of said lower horizontal wall, said tongue being inserted in said opening and engaged with said abutment; said clamping means including a clamp pivoted in said vertically-walled slot, and a hand screw element on said clamp for applying down pressure on said top part of the clamping plate.

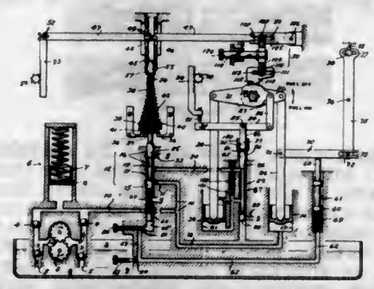
2,560,757
TANK UNIT
Earl C. Bowar, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 12, 1949, Serial No. 115,287
15 Claims. (Cl. 175—41.5)



1. A capacitance type of liquid level measuring device comprising: a first cylindrical electrode; a second cylindrical electrode about said first electrode; a cylindrical shield about said second electrode; a first resilient member within a first end of said first electrode, said member having a nut embedded therein with a hole extending to said nut; a first annular plate over the end of said resilient member and said first electrode and fixedly positioned with respect to said shield; a first bolt passing through said plate and the hole in said member and threaded into said nut to fixedly position said first electrode with respect to said shield; a second resilient member within a second end of said first electrode, said second member having a nut embedded therein with a hole extending to said nut; a second annular plate oyer the end of said second resilient member and said first electrode and fixedly positioned with respect to said shield; a second bolt passing through said second plate and the hole in said second member and threaded into the nut in said second member to fixedly position said first electrode with respect to said shield; a first annular resilient ring compressed between said second electrode and said shield at one end thereof and fixedly positioning said second electrode with respect to said shield and thus with respect to said first electrode; and a second annular resilient ring compressed between said second electrode and said shield at the other end thereof and fixedly positioning said second electrode with respect to said shield and thus with respect to said first electrode.

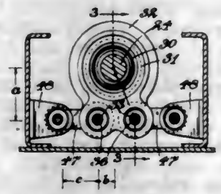
2,560,758
SPEED RESPONSIVE PRESSURE FLUID SERVOMOTOR
Burnell O. Burritt, Euclid, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 3, 1943, Serial No. 512,731
3 Claims. (Cl. 121—42)

1. In a hydraulic relay governor, a fluid pressure source, a pilot valve and duct means controlled thereby to render the source operative to move a fuel regulating servomotor in opposite directions to increase and decrease fuel input to a machine to be governed, a second valve in the duct means and movable to interrupt the supply of pressure fluid to the servomotor in the manner required to move the servomotor in the fuel-input-increasing direction, a lever, a point on which is connected to the servomotor for movement of the lever thereby, another point on the lever being operatingly connected to the second



valve for operation of that valve, a settable device operatingly connected to the lever at a third point thereon to render the lever operative to move the second valve to its fluid interrupting position when the servomotor has moved in the fuel increasing direction a distance determined by the positioning of the settable device, and a one way acting relief valve in said duct means in by-passing relation to the second valve for enabling the pilot valve to cause fuel-decreasing operation of the servomotor during such supply fluid interruption by the second valve.

2,560,759
BEARING SUPPORT FOR A TWO-PART UNIVERSALLY COUPLED TRANSMISSION SHAFT
Harold Ivan Frederick Evernden, Hazelwood, Duffield, near Derby, and Frederick James Hardy, Alvaston, Derby, England, assignors to Rolls-Royce Limited, Derby, England, a British company
Application August 4, 1947, Serial No. 766,042
In Great Britain October 16, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 16, 1965
3 Claims. (Cl. 180—85)



1. In a vehicle comprising vehicle framing and a transmission having a two-part transmission shaft of which the two parts are interconnected by a universal coupling; a bearing support located adjacent said universal coupling for connecting one of the parts of said transmission shaft to the vehicle framing, which bearing support comprises a bearing engaged on said one shaft part, a housing accommodating said bearing, and for supporting the housing from the vehicle framing means comprising a pair of links each of length (c) pivoted to said housing at a point offset from a horizontal plane through the axis of said bearing by a distance (a) and each to extend substantially horizontally one on each side of a vertical plane through the bearing axis, said pivot points on the housing being each offset horizontally from said vertical plane a distance (b) selected to satisfy the expression

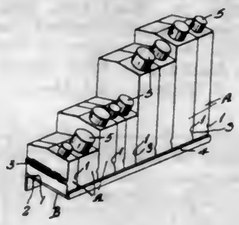
$$\frac{2a^2}{c}\cdot\frac{c+b}{c^2+2cb+2b^2}>1$$

said links also being pivoted to said vehicle framing, a plurality of resilient bushes, one at least for each pivot point of said links, each resilient bush being connected to be torsionally stressed by pivoting of the associated link about the respective pivot point, whereby a greater resilient restraint is offered to vertical movement of the bearing housing in the plane of the bearing than is offered to horizontal movement in the plane of the bearing.

2,560,760
2-HYDROXYMETHYL-6-CHLOROTHYMOL
Herman Eldridge Faith, Indianapolis, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo., a corporation of Delaware
No Drawing. Application October 11, 1949, Serial No. 120,830
1 Claim. (Cl. 260—618)

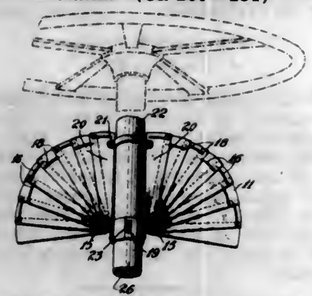
The compound 2-hydroxymethyl-6-chlorothymol.

2,560,761
MERCHANDISE DISPLAY DEVICE AND/OR PACKAGE
Martin J. Ferguson, Swansea, Ontario, Canada
Application September 16, 1946, Serial No. 697,186
In Canada July 25, 1946
4 Claims. (Cl. 220—23.4)



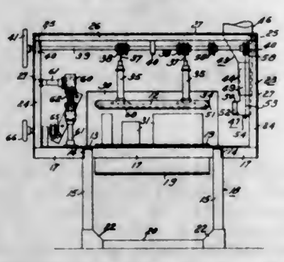
1. In the shelf mounting of articles having an end wall and side walls terminating at said end wall, a construction for retaining said articles against displacement transversely of the shelf and against displacement in at least one direction relative to each other, comprising a longitudinal, upwardly extending rib on said shelf, groove means on the end wall of each article for receiving said rib, groove means on one and the same side wall of each of said articles, and a parallel rib complementary to said side wall groove means and located on the opposite side wall of each article at a location corresponding to the location of said side wall groove means, whereby, when said articles are mounted on said shelf with said shelf rib and the end wall groove means in mating relation, said side wall ribs and groove means of adjacent articles mate to prevent displacement of adjacent articles relative to each other away from the shelf, while the mating of said shelf rib and end wall groove means prevents displacement of the articles transversely of the shelf.

2,560,762
SUNSHADE
Joseph A. Ghegan, Irvington, N. J.
Application December 7, 1948, Serial No. 63,909
1 Claim. (Cl. 160—134)



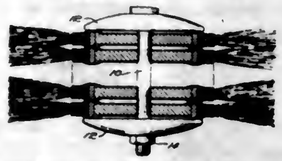
A sun-shade comprising a support having two segments connected at one side and means for connecting them at the other side; an assemblage of a plurality of opaque semaphores, a pivotal connection securing the semaphores together at one end and attaching them to the support, a pin at the opposite end of each semaphore, an arcuate slot between the edges of the semaphores engaged with the pin of the adjacent semaphore whereby the semaphores are restricted from pivoting out of overlapping relationship; a corresponding assemblage of a plurality of opaque semaphores similarly secured and connected attached to the opposite side of the support and extendable in the same plane as the first assemblage of semaphores, and another support attached to the first semaphore of each assemblage.

2,560,763
DIELECTRIC DRIER HAVING AN ADJUSTABLE EXHAUST SYSTEM
Ben H. Griffith, Jr., West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application January 31, 1950, Serial No. 141,463
7 Claims. (Cl. 34—1)



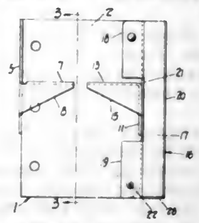
1. A dielectric drier for baking the moisture out of moist objects comprising relatively adjustable electrodes to be energized by a high frequency voltage, supporting means for said electrodes, means mounted on said supporting means for adjusting the spacing between said electrodes to accommodate varying sizes of moist objects, movable means associated with one of said electrodes for introducing said objects between said electrodes, exhaust means mounted on said supporting means, said exhaust means comprising a movable intake element having at least one opening positioned a predetermined distance from another of said electrodes for removing from between said electrodes the moisture driven off from said objects upon energization of said electrodes, and means including said adjusting means for maintaining said intake element opening at said predetermined distance from said another of said electrodes for all spacings of said electrodes.

2,560,764
BUFFING WHEEL OR WHEEL SECTION
Elisha W. Hall, Scituate, Mass.
Application January 10, 1950, Serial No. 137,734
5 Claims. (Cl. 51—193)



1. An abrasive wheel section for assembly on a shaft with other similar sections to be clamped therewith by end plates bearing against the sections in a zone remote from the shaft, said section comprising an internal hub member of relatively light, soft and porous material pierced to fit the shaft, an annulus of buffing material encircling the hub member and substantially coplanar therewith, side discs overlapping the sides of said hub member and of the annulus and adhesively secured thereto and a ring of dense substantially incompressible material interposed between said discs and between said hub member and said annulus to take the stress of the clamping plates.

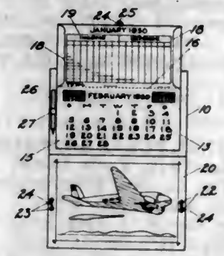
2,560,765
UNITARY VENETIAN BLIND BRACKET CONSTRUCTION
Harvey H. Haynam, Euclid, Ohio, assignor to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio, a corporation
Application April 21, 1948, Serial No. 22,267
2 Claims. (Cl. 248—264)



1. A Venetian blind bracket of the class described comprising a bracket member formed of a single piece of sheet metal and consisting of a main body portion having front and rear extensions integral therewith, said extensions each comprising a flange portion contiguous with the body portion, an intermediate portion contiguous with said flange portion, and a shelf portion contiguous with said intermediate portion, said flange portions extending in the same direction from said body portion and having their planes disposed substantially normal to the plane of the body portion, the shelf portions being disposed in a substantially common plane substantially normal to the plane of the body portion.

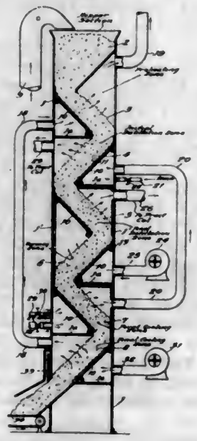
2,560,766
ENVELOPE TYPE RECORD CALENDAR
Harry Holland, Minneapolis, Minn.
Application April 12, 1950, Serial No. 155,497
2 Claims. (Cl. 283—2)

1. An envelope type record calendar, comprising a back section, a series of sheets forming a calendar pad, a filing compartment and a suspension cord, said back section being of substantially stiff material but foldable on substantially its horizontal medial line in the manner of a book, said calendar pad being secured to said back section above said medial line and each of the sheets thereof having the major portion formed into an envelope provided with calendar indicia on the front thereof and record forms on the back and with a line of perforations detachably securing said envelope to said sheet, said filing com-



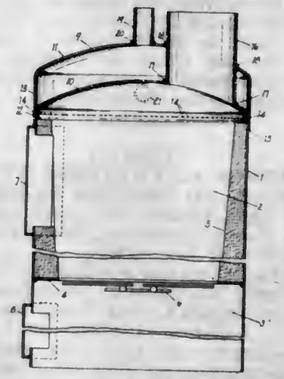
partment being a piece of substantially stiff material secured to said back section below said medial line by a bellows fold at the bottom thereof facilitating an outward flare at the top thereof forming a pocket, said suspension cord passing through an arrangement of apertures respectively in said back section and said filing compartment piece whereby increase in weight by added papers causes said cord to act to compact same in the filing compartment and reduce the bulk thereof.

2,560,767
DISTILLATION OF CARBONACEOUS SOLIDS
Lyman C. Huff, Evanston, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 22, 1946, Serial No. 656,470
6 Claims. (Cl. 202—15)



1. A method for producing valuable hydrocarbon liquids and gases from hydrocarbonaceous solids which comprises maintaining an agitated and descending bed of said solids in continuous travel through a series of contact zones within a retort, contacting said solids bed with a heated gaseous meduim in a pre-heating zone, passing said bed to a first distillation zone and contacting with a second heated gaseous medium to effect distillation of vaporous and gaseous products therefrom, passing said bed to a second distillation zone and contacting therein with a third heated gaseous medium to effect a higher temperature distillation of vaporous products therefrom, passing said bed to a burning zone and contacting therein with a gas containing free oxygen to effect oxidation of combustible material therein, passing the hot oxidized solids bed to a hot gas producing zone and contacting said solids bed therein with said third gaseous medium prior to passing it with absorbed heat to said second distillation zone, passing said solids bed to a cooling zone and contacting said bed therein with said second mentioned gaseous medium prior to passing it with absorbed heat to said first distillation zone, passing said solids bed to a final cooling zone and contacting said bed therein with the first mentioned gaseous medium prior to passing it with absorbed heat to said pre-heating zone.

2,560,768
WATER HEATER
Vaughn L. Kilgore, Dowagiac, Mich., assignor to The Rudy Furnace Company, Dowagiac, Mich.
Application September 13, 1946, Serial No. 696,915
3 Claims. (Cl. 122—155)

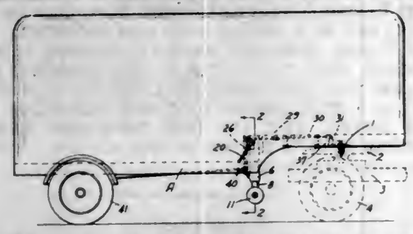


1. A header for a water heater having a cylindrical body member having a plane circular upper end comprising, a continuous inner dome shaped plate having an integral cylindrical flange thereabout of equal diameter to the diameter of the body member and adapted to abut the end of said body member, a continuous outer dome-shaped plate having an integral cylindrical flange therearound arranged telescopically around said first flange and projecting therebelow to embrace the top of said body member, said flanges being welded together with the dome-shaped portions of said plates in spaced relationship, and a smoke pipe extending through both of said plates and secured thereto by continuous welds extending around same smoke pipe, said pipe being positioned eccentrically of said plates and near the edges thereof.

2,560,769
TRACTOR-TRAILER SAFETY LOCK AND BRAKE MECHANISM
George P. Knudsen, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation
Application October 28, 1946, Serial No. 706,258
6 Claims. (Cl. 280—33.05)

1. In a trailer vehicle, in combination, a trailer body, main travel wheels therefor, a king pin at

the front end of the body for connection with a tractor fifth wheel, a safety lock pin mounted on said king pin to engage a tractor fifth wheel, an auxiliary support for the front end of the trailer when disconnected from a tractor including ground engaging members comprising relatively vertically slidable upper and lower parts, means for operating said support to move the lower parts of the ground engaging members toward and from the ground, including an operating shaft transversely mounted upon the trailer body,



the said ground engaging members being located adjacent to the ends of the shaft, gearing between the ends of the said shaft and the ground engaging members, an actuating member slidable on said shaft operably connected to the said lock pin for moving the same up and down, and means interconnecting said actuating member and the shaft to cause sliding of the actuating member on the shaft on rotating the latter, whereby movement is transmitted fom the actuating member to the safety lock pin.

2,560,770

REACTION OF ALLYL ETHERS WITH ALDEHYDES TO PRODUCE KETONES

Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Original application November 9, 1946, Serial No. 708,929. Divided and this application August 9, 1949, Serial No. 109,413

4 Claims. (Cl. 260—594)

1. The process of preparing ketones which comprises reacting an allyl ether with an aldehyde of the formula RCHO where R is hydrocarbon having the carbon atom which is directly attached to the CHO selected from the class consisting of primary and secondary carbon atoms. in the presence of a peroxidic catalyst until the desired ketone is formed, and isolating said ketone.

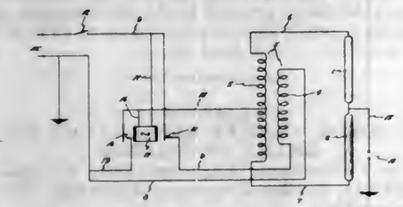
2,560,771

PROTECTIVE CIRCUIT FOR GASEOUS CONDUCTION TUBING

Lewis H. Lamont, Chicago, Ill.

Application April 11, 1949, Serial No. 86,731

2 Claims. (Cl. 315—276)



1. In a circuit for gaseous conduction tubing, the combination with the tubing of a transformer having a primary winding provided with leads for connection to a source of alternating current, a ground connection for one lead, said transformer having a secondary winding provided with terminals across which the tubing is connected, a ground connection from the mid point of said tubing, a relay, a mid point lead from the secondary winding of the transformer through the energizing winding of said relay to the ungrounded lead from the source of current to the primary winding, said relay having normally open contacts, operable when the relay is energized by flow of current through its coil to connect the mid point lead to the grounded primary lead to the source of current, said relay also having normally closed contacts in one of the leads from the primary winding to the source of current.

2,560,772

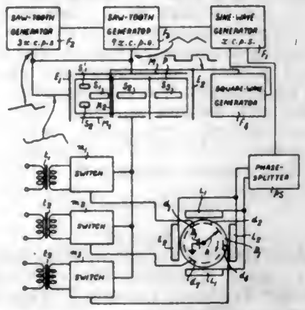
MULTICHANNEL PULSE SIGNALING SYSTEM

Maurice Moise Levy, Earls Court, England, assignor to The General Electric Company, Limited, London, England

Application March 15, 1949, Serial No. 81,519

In Great Britain March 16, 1948

9 Claims. (Cl. 332—13)



1. Pulse-signalling apparatus comprising a cathode ray tube, electron intercepting means located within said tube and having a plurality of edges to define instants of commencement and cessation of electron collection by said intercepting means, said edges being disposed in a succession symmetrically with respect to a track having working strokes during which the track crosses edges and return strokes during which the track moves from one edge to another edge without crossing edges, deflecting electrode means for deflecting the cathode ray beam in a direction along said track during return strokes, means for generating a deflecting voltage of stepped sawtooth wave form having portions of constant voltage separated by portions of progressively changing voltage, means to apply said deflecting voltage to said deflecting electrode means whereby to cause said beam to move in steps along said track during return strokes, means to deflect said beam to vary the instants of crossing of said edges during working strokes in dependence upon voltages applied to such means, and connections to apply signal voltages to the last said means.

2,560,773

SYNTHETIC WAX OF THE CARNAUBA TYPE

Stanley P. Lovell, Newtonville, Mass., assignor to Lovell Chemical Company, Watertown, Mass., a corporation of Massachusetts

No Drawing. Application November 14, 1946, Serial No. 709,785

5 Claims. (Cl. 260—28.5)

1. A yellowish brown wax having a melting point of approximately 216° F., specific gravity of 0.9307 and which is soluble in hot hydrocarbon solvents but not soluble in cold condition, and which is made by heating molten polyethylene and a microcrystalline petroleum wax prepared by oxidizing petroleum tankage together at a temperature approximating 400° F. and in the proportions approximating 35–7% polyethylene to 65–93% wax.

2,560,774

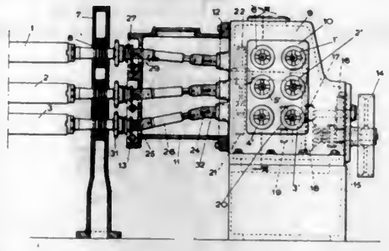
DRIVING AND ADJUSTING MEANS FOR PRINTING ROLLERS IN WEB PRINTING MACHINES

Carlos Luttenauer, Mulhouse, France

Application October 24, 1946, Serial No. 705,290

In France February 16, 1946

6 Claims. (Cl. 101—248)



1. In a printing machine having a plurality of printing rollers, in combination, a driving gear, a plurality of driven gears entrainable by said driving gear, coupling means connecting each of said driven gears with a respective printing roller and embodying mechanism for angularly displacing said printing rollers relatively to the respective driven gear and to one another, said mechanism including a housing secured to each one of said driven gears and rotatable therewith, a shaft forming part of said coupling means and non-rotatable with respect to the related printing roller, said shaft extending into said housing and being rotatable relative to the latter, a pinion journaled in said housing to rotate about an axis normal to the axis of rotation of the latter, irreversible transmission means coupling said pinion with said shaft so that said shaft normally rotates with said housing and may be angularly displaced relative to the housing by rotation of said pinion, and a non-rotatable cylindrical control member extending coaxially into said housing, said control member having peripheral grooves, said pinion having teeth adapted to lie idly in said grooves when said housing is rotated about said control member, said control member being axially displaceable relative to said housing so as to vary the angular position of said driven gear relative to said shaft.

2,560,775

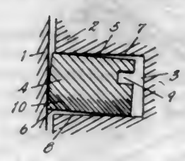
PISTON RING

Ernest R. Olsen, Muskegon, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan

Application May 5, 1948, Serial No. 25,195

16 Claims. (Cl. 309—44)

1. A split expansible resilient piston ring of uniform axial thickness and having parallel top and bottom sides of uniform radial width, said ring having a continuous kerf or slot cut in the inner periphery thereof above its axial center but in substantially spaced relation to its upper side whereby the ring assumed an upward cant when compressed in a piston ring groove, the lower side of the ring being hardened to a substantial depth throughout the full radial width thereof, thereby providing a hardened wear surface co-



acting with the lower wall of a piston ring groove in which the piston ring is installed and a wear resisting cylinder wall contacting edge projecting radially beyond the unhardened peripheral portion of the ring.

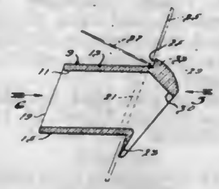
2,560,776

POURING SPOUT

Alfred W. Peters, Detroit, Mich.

Application October 14, 1947, Serial No. 779,706

1 Claim. (Cl. 222—569)



A pouring spout adapted to be inserted into an opening in a container wall, including a hollow body, a pair of opposed laterally projecting flanges on said body, a second pair of opposed laterally projecting flanges on said body angularly disposed with respect to said first pair of flanges so that said pairs of flanges do not overlap and are out of interfering relationship with respect to each other, said pairs of flanges being offset with respect to each other substantially the thickness of the wall of said container in which said pouring spout is adapted to be mounted so that said first pair of flanges is engageable with the outer face of the container wall and said second pair of flanges is engageable with the inner face of the container wall so as to secure said spout to said container and seal said opening around the spout, and a cam surface extending arcuately from one of said second pair of flanges so as to permit said pouring spout to be easily inserted in said container opening.

2,560,777

SHEET-METAL OVEN GAS BURNER

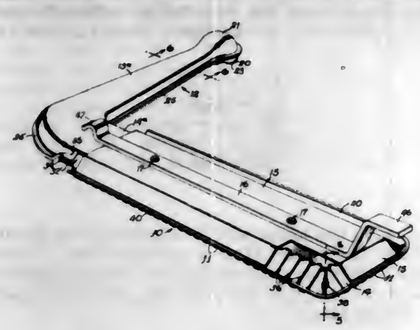
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts

Application January 26, 1945, Serial No. 574,740

6 Claims. (Cl. 158—116)

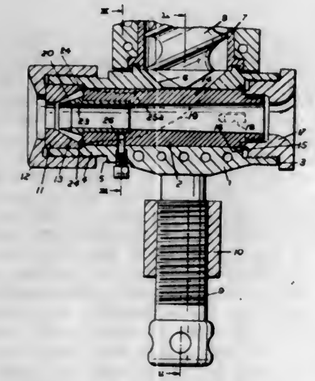
1. An oven burner for gaseous fuel cook stoves comprising, in combination, a pair of complemental sheet metal members of generally channel-shaped cross section assembled in superimposed relation to define an elongated distribution chamber, the upper one of said members being formed of light gauge heat resisting metal, registering marginal flanges formed on the respective members spaced apart to define burner ports opening from said distribution chamber, and a

heavy gauge sheet metal member generally similar in cross section to and overlying said one



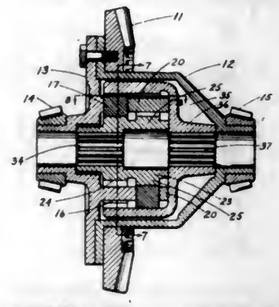
member in closely fitting relation to reinforce the same.

2,560,778
EXTRUSION APPARATUS FOR COVERING CORES
Arthur Bruce Fraser Gillespie Richardson, Eustace Tunnicliff, and Ivan Kenneth Fisher, Leigh, England, assignors to British Insulated Callender's Cables Limited, London, England, a British company
Application February 28, 1950, Serial No. 146,862
In Great Britain March 23, 1949
6 Claims. (Cl. 18—13)



5. A self-centering head for a machine for the extrusion of stock, comprising a bored body member having a lateral opening for the feeding of stock to the bore of said body member, a matrix positioned at an open end of said bore, a core tube positioned in said bore and comprising a rear portion which fits the wall of said bore and a front portion extending across said lateral opening and forward in the direction of said matrix beyond said lateral opening by a distance equal to at least one half the diameter of said lateral opening, said front portion being of reduced cross section compared with said rear portion to form a central web separating a pair of flow passages formed, one on each side of the central web, between the core tube and the wall of the bore, for leading stock from said lateral opening to a forming chamber between said matrix and the front end of said core tube, said flow passages each having at the front end of said central web a cross sectional shape that is symmetrical about a plane which contains the extrusion axis of said head and is normal to the central plane of said web and said central web having on that one of its edges that lies on the same side of the core tube as the inlet ends of said flow passages, a bearing surface which fits the wall of said bore and has an arcuate length that gradually increases from a point near said lateral opening to a maximum about mid-way between said lateral opening and the front end of said web and then gradually decreases to a minimum as the front end of said web is approached.

2,560,779
DRIVING DIFFERENTIAL
Azor D. Robbins, Hempstead, N. Y.
Application October 6, 1948, Serial No. 53,030
3 Claims. (Cl. 74—650)



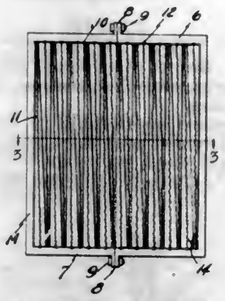
1. A driving differential comprising a primary driving cage having axially extending fingers, a secondary driving cage having fingers engaged in the spaces between the fingers of the first named cage, an annular driven member encompassing said cages and having a series of internal cams, a second driven member within said cages and having a series of external cams arranged in two planes and plungers carried between the fingers of each cage and operatively engaging said cams.

2,560,780
SURFACE WIPING MECHANISM
Columbus R. Sacchini, Willoughby, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application November 9, 1944, Serial No. 562,603
8 Claims. (Cl. 15—255)



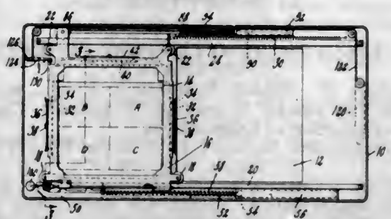
1. In a wiper drive arm mechanism, a mounting head adapted for connection with a driving member, an arm member pivotally connected to the mounting head for movement toward and away from the surface to be wiped, an arm extension lever pivotally carried on the arm member for movement toward and away from said surface, said lever having a wiper-carrying arm extending remotely of the pivot axis of the lever in a direction away from the mounting head and another arm extending from said pivot axis toward the mounting head, a spring on the arm member arranged to act on the latter arm of the lever in a direction to oppose movement of the wiper carrying arm of the lever away from said surface, and means arranged to adjust and lock the mounting head and arm member in an infinite variety of angularly adjusted positions about the connecting pivot of the head and arm member.

2,560,781
METHOD OF CASTING CONCRETE SHINGLES
Cecil F. Schaaf, Flint, Mich.
Application September 10, 1947, Serial No. 773,108
2 Claims. (Cl. 25—154)



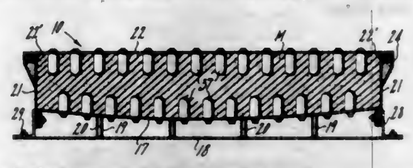
1. A method of casting pre-cast shingles which consists in providing a sheet metal plate to provide a plurality of compartments, the end walls of which are alternately open and closed, providing a bead in the closed end wall of each compartment, inserting one end of a reinforcing sheet therein, pressing the compartments toward each other to close the open ends and grip the sheet therebetween, then filling said compartments with a cementitious aggregate to form a plurality of pre-cast shingles, and then releasing said pressing means after the cementitious aggregate has set.

2,560,782
X-RAY APPARATUS
Frank Scholz, Wayland, Mass.
Application January 5, 1949, Serial No. 69,312
7 Claims. (Cl. 250—66)



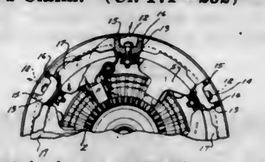
1. Apparatus of the class described, comprising a cassette holder with an opening adapted to receive a cassette with its long axis horizontal, spring-pressed strips carried by the holder in position to press against the ends of a cassette thus located in the holder, said opening being of sufficient height to permit upward movement of the cassette relative to the holder to a predetermined upper position therein, and means on said holder releasably supporting the cassette in said upper position.

2,560,783
MOLDING APPARATUS
Benjamin H. Scott, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 4, 1948, Serial No. 63,483
5 Claims. (Cl. 18—39)



5. A shaping mold for setting and curing foam rubber in a high frequency electrical field comprising in combination, a female mold member open at its top and adapted to contain a quantity of foamed rubber, a relatively flat metal cover for the mold, a metal inner floor and a metal outer floor for the mold, each floor carrying at its outer periphery a vertically extending metal strip, and upstanding side walls formed of several plies of resin impregnated glass cloth and forming a surrounding insulating wall that is firmly clamped between said metal strips.

2,560,784
GENERATOR COOLING SYSTEM
Richard E. Sears, Cleveland Heights, Ohio, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application August 6, 1948, Serial No. 42,779
1 Claim. (Cl. 171—252)

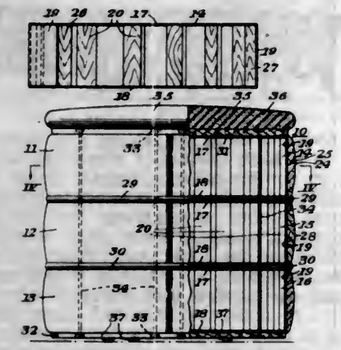


In an electrical apparatus having a housing, an armature, a commutator and commutator brushes, a source of pressure cooling air and an intake for same at the commutator end of the housing and discharge outlets at the other end thereof, brush holders for said brushes each formed with brush receiving openings and a channel on each of two sides of each brush to form passages for said pressure cooling air, supporting brackets for said brush holders with side openings, said housing having openings to atmosphere adjacent to and substantially radially of each brush holder and otherwise closed with respect to that part that encloses the commutator for confining and insuring air flow on both sides of each brush, through the side openings of each bracket holder and through said housing openings to atmosphere.

2,560,785
HASSOCK AND METHOD OF MANUFACTURING THE SAME
Anthony Wilson, Beaver County, Pa.
Application April 26, 1950, Serial No. 158,095
12 Claims. (Cl. 155—169)

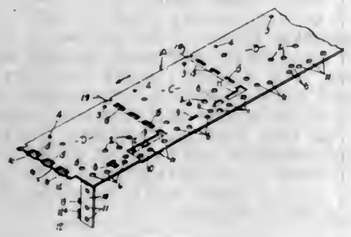
5. A hassock or the like comprising a plurality of separate structural units assembled in a plu-

rality of equal side-by-side stacks, a pair of cover members extending across opposite ends of said stacks, separate pieces of upholstery extending over exposed portions of units with some edges of said upholstery pieces tucked between adjacent units and other edges of some of the upholstery pieces tucked between adjacent cover members and units, and tie rods extending through the units in said stacks and fastened at either end to the cover members to clamp the assembly together with the said upholstery edges securely disposed within the assembled hassock or the like.



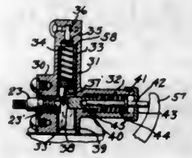
9. A method of constructing a hassock comprising stacking a plurality of separate structural units one on top of another in a plurality of separate stacks, bringing the stacks together side-by-side and placing a top cover piece across the top and a bottom cover piece across the bottom of the side-by-side stacks, extending tie members through each stack, and securing said members to the top and bottom cover pieces, thereby forming a unitary hassock frame.

2,560,786
METHOD OF FORMING BRACKET UNITS
Richard H. Wright, Cleveland, Ohio, and Douglas G. Haight, Chicago, Ill., assignors to The Guarantee Specialty Manufacturing Company, Cleveland, Ohio, a corporation
Application December 27, 1948, Serial No. 67,516
1 Claim. (Cl. 113—116)



The method of forming a bracket unit of the class described, which includes successively partially blanking out a strip of sheet metal to provide bracket body sections having a portion along a side edge thereof extending into the next preceding bracket body section to provide for each section an extension forming a top mounting flange section having an outer longitudinal edge continuing the adjacent outer longitudinal edge of the body of its body section, forming lock lugs on the inner edge of said extension flange sections, severing each extension flange section from the preceding body section, bending the said extension flange section at a right angle to its body section, forming lock lug receiving elements at the end edge of each bracket body section adjacent to its extension flange for receiving said lock lugs, and then bending a portion of the body of each body section aligned with its extension flange section at a right angle to the bracket body section to carry the extension flange section at its inner edge into a position beneath the bracket body section, bending the end of each bracket body section having the lock lug receiving elements into overlying relation with respect to the adjacent lock lugs of the respective extension flanges so the lock lug receiving elements are interlocked with the extension flange lock lugs, and severing the bracket body section from the strip of sheet metal.

2,560,787
SWITCH DEVICE
Leonard D. Boyce, Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation
Original application October 27, 1944, Serial No. 560,656. Divided and this application December 17, 1948, Serial No. 65,900
1 Claim. (Cl. 200—82)

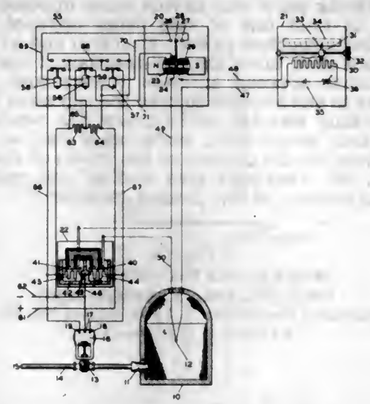


A device of the class described including a cylinder, a pressure responsive piston therein, a switch terminal element projecting into said cylinder, and an electrical conductor carried medially by said piston for cooperation with said element, portions of said piston straddling and extending beyond said conductor and said terminal element and cooperating with said element to prevent rotation of said piston and also cooperating with an end wall of said chamber so as to fix the operative relationship of said conductor and terminal element in the extreme position of said piston.

2,560,788
ELECTRIC TEMPERATURE CONTROL APPARATUS
Carlton W. Bristol, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application August 4, 1944, Serial No. 548,097
12 Claims. (Cl. 236—78)

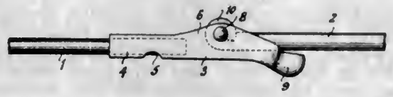
3. In a control system for regulating a variable temperature, means for developing in an electrical circuit an influence in magnitude and direction representative of the deviation of said temperature from a predetermined control value, reversible motor means, a regulating element, means subject to conditions in said circuit for causing said motor to actuate said regulating element in a series of impulses of substantially uniform duration in the same direction and of time separation increasing progressively as said value

is approached, and means for producing in said circuit influences opposing the first mentioned in-



fluence and in magnitude decreasing with increase in time separation of said impulses.

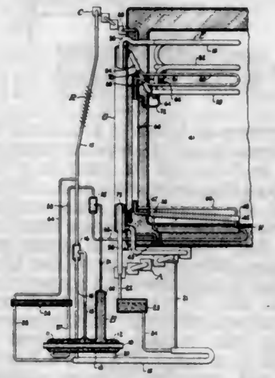
2,560,789
UMBRELLA RIB
Joseph Buono, New York, N. Y.
Application August 26, 1949, Serial No. 112,455
1 Claim. (Cl. 135—31)



In an umbrella, a rib composed of round wire and having an end portion of half-round cross-sectional shape, a shoulder being formed at the junction of the round and half-round parts of the rib, the half-round section being curled into a loop, the free end of said half-round section being positioned adjacent to and behind the shoulder, with the rounded surface of the half-round section abutting said shoulder to prevent the shoulder from contacting with the umbrella covering extending over the rib.

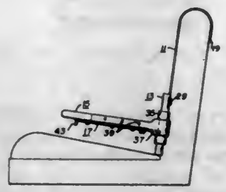
2,560,790
MULTITEMPERATURE ABSORPTION REFRIGERATING SYSTEM USING MULTIPLE STAGES OF GENERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 5, 1947, Serial No. 739,604
12 Claims. (Cl. 62—119.5)

1. That improvement in the art of refrigeration which includes the steps of vaporizing refrigerant from solution having a first range of concentration of refrigerant in an absorbent, vaporizing other refrigerant from solution having a second range of concentration of refrigerant in absorbent in which the maximum and minimum refrigerant concentrations are less than the maximum and minimum concentrations respectively in said first concentration range, liquefying all of said vaporized refrigerant, vaporizing a portion of said liquefied refrigerant into an inert medium refrigerant vapor mixture having a first range of concentration of refrigerant in inert medium, vaporizing the remainder of said liquefied refrigerant into an inert medium refrigerant vapor mixture having a second range of concentration of refrigerant vapor in inert medium in which the maximum and minimum refrigerant concentrations are less than the maximum and minimum concentrations respectively in said first concentration range of refrigerant in inert medium, absorbing refrigerant vapor from inert medium in said first concentration range of inert medium into absorbing solution in said first concentration range of absorbing solu-



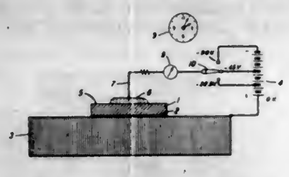
tion, absorbing refrigerant vapor from inert medium in said second concentration range of inert medium into absorbing solution in said second concentration range of absorbing solution, and maintaining said second concentration ranges of absorbing solution and inert medium lower than said first concentration ranges of absorbing solution and inert medium respectively by rejecting heat from inert medium and absorbing solution in said second concentration ranges to refrigerant and inert medium in said first concentration range.

2,560,791
PORTABLE ARMREST FOR MOTOR VEHICLES
Dewitt Fred Fincher and Hoyt Thomas Fincher, Fort Worth, Tex., assignors of one one-hundredth part to William Tatum Wofford, Pittsburgh, Pa.
Application January 10, 1950, Serial No. 137,789
8 Claims. (Cl. 155—198)



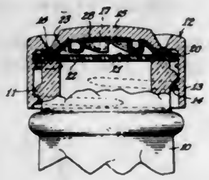
1. A portable auto arm rest, comprising a support member of resilient strip material, one end of which is adapted to clamp the top of an auto seat back, and having a plurality of longitudinally spaced openings located at intervals beginning near the opposite end, a supported member having means for engaging said openings, and an arm rest member slideably engaging said supported member.

2,560,792
ELECTROLYTIC SURFACE TREATMENT OF GERMANIUM
Robert B. Gibney, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 26, 1948, Serial No. 11,167
9 Claims. (Cl. 175—366)



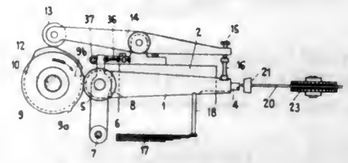
1. The process of treating a block of high back voltage germanium of N-type conductivity characteristics to form on its surface a thin layer having P-type characteristics and separated from the body of the block by a high resistance barrier which comprises coating the face to be modified with a liquid electrolyte in which germanium dioxide is insoluble, applying to the electrolyte a voltage which is negative with respect to the body of the block and of magnitude such as to cause an initial current of about 1 milliampere to flow, maintaining this voltage unchanged until the current falls to a value of about 0.2 milliampere, increasing the negative voltage applied to the electrolyte to a value such that a current of 1 milliampere again flows, maintaining this voltage until the current has decreased to a value of about .2 milliampere, repeating this step until a P-type layer of desired thickness shall have formed, and thereafter removing all electrolyte and oxidation products from the block.

2,560,793
TAMPERPROOF CLOSURE FOR RECEPTACLES
Edgeworth Greene, Great Notch, N. J., assignor to Inter-Seal Corporation, Spring Lake, N. J., a corporation of Delaware
Application December 9, 1949, Serial No. 132,044
10 Claims. (Cl. 215—42)



1. A closure for sealing the opening through the end of a container, which comprises an outer cap adapted for rotary application to the end of the container, a metallic locking member within the cap, the member having an annular portion adapted to overlie the end of the container and a resilient central portion adapted to overlie the opening and raised above the level of the annular portion, and gasket means adapted to rest on the end of the container to close the opening, the cap having a portion of its crown surrounded by a weakened area, the cap and the locking member having cooperating parts provided with opposed surfaces so constructed and positioned that, upon rotation of the cap, they engage positively and cause the locking member to rotate with the cap to force the locking member against the gasket means and apply pressure thereto, said cooperating parts also having other opposed surfaces, at least one of said other opposed surfaces being inclined in such direction and at such an angle that, upon counter-rotation of the cap, said other opposed surfaces engage and slide relative to one another to urge the cap away from the locking member and rupture the weakened area, said cooperating parts being carried, respectively, by the portion of the crown of the cap within the weakened area and by the resilient central portion of the locking member.

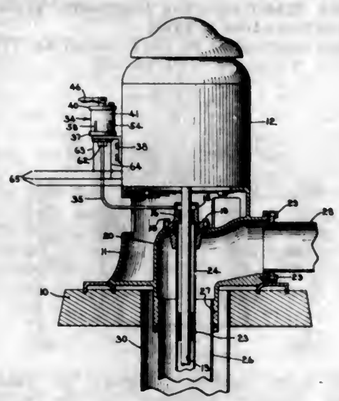
2,560,794
WIREWORKING MACHINE
Emil Gut, Luzern, Switzerland
Application December 2, 1948, Serial No. 63,107
1 Claim. (Cl. 10—12)



In a wire working machine, such as a pin and rivet press for forming heads on pins or rivets in one or several swaging operations, a ram slide arranged slidably between two parallel cheeks, an upwardly extending lever pivotally mounted with its lower end to a stationary axle and carrying a pin on its upper end, said ram slide being supported with its end opposite the one performing the swaging operations on said pin, means including a rotatable cam for moving said slide lengthwise and also including means operating in predetermined relation to said cam for oscillating said ram slide about said pin to bring different portions of the end of the ram performing the swaging operation in alinement with the end of a workpiece to be provided with a head, a shaper engaging the workpiece adjacent the end on which the head is to be formed, and an adjustable stop for limiting the movement of the ram slide away from the workpiece in such a manner that the swaging face of the ram, during the motion of the latter passes close to the end of the workpiece projecting from said shaper, thereby stripping off any scrap clinging to the latter, said adjustable stop comprising a rotatably adjustable eccentric mounted on the frame of the machine, said upwardly extending lever being provided with an extension engaging said eccentric, and spring means urging said extension in continuous engagement with said eccentric.

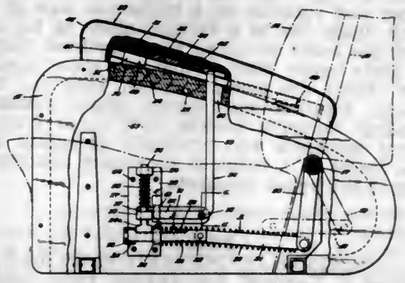
2,560,795
HEATER FOR LUBRICANTS
Dale E. Harris, Sanger, Calif.
Application December 18, 1948, Serial No. 66,104
2 Claims. (Cl. 219—38)

2. In an apparatus having an electric motor, a drive shaft, a bearing rotatably mounting the shaft, a lubrication oil reservoir located above the bearing and supported on the motor, and an oil lubrication conduit connecting an outlet at the bottom on the reservoir and the bearing, a heating system comprising an electrically energized heater extending into the reservoir closely adjacent to the outlet of the reservoir, a thermostat extending into the reservoir, and means electrically connecting the heater and thermostat in



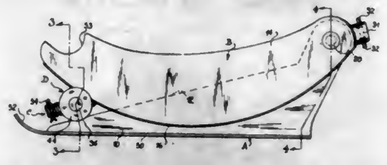
series and the series circuit of the thermostat and heater in parallel with the motor.

2,560,796
ARM CAP RELEASE FOR RECLINING BACKS OF COACH SEATS
Edward W. Hollis, Evanston, Ill., assignor to Coach & Car Equipment Corporation, Chicago, Ill., a corporation of Illinois
Application March 27, 1947, Serial No. 737,492
3 Claims. (Cl. 155—161)



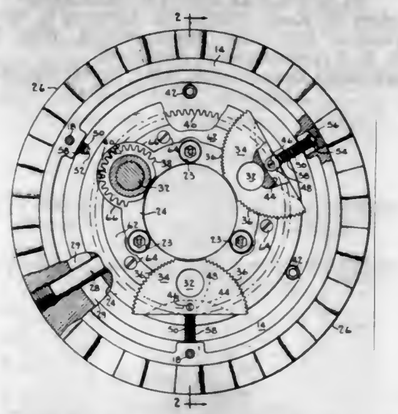
1. The combination with a seat having a side structure, an adjustably reclinable back, and a spring biasing said back toward upright posture, of mechanism including a slide-bar operatively connected with the back, and a locking bolt associated therewith for releasably locking said back in any of several reclined positions, and means for releasing said locking bolt from its locking position including a lever pivotally supported on said structure and projecting upwardly from its pivotal center and an elongate arm cap superimposed upon said structure and pivotally connected to the free upper end of said lever, said arm cap having an elongate recess opening downwardly and in which is seated an elongate channel member having an opening for reception of said lever, said channel member having each end formed with inturned flanges providing guideways for slidable anchoring engagement with an anchoring element secured to the top of said side structure.

2,560,797
JACK
Marion W. Humphreys, Euclid, Ohio
Application July 10, 1946, Serial No. 682,561
9 Claims. (Cl. 254—126)



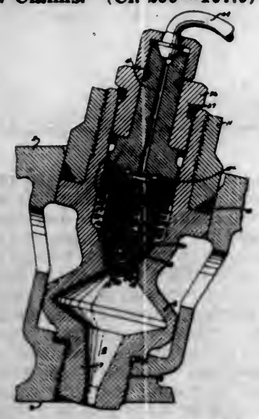
1. In a jack, a base adapted to be positioned on the ground or the like and having an elongated upper surface inclined to the horizontal and including a portion extending above the high end of said surface, a lifting lever, means for pivotally connecting said lifting lever to the base above the high end of said inclined surface, said lever having a lower surface oppositely facing said inclined surface and relatively disposed thereto at an acute angle, an operating member intermediate of, and engaging, said surfaces, and means for moving said operating member relative to said surfaces to raise or lower the said lifting lever.

2,560,798
CHUCK
Otto M. Jensen, Racine, Wis., assignor to Peerless Machine Company, Racine, Wis., a corporation of Wisconsin
Application March 2, 1949, Serial No. 79,142
11 Claims. (Cl. 279—113)



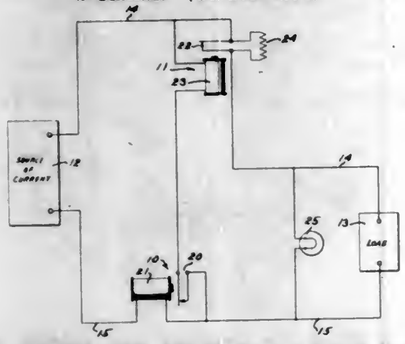
1. A chuck for centering and holding work comprising, in combination, a housing adapted for rotation by a machine spindle, a ring gear mounted within said housing for rotation therewith, a carrier rotatably mounted within the housing, at least three pins mounted in said carrier and being equally spaced from each other and from the axis of said carrier, a pinion gear mounted on each of said pins and meshing with said ring gear, an arcuate jaw mounted on each pin and adapted to be rocked into engagement with the work at varying distances from the center of its corresponding pin, each of said jaws being fixed with respect to its corresponding pinion gear, and manual means for rotating said carrier within said housing to walk said pinion gears on said ring gear to rock said jaws about the axis of their corresponding pins.

2,560,799
FUEL INJECTION MECHANISM
Lloyd E. Johnson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application August 2, 1946, Serial No. 687,911
7 Claims. (Cl. 299—107.6)



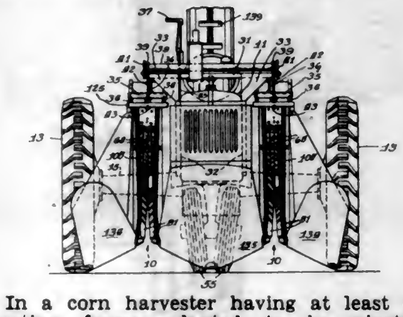
1. A fuel injection nozzle assembly comprising a nozzle tip, an internally threaded nut, a formed capsule enclosing said tip and nut for retaining them against separation, a fuel supply bonnet for directing fuel to said tip, and a threaded portion on said bonnet adapted to be received by said nut.

2,560,800
ELECTRICAL CIRCUIT BREAKER
Herbert W. Koch, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1947, Serial No. 794,972
2 Claims. (Cl. 175—294)



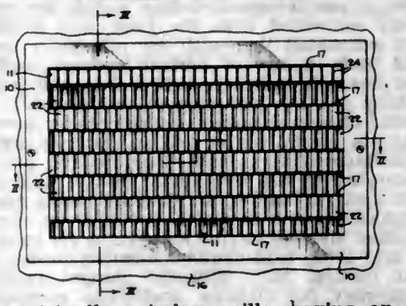
1. A circuit breaking apparatus comprising a source of current, a load connected to said source, a normally unoperated first relay with normally closed break contacts, said relay having an operating coil connected in series with said source and said load and being unoperative under normal loads, a normally operated second relay having an operating time less than said first relay connected across said load through said break contacts, said second relay having normally closed make contacts and operable upon release to open and break the circuit between the source of current and the load, said second relay being deenergized before operation of said first relay when a short circuit occurs in said load so that increased protection is afforded under short circuit conditions.

2,560,801
ENDLESS CHAIN GATHERER FOR CORN PICKERS
Henry J. Kuhlman, Waterloo, Iowa, assignor to Kuhlman Manufacturing Company, Waterloo, Iowa, a corporation of Iowa
Application September 10, 1947, Serial No. 773,227
7 Claims. (Cl. 56—18)



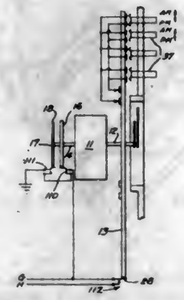
1. In a corn harvester having at least one harvesting frame adapted to be pivotally mounted at a point adjacent the rear portion of a tractor and to extend angularly downwardly to a point on one side of the front wheel of the tractor the combination of a single pair of harvesting rolls extending longitudinally of the frame and rotatably mounted thereon, each of said harvesting rolls including an upper bearing, a lower bearing, an articulated joint between the upper and lower bearings, and a shiftable center bearing at the articulated joint to adjust the distance between the surfaces of the rolls; together with a pair of conveyor chains extending between a pair of upper sprockets adjacent the upper end of the harvesting rolls and a pair of lower sprockets adjacent the lower end of the rolls, the upper sprockets being coaxial with each other and rotating on a horizontal axis so that each chain lies in a vertical plane at its upper end, the lower sprockets being inclined inwardly at their upper sides so that the upper spans of the chains are closer together than the lower spans; together with curved chain guides extending inwardly toward each other from the lower sprockets and gradually diverging along the frame to a point of maximum spacing adjacent the upper sprockets.

2,560,802
LAMINAR COUNTERFLOW GRILLE
Robert R. Lambert, Los Angeles, Calif., assignor to Air-Factors, Inc., Los Angeles, Calif., a corporation of California
Application August 1, 1947, Serial No. 765,421
5 Claims. (Cl. 98—121)



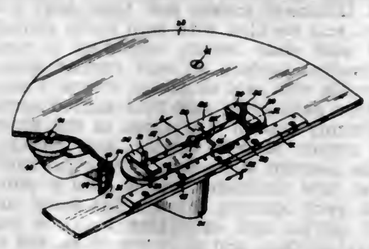
1. A virtually noiseless grille, having an air inlet plane and a spaced air discharge plane, adapted for distribution of high velocity air, comprising: a plurality of parallel, longitudinally extending spacing bars of appreciable depth lying in planes perpendicular to the inlet and discharge planes of the grille; and a plurality of uniformly spaced, transversely extending strip members, each provided with a plurality of tongue portions, said strip members being arranged in nested and interconnected relation with the spacing bars, tongue portions of the strips extending from one bar to an adjacent bar, said spacing bars dividing the grille into longitudinally extending sections, each section including a plurality of air passageways of rectangular cross section throughout their length, the tongue portions in at least some of said sections lying in parallel planes inclined to the planes of their associated strips, whereby the passageways are of rectangular and smaller cross section at the air discharge plane of the grille than at the air inlet plane.

2,560,803
RADIO PROGRAM SELECTION SYSTEM
Joseph H. Landells, San Francisco, Calif., assignor of one-half to Eugene M. Eichenbaum, San Francisco, Calif.
Application August 31, 1948, Serial No. 47,105
4 Claims. (Cl. 161—1)



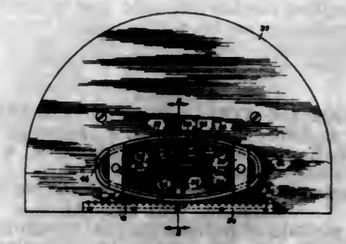
1. A radio program selection system comprising clock mechanism including hour, minute and second shafts, a first timing disc on said hour shaft divided into a plurality of contact segments each carrying split-contacts in circumferentially arranged rows affording a. m. and p. m. differentiations, a contact actuating nodule on the periphery of said first timing disc, a second timing disc on said minute shaft, contact actuating nodules on the periphery of said second timing disc at 90 degree intervals thereof, a third timing disc on said second shaft, a contact actuating nodule on the periphery of said third timing disc, a selector lever mounting block supported in proximity to said first timing disc, a plurality of selector levers each having a contact arm pivotally and slidably mounted on said mounting block in spaced intervals circumferentially about said block for selectively engaging any selected portion of any one of said split-contacts, and an electrical circuit containing a plurality of selector relays electrically connected to said contact arms of said levers and to said split-contacts for effecting the establishment of pre-selected tuning circuits of a radio receiver or for effecting establishment of a pre-selected recorder circuit.

2,560,804
CUTTING AND FLANGING ATTACHMENT
Harry A. Lang and Roy M. Graves, Evansville, Ind.
Application November 28, 1947, Serial No. 788,764
9 Claims. (Cl. 153—29)



1. In a device of the class described, a fixed base, a work carrier movably supported on said base, and slide and guide means provided by said base and carrier, respectively, and cooperating to establish a movement path for said carrier relative to said base, in which said carrier moves rectilinearly to a predetermined extent, then turns about an axis fixed relative to said base, then moves rectilinearly to the same extent in the opposite direction, and then turns about the same axis, said guide means including an element fixed relative to said base and engaged by said carrier, said element defining said fixed axis, an abutment device on the base engaged by one lateral edge of said carrier throughout the rectilinear movement of said carrier in one direction and another abutment device engaged by another lateral edge of said carrier during the latter portion of such movemet, said other abutment device being mounted for retraction from cooperative engagement with said carrier, and cam means moving with said carrier and acting upon said other abutment device, when said carrier completes its said rectilinear movement, to effect such retraction of said other abutment device.

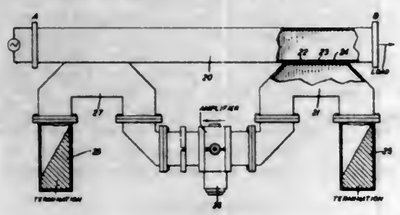
2,560,805
CUTTING AND FLANGING ATTACHMENT
Harry A. Lang and Roy M. Graves, Evansville, Ind.
Application June 28, 1949, Serial No. 101,696
11 Claims. (Cl. 153—29)



1. In a device of the class described, a fixed base, a work carrier movably supported on said base and slide and guide means provided by said carrier and base, respectively, and cooperating to establish a movement path for said carrier relative to said base, said guide means comprising a substantially rectilinear guide abutment means

fixed relative to said base, a guide element of circular cross section upstanding from said base upon an axis spaced from said guide abutment means and transverse relative to the length of said abutment means, and at least one pin upstanding from said base upon an axis spaced from said abutment means and from said guide element and parallel with said guide element axis, and said slide means including a continuous perimetral surface on said carrier slidably engageable with said abutment means, a continuous surface paralleling said first-named surface and uniformly spaced therefrom in the direction of the center of said carrier, and engaging said guide element when said perimetral surface engages said abutment means, and a plurality of slots, each opening through the lower surface of said carrier and extending between said perimetral surface and said second-named continuous surface to pass said pin as said carrier rotates about the axis of said roller, said pin engaging said second-named continuous surface at times to assist in establishing said carrier movement path.

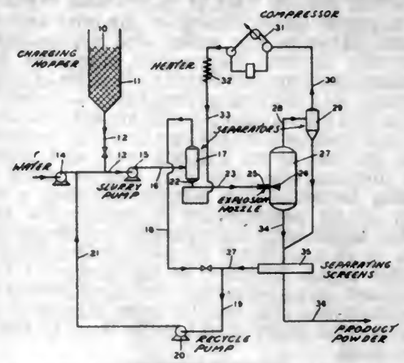
2,560,806
ECHO SUPPRESSION IN TRANSMISSION LINES
Willard D. Lewis, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 5, 1948, Serial No. 13,263
14 Claims. (Cl. 178—44)



1. In combination with a shielded transmission line carrying electromagnetic microwave signals in a first direction of transmission and echoes of said signals in the opposite direction of transmission, directionally-selective coupling means for deriving a sample of said echoes to the exclusion of said signals, means for amplifying said derived sample, and means for inserting the amplified sample into said line in such phase and amplitude as to substantially reduce said echoes.

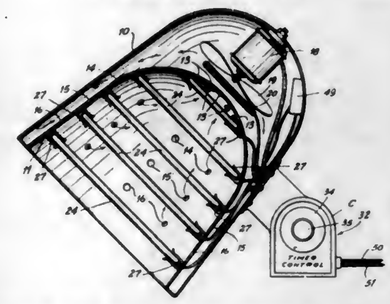
2,560,807
METHOD OF EXPLOSIVE PULVERIZATION
Walter E. Lobo, Westfield, N. J., assignor to The M. W. Kellogg Co., Jersey City, N. J., a corporation of Delaware
Application September 18, 1947, Serial No. 774,768
4 Claims. (Cl. 241—1)

1. A method of pulverizing coal which includes the steps of: reducing said coal to granular form; forming a slurry of said granular coal with water; pumping said slurry to an elevated pressure; separating the greater portion of said water from said slurry at elevated pressure; mixing said granular material at elevated pressure with high pressure steam; suddenly reducing the pressure on said mixture to produce explosion pulverization therein; recompressing the steam produced from said pressure reduction and recycling it to be reused in said explosion pulverization step; screening said particles produced in said pulver-



ization step; and recycling the oversized particles with water to said pumping step.

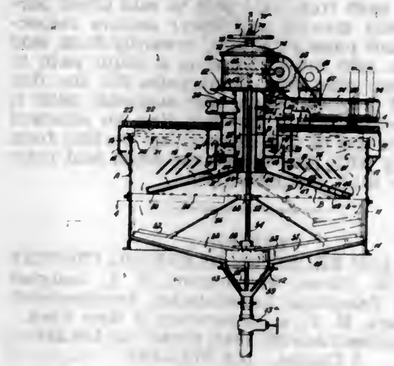
2,560,808
GERMICIDAL HAIR DRIER OR THE LIKE
James C. Maccallum, St. Louis, Mo.
Application November 26, 1948, Serial No. 61,989
15 Claims. (Cl. 34—53)



1. In a germicidal hair-drying apparatus, a support, germicidal radiant energy producing means disposed in a basket shape having sides and one end with the other end open, to provide a multitude of beams of such energy extending in all directions within the interior of the basket arrangement, said energy producing means being of the type to produce ultraviolet radiant energy of germicidal character, within the range of about 2535–2575 angstrom units, the support comprising a generally hemispherical container having an opening therein, the container being of a size to fit over a human head and having an interior surface of approximately the size of the basket shaped radiant energy producing means, and being reflective of such germicidal rays, and shaped to reflect beams of such energy in a multitude of directions within the container, and hair-drying means to dry hair on a head inserted into the container.

2,560,809
METHOD AND APPARATUS FOR SEPARATING MATERIALS
Henry K. Martin, Ironwood, Mich., assignor to Reserve Mining Company, Babbit, Minn., a corporation of Minnesota
Application July 10, 1946, Serial No. 682,632
11 Claims. (Cl. 209—8)

4. In apparatus of the character referred to, a vessel having an overflow opening adjacent to the top and an outlet adjacent to the bottom, means for controlling flow through said outlet, a hollow member within said vessel extending adjacent to but spaced from the side walls of the said vessel, the said member having an inclined upper surface provided with a plurality of openings communicating with the interior of the member, means for conducting liquid under pressure into the interior of said member, means for supplying material to be separated to said vessel



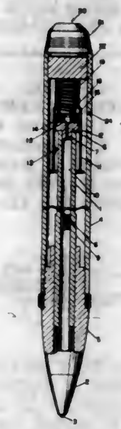
above said inclined upper surface, means adjacent to the bottom of said vessel for stirring the portion of the material which descends thereto for directing the said material to the outlet, and means having an inlet positioned substantially centrally of said vessel below said hollow member and above the outlet of the vessel for withdrawing liquid from the vessel at a controlled rate to thereby regulate the rate of descent of the material in said vessel.

2,560,810
BALL-POINTED PEN
Hy D. Morris, Baldwin, N. Y., assignor to Universal Fountain Pen & Pencil Co., Inc., New York, N. Y., a corporation of New York
Application June 28, 1947, Serial No. 757,847
5 Claims. (Cl. 120—42.4)



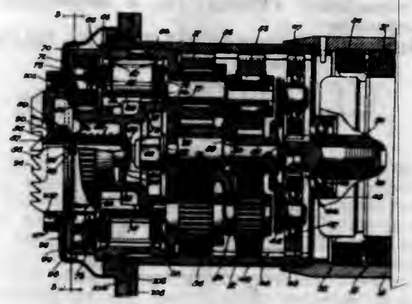
1. In a ball-pointed pen having a ball, an ink reservoir and a feed conduit connecting them, the combination of means for forcing air at increased pressure into the ink reservoir and an air relief vent for simultaneously venting the air in the reservoir at a slower rate than that at which air is forced into the reservoir.

2,560,811
BALL-POINTED PEN
Hy D. Morris, Baldwin, N. Y., assignor to Universal Fountain Pen & Pencil Co., Inc., New York, N. Y., a corporation of New York
Application April 27, 1948, Serial No. 23,479
2 Claims. (Cl. 120—42.4)



1. In a ball-pointed pen having a ball, an ink reservoir and a feed conduit connecting them, the combination of a cylinder slidably mounted upon and in communication with the reservoir, means for sliding the cylinder inward along the reservoir to compress the air within the reservoir and for holding it in air-compressing position, means for retracting it, a washer on the reservoir preventing substantial leakage of air between the reservoir and the cylinder wall, an air vent in the cylinder above the washer when the cylinder is in retracted position and below or opposite the washer during a substantial part of the compression stroke.

2,560,812
STARTER
Romeo M. Nardone, Teaneck, N. J., assignor to Joseph J. Mascuch, Millburn, N. J.
Application April 1, 1946, Serial No. 658,774
5 Claims. (Cl. 74—7)



1. In an engine starter, a source of rotary power, a reduction gear train driven by said power source, a barrel driven by the gear train, a clutch mechanism coupled to the barrel, a spline nut driven by the clutch, a screw shaft rotatably carried within the said spline nut and driven

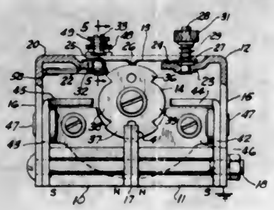
thereby, a jaw member slidably carried upon the screw shaft and driven by the screw shaft, a baffle plate having a jaw receiving opening therein upon the front of the starter, a coil spring carried upon the jaw member, said spring having an outwardly disposed detent thereon secured to the baffle plate and an internal diameter slightly smaller than the outside diameter of the jaw member, said spring being adapted to permit the jaw to rotate in only one direction.

2,560,813
PRESSURE FLUID SERVOMOTOR
Andrew J. Nelson, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 17, 1948, Serial No. 33,501
4 Claims. (Cl. 121—41)



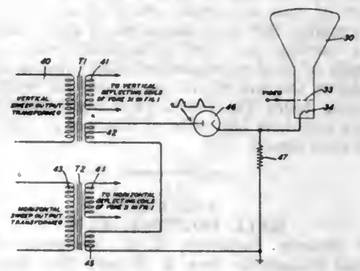
1. In a pressure fluid servomotor for an airplane control system, a cylinder, a piston cooperating with said cylinder, an integral rod assembly carried by said piston having a fluid tight working fit with each end of said cylinder, said rod assembly comprising inner and outer hollow rods having their adjacent walls spaced apart forming an annular chamber therebetween, said inner rod having a reciprocable lost motion connection with said outer rod, fittings secured to the ends of said outer rod at points spaced axially from the ends of said cylinder, means for admitting hydraulic fluid under pressure through said chamber and into said cylinder, means responsive to operative movement of said lost motion connection for directing said fluid under pressure to selectively actuate said piston, and means in said fittings including hydraulic means operative in response to selective actuation of said piston for resisting the operative movement of said outer rod in a degree proportionate to but less than the forces produced by said piston.

2,560,814
MAGNETIC ROTOR OPERATED SWITCH
James H. Nilson, Wilmette, and Vernon C. Westberg, Chicago, Ill., assignors to Sun Electric Corporation, Chicago, Ill., a corporation of Delaware
Application August 2, 1947, Serial No. 765,745
2 Claims. (Cl. 200—87)



1. Switch means comprising a pair of aligned bar magnets having poles of the same polarity adjacent each other, a pole held therebetween, a yoke having two ends respectively abutting the other poles of the magnets, said yoke including a top portion extending between said two ends, said top portion including a pair of depressed portions spaced apart and an opening therebetween, an elongated reed pivoted at one end in one of said depressed portions for movement between two positions and including a downwardly offset portion within said opening, contacts at the other end of said reed adapted to engage fixed contacts, a rotor including alternate sectors of greater and lesser radii, said rotor being rotatable to alternately complete and interrupt a magnetic path from said pole to said offset portion by said greater and lesser sectors respectively, shunt poles extending inwardly from said yoke ends, said rotor providing a shunt path in cooperation with said shunt poles for the flux from said magnets when said magnetic path is interrupted, said opening including an enlarged central portion to prevent said top portion from interfering with reed movement when said rotor completes said magnetic path.

2,560,815
TELEVISION RECEIVER BLANKING CIRCUIT
Bernard M. Oliver, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1949, Serial No. 102,297
5 Claims. (Cl. 315—20)



1. Circuit means for blanking on its flyback strokes the beam produced in a cathode-ray tube by means including a beam control element, comprising means including a coil for producing sweep waves to deflect said beam, means including a crystal limiter for obtaining a reactive pulse from said coil during each flyback stroke of said sweep waves, and means for applying said pulse to said control element in the proper sense to cut off the beam.

2,560,816
VALVE GRINDING MACHINE
Simon J. Petersen, Miami, Fla., assignor to Imperial Products, Inc., Miami, Fla., a corporation of Florida
Application August 13, 1947, Serial No. 768,336
9 Claims. (Cl. 51—29)

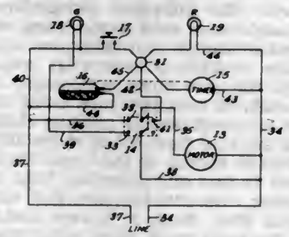
1. A portable valve grinding device including a rotatably mounted support, a tool carrying shaft supported thereby for movement therewith and for oscillatory movement with respect thereto, a motor, an operative connection between the shaft and the motor for oscillating the shaft, means connected between the support and the shaft for imparting a rotary motion to said support while the shaft is oscillating, and friction clutch means associated with said last named means normally operable to drive rotatably said support, but adapted to slip under

conditions of excess resistance to the operation of the shaft to stop rotation of said support and



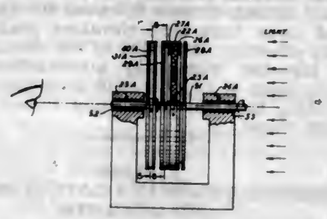
prevent injury to the oscillating means between the motor and shaft.

2,560,817
MOTOR CONTROL SYSTEM FOR DEODORIZING DEVICES
Charles F. Pfeifer, El Monte, Calif., assignor, by decree of court, to Nicholas H. Pfeifer, Anne Stinson, Sally Bateman, Marion Vincent, and Imogene Ross
Application May 7, 1949, Serial No. 91,935
3 Claims. (Cl. 318—484)



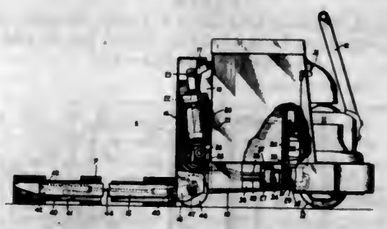
1. A device of the character described, comprising a motor-driven air-circulating unit, a double-throw switch having a switch arm and two poles selectively engaged with said arm, an electric circuit to connect the motor of said unit for continuous operation and including said switch arm and one pole of the switch, a timing device, a normally open tiltable mercury switch, an operative mechanical connection between the timing device and said mercury switch to tilt the latter during operation of the former, a normally open push-button switch, a second electric circuit connecting the motor in series with the mercury switch and including said switch arm and the other pole of the double-throw switch, a circuit connecting the timer across the motor, and a circuit connecting the push-button switch across the mercury switch, whereby, upon connection of said switch arm and said other pole and momentary closing of the push-button switch, both the motor and timer circuits are closed through the latter switch to institute simultaneous operation of the motor and timer, and whereby the mentioned mechanical connection is operated by the timer to tilt and close the mercury switch to maintain the operation of the motor and timer through the closed mercury switch after the push-button switch is released to open.

2,560,818
VISIBLE INDICATOR FOR RADIO OBJECT LOCATORS
John R. Pierce, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1948, Serial No. 68,020
3 Claims. (Cl. 343—11)



1. The combination with a solid transparent material of the type in which stress waves are visible under polarized light, of a light source positioned to throw light on said material, means between said source and said material for polarizing the light from said source, means for periodically setting up a stress wave in one part of said material which travels to other parts thereof, said last-mentioned means comprising a source of ultra-high frequency pulses, means for energizing said light source with echoes of said pulses, and means adjacent said material to make visible portions of said stress wave corresponding to the times of said echoes, said last-mentioned means including a moving screen with an aperture therein.

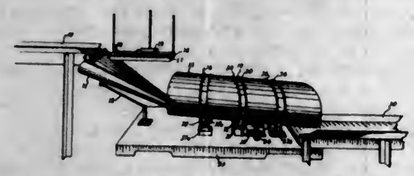
2,560,819
LIFT TRUCK
George F. Quayle, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application December 13, 1947, Serial No. 791,507
6 Claims. (Cl. 254—2)



1. In a truck of the class described, a lifting head, an elevating platform, means mounting said elevating platform for lifting movement relatively to said lifting head, lifting wheels movably mounted on said elevating platform, hydraulic ram means movable in opposed directions into two extreme end positions, means whereby said hydraulic ram means when actuated in one direction move said lifting wheels away from said elevating platform to lift said elevating platform relatively to the ground, said hydraulic ram means when actuated in a reverse direction moving said lifting wheels toward said platform whereby to lower said platform relatively to the ground, intermediate wheels on said elevating platform

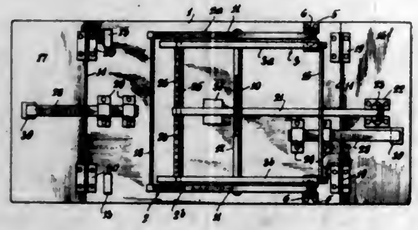
movable upwardly and downwardly with said elevating platform, a forward wheel supporting said lifting head, said hydraulic ram means moving to one of said extreme end positions for holding said platform in a full downward position with said intermediate wheels touching the ground whereby said intermediate wheels and said forward wheel support said elevating platform and lifting head on the ground, said lifting wheels being then held by said hydraulic ram means off the ground with the lowermost portions of their peripheries above corresponding portions of the peripheries of said intermediate wheels, said hydraulic ram means moving to the said opposed extreme end position for lowering said lifting wheels downwardly against the ground away from said elevating platform and thereby effecting the lifting of the elevating platform together with said intermediate wheels whereby then to support said elevating platform and lifting head on said lifting wheels and said forward wheel.

2,560,820
METHOD FOR WAX COATING BEANS AND CARROTS
Kenneth H. Recker, Winter Haven, Fla.
Application August 26, 1948, Serial No. 46,246
3 Claims. (Cl. 99—168)



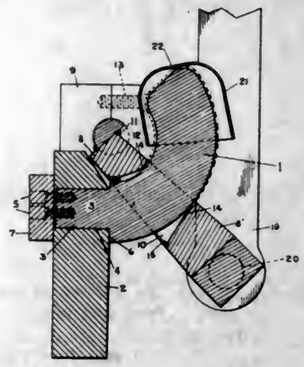
1. A method of coating beans and carrots comprising introducing said produce into a treating zone, applying an aqueous wax emulsion in the form of foam to said produce, rotating said produce to distribute said foam on the surface thereof by the intimate contact of the individual articles of produce with each other as said produce progresses through the treating zone.

2,560,821
VERTICALLY ADJUSTABLE DROP-LEAF TABLE
Hylma H. Rieman and Cecil L. Gray, Muncie, Ind.
Application June 16, 1948, Serial No. 33,406
8 Claims. (Cl. 311—61)



1. In an adjustable height table of the character described, the combination of a first leg member rotatably connected with the table adjacent an upper end of the leg and a second leg member having an upper end movable toward and away from the upper end of said first leg member in accordance with the height of the table, a leaf member hingedly connected with the table and movable in the same general direction as said leg members, means rotatably connecting said first leg member with one of said other members, and means including a link member rotatably connected adjacent one end thereof with said leaf member and adjacent an opposite end thereof with said second leg, movement of the leaf about its hinge connection being effective to move said link generally longitudinally and to move said leg members to thereby change the height of the table.

2,560,822
MEANS AND METHOD FOR MAKING SEAMLESS PIPE ELBOWS
Walton S. Robinson, Westfield, N. J.
Application November 8, 1945, Serial No. 627,347
4 Claims. (Cl. 113—46)

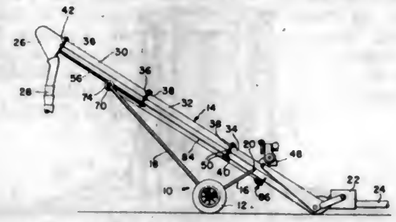


1. In a device of the character described, a curved arcuate horn and a die having an aperture therein slightly larger than said horn but with a circumferential wall of said aperture concentric with the adjacent circumferential surfaces of said horn, said parts being respectively of substantial length and thickness and mounted for arcuate movement one with respect to the other with the said horn surrounded by the said die, the walls of said aperture being flared away from the circumferential portion closest to said horn and the said flare being more abrupt at the arc of shorter radius of the horn than at its arc of greatest radius and tapering from the former to the latter, the construction and arrangement being such that when a hollow metal blank is inserted between said horn and die and one passed over or through the other the metal of said blank will be crowded away from said shorter radius and distributed substantially uniformly throughout its circumference while the length of said blank is extended and its diameter reduced.

2,560,823
GUIDE ROD FOR SMALL GRAIN ELEVATORS
Merrill W. Roscoe, Moline, Ill., and Royal L. Beldin, Davenport, Iowa, assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 14, 1949, Serial No. 115,734
5 Claims. (Cl. 198—121)

1. A grain elevator or the like having a base adapted to rest on the ground or a floor, an elongated elevator element inclining upwardly from the base and carried by the base for selective positioning at different angles to the horizontal, and a support carried by the base for adjustment through various angles relative to the horizontal and having an upper portion engaging and movable along the underside of the elevator element to vary the angular position of said element,

characterized in that: the elevator element includes a plurality of sections arranged in end-to end relationship, each section having an end flange projecting below the underside of the elevator element and paired with and joined to an end flange of a neighboring section, certain pairs of said joined flanges being spaced apart lengthwise of the elevator element with the upper portion of the support therebetween; means is carried on said upper portion of the



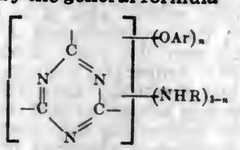
support including a guide member proximate to the underside of the elevator element and having an aperture generally on an axis paralleling the length of the elevator element; and a single guide rod extends beneath and parallel to the underside of the elevator element, is slidable through the guide member aperture and is secured at only opposite end portions thereof respectively to the aforesaid pairs of spaced-apart, joined flanges.

2,560,824
METHOD OF PREPARING A TRIARYL CYANURATE
Frederic C. Schaefer, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 4, 1948, Serial No. 13,075
11 Claims. (Cl. 260—248)

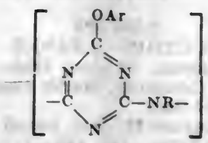
1. The method of preparing a triaryl cyanurate which comprises heating together ingredients consisting of (1) cyanuric chloride and (2) a phenol corresponding to the general formula C_6R_5OH wherein each R represents any member of the class consisting of hydrogen, halogen and alkyl, the ingredients of (1) and (2) being employed in a molar ratio of one mole of the former to not less than three moles of the latter, said heating being continued at a temperature within the range of 170° C. to 250° C. until no more hydrogen chloride is evolved, and isolating from the resulting reaction mass a triaryl cyanurate corresponding to the phenol employed.

2,560,825
AUTOCONDENSATION PRODUCTS OF AN ARYLOXY AMINOTRIAZINE
Frederic Charles Schaefer, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 30, 1948, Serial No. 18,063
15 Claims. (Cl. 260—249.5)

1. An autocondensation product of a compound represented by the general formula

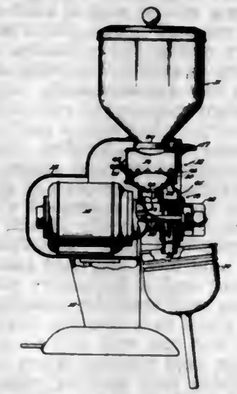


wherein Ar represents a monovalent, monocyclic aromatic hydrocarbon radical bonded to the oxygen atom through a carbon atom of the ring nucleus, R represents a member of the class consisting of hydrogen and monovalent hydrocarbon radicals, and n represents 2, said autocondensation product being a polymeric material containing the structural unit



where Ar and R have the same meanings as given above.

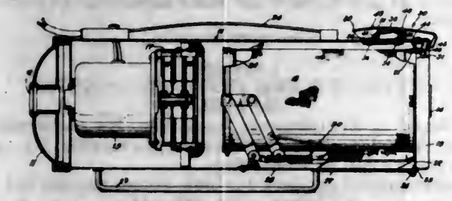
2,560,826
COFFEE GRINDER FEED AND CONTROL DEVICE
Richard L. Schuhmann, Louisville, Ky., assignor to American Duplex Company, Louisville, Ky., a corporation of Kentucky
Application February 11, 1946, Serial No. 646,922
4 Claims. (Cl. 241—63)



1. In combination, a grinder having an inlet passage and a discharge passage, electric motor means for driving said grinder, a measuring device comprising a rotatable barrel that is imperforate except for a single opening therein, said measuring device overlying said inlet passage of said grinder, a hopper having a discharge passage overlying said measuring device, manual means for rotating said barrel from a first position whereby its opening is in communication with the hopper discharge passage to a second position whereby its opening is in communication with said inlet passage of said grinder, said barrel when in said first position receiving a predetermined quantity of material from said hopper and when in its second position delivering a predetermined quantity of material to said inlet passage, said barrel opening being substantially coextensive with the hopper discharge passage when said barrel is in its first position and substantially coextensive with said inlet passage when in its second position whereby said barrel blocks the flow of material from the hopper when the barrel is rotated from said first position and blocks the flow from said barrel to said inlet passage when the barrel is rotated from its second position, and means controlled by said manual means for energizing said electric motor and thereby initiating the operation of said grinder as soon as said barrel is removed from said first position and considerably prior to the communication of the barrel opening with the inlet passage, said last named

means including switch means and cam means overlying and engaging said switch means when said barrel is in its first position, said cam means being rotatable with said barrel whereby initial movement of said barrel from its first position actuates said switch means to energize said motor.

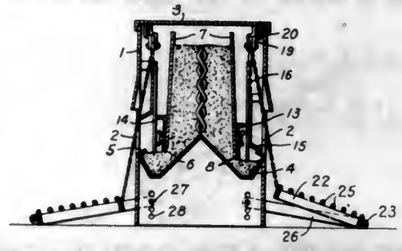
2,560,827
SUCTION CLEANER
Louis E. Segesman, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 21, 1946, Serial No. 691,985
1 Claim. (Cl. 183—37)



In a suction cleaner, a casing, means defining an opening at one end of said casing, a removable cap for said opening and projecting beyond said one end, a dirt collecting filter in said casing exposed to said end opening for emptying the collected dirt therethrough, said end opening means when said cap is removed adapted to rest upon a surface to support said casing thereon in upended filter cleaning position, latch mechanism mounted on said casing and including a lever having hook means at one end movable into and out of engagement with a portion of said end cap to removably attach the latter to said casing one end, link means connected respectively to said lever and said casing by a displaceable pivot and a stationary pivot, resilient means biasing said lever for rotation about said displaceable pivot to a position inwardly of said casing from said one end and to maintain said hook means in said position when said casing is upended on said end opening means into said filter cleaning position, said hook means and end cap portion when in said engagement being arranged with respect to said pivots to prevent said operation of said biasing means, and means at the opposite end of said lever for receiving a force to move said hook means about said stationary pivot out of said engagement with said end cap portion for operation of said resilient means to rotate said hook means to said position inwardly of said casing one end.

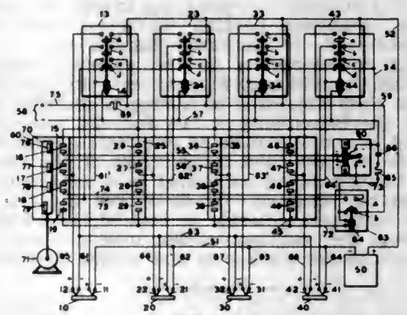
2,560,828
POULTRY AND LIVE STOCK FEEDER
Frank L. Spivey, San Antonio, Tex., assignor of one-half to E. C. Overall, San Antonio, Tex.; Hazel Florence Spivey administratrix of said Frank L. Spivey, deceased
Application October 16, 1944, Serial No. 558,886
3 Claims. (Cl. 119—55)

1. In combination, a housing, said housing having sides provided with feeding openings, feed troughs in said housing in communication with said feeding openings in the sides of said housing, connecting means between said feed troughs, said connecting means being inclined inwardly and upwardly from the inner limits of each feed trough base to the central portion of said housing, said feed troughs being provided with flanged sides, said flanges being inclined inwardly and upwardly, a feed bin within said housing, said feed bin having an open top, and an open bottom, said housing having an open top in communication with said feed bin, vertically adjustable gates carried by the walls of said feed bin for regulating the feed passage area between said feed bin and feeding troughs, vertically slidable doors for said feeding openings, said doors having stop means mounted to the bottoms thereof, said stop means being flanges which mate with the flanges of the



trough sides whereby jolts and vibrations are produced by the impact of the doors' flanges in seating upon the trough sides, feeding platforms adjacent said feeding openings, connecting means between said vertically slidable doors and said feeding platforms whereby the downward movements of the feeding platforms will effect upward movements of said vertically slidable doors and gravity means for closing said doors.

2,560,829
TEMPERATURE RESPONSIVE CIRCUIT SELECTOR
James N. Stewart, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application October 8, 1945, Serial No. 620,981
19 Claims. (Cl. 73—341)

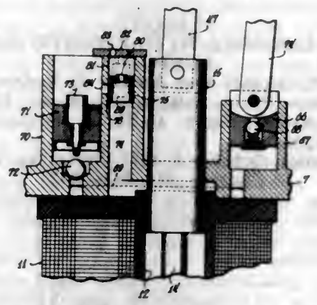


1. Apparatus for selecting for temperature measurement that one of two masses whose temperature is the extreme in a certain direction, said apparatus comprising individual temperature-sensitive elements for producing electrical effects proportional to the temperatures of the respective masses, means for comparing said electrical effects in opposed relationship to obtain a resultant electrical effect differentially representative of the opposed influences of said first-named electrical effects and of a polarity dependent upon the predominance of one of said opposed effects over the other, a measuring instrument, other temperature-sensitive elements individually and thermally associated with said masses, and means subject to said resultant electrical effect for connecting said instrument with one of said last-named elements in accordance with the polarity of said resultant effect.

2,560,830
FEED FOR RUMINANT ANIMALS
Charles W. Turner, Columbia, Mo., assignor to American Dairies Incorporated, Kansas City, Mo., a corporation of Maryland, and The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
No Drawing. Application October 22, 1945, Serial No. 623,854
7 Claims. (Cl. 99—2)

1. A composition for improving the utilization of non-protein-nitrogen and cellulose by ruminant animals comprising coated urea, ground grain, a micro-organismal growth stimulating substance of the class of vitamins of the B-complex, proteins, essential amino acid compounds and cultures of the rumen micro-flora.

2,560,831
CIRCUIT INTERRUPTER
Anthony Van Ryan, South Milwaukee, and Carl Schindler, Wauwatosa, Wis., assignors to McGraw Electric Company, a corporation of Delaware
Application March 28, 1945, Serial No. 585,238
8 Claims. (Cl. 200—89)



1. A repeating circuit interrupter comprising switch means, electromagnetic means for opening said switch means on overload, said circuit interrupter having at least a first quick opening operation on overload, means for closing said switch means, normally ineffective hydraulic means including a cylinder having a vent and a plunger in said cylinder operatively connected to said switch means for delaying the opening of said switch means, a second hydraulic means independent of said first mentioned hydraulic means having means for restricting said vent to thereby render said first mentioned hydraulic means effective to delay the opening of said switch means on continued overload after at least one first quick opening of said circuit interrupter, and pumping means driven from said electromagnetic means for advancing said second hydraulic means towards vent-closing position.

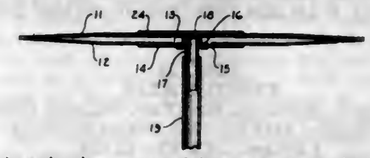
2,560,832
MULTICOLOR MAGAZINE PENCIL
Vojtech Votruba, Ceske Budejovica, Czechoslovakia, assignor to Koh-I-Noor Pencil Factory L. & C. Hardtmuth, Ceske Budejovica, Czechoslovakia, a Czechoslovakian company
Application June 30, 1947, Serial No. 757,974
In Germany January 27, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 27, 1962
6 Claims. (Cl. 120—14.3)

1. A multi-lead magazine pencil comprising a tubular casing, a main lead guide tube coaxially disposed within the lower end of the casing, a magazine tube within the casing above the main lead guide tube and adapted for rotation and axial movement relative to the casing, a pressure head carried by and movable with said magazine tube, a plurality of lead tubes within the magazine tube and individually resiliently se-



cured to the pressure head, a supporting tube within the casing enclosing the magazine tube, and complemental means on the supporting tube and on the magazine tube for successively presenting and holding a lead tube in coaxial alignment with the main lead guide tube.

2,560,833
SPIN TOY
Cleason M. Wagner, Toledo, Ohio
Application October 28, 1946, Serial No. 706,123
3 Claims. (Cl. 46—41)

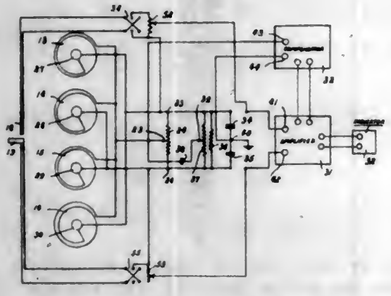


1. A spin toy comprising an elongate hollow blade having outlet ports disposed diagonally in the edge portions thereof, said blade having upper and lower walls of sheet material and the lower wall having a central aperture, a disc secured to said lower wall and having a central aperture coaxial with said wall aperture, an annular metal grommet in said disc aperture and in clamping relation to the edges thereof, a cylindrical tube having its end portion slidably and rotatably extending freely through said grommet, and an outwardly flared integral annular end portion on said tube of greater diameter than the inside diameter of the grommet and permanently positioned between said upper and lower walls and constituting a thrust bearing engageable with either said upper wall or said grommet upon relative sliding axial movement of said blade and disk with respect to said tube for retaining the tube in place, whereby the blade and disc are enabled to rotate about said tube.

2,560,834
LOCATION OF CONDUCTING AND/OR MAGNETIC BODIES
Stanley Whitehead and Benjamin Rosenblum, London, England; said Rosenblum now by change of name Benjamin Roston
Application January 9, 1946, Serial No. 639,986
In Great Britain January 24, 1945
7 Claims. (Cl. 175—182)

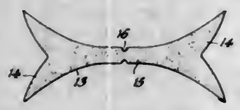
3. Apparatus for the location of electrically conducting bodies and magnetic bodies, compris-

ing means including an electrically conducting loop and alternating current supply means connected to said loop, for producing an alternating magnetic field of substantial strength over a large area, and search apparatus for searching over said area and having dimensions which are small relatively to those of said loop, said search apparatus being movable relatively to said loop and including four substantially equally-spaced



search coils arranged in a substantially straight row, an indicating device, means connecting the two outer coils in said row to said indicating device, and means connecting the two inner coils in said row to said indicating device, said connecting means serving to connect said two outer coils in opposition with said two inner coils, said four search coils being of equal area turns, and the turns of all said coils lying in parallel planes.

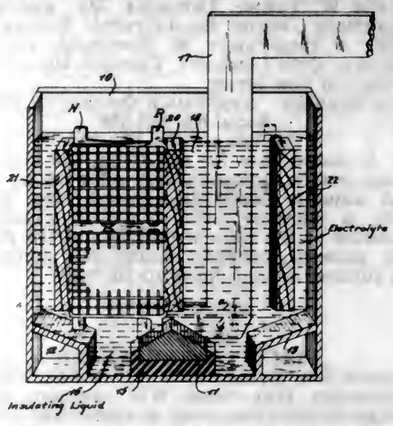
2,560,835
FISHING BAIT
Malcolm C. Williams, Fort Erie, Ontario, Canada
Application May 22, 1946, Serial No. 671,469
1 Claim. (Cl. 43—42.28)



In a detachable bait device of the character described, a symmetrically-shaped body blanked from a single piece of flexible sheet-like rubber material having a neck portion and diverging fish tail like end portions, the neck having notches in its opposite edges centrally of the body.

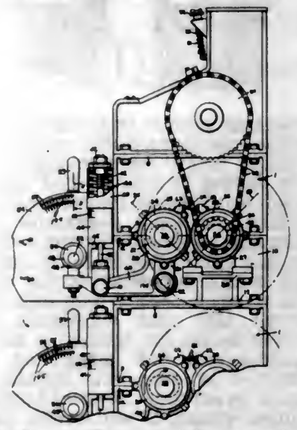
2,560,836
BATTERY PLATE FORMING TANK
Anthony C. Zachlin, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application September 7, 1946, Serial No. 695,528
5 Claims. (Cl. 136—34)

1. In a tank for forming storage battery plates, the combination of a container adapted to hold battery plates to be formed submerged generally vertically in electrolyte, positive and negative contact members in said container each having a part adapted to be engaged by the battery plates to be formed, and an insulating liquid inert to and having a higher specific gravity than the electrolyte in said container and covering the



part of said positive contact member adapted to be engaged by the battery plates.

2,560,837
ROLLER MILL WITH PIVOTED ROLL SUPPORT
Charles J. Alciati and Arthur J. Andersen, San Francisco, Calif., assignors to Moore Dry Dock Company, Oakland, Calif., a corporation of California
Application October 6, 1947, Serial No. 778,246
2 Claims. (Cl. 241—232)



1. A grinding mill comprising a pair of horizontally elongated grinding rolls, a housing enclosing said rolls, stationary bearings carried by said housing for rotatably supporting one of said rolls, a pair of movable bearings for rotatably supporting the opposite ends of the other roll of said pair, a bell-crank pivotally secured to said housing and provided with generally vertically extending arm for receiving one of said bearings at the outer end thereof, the other arm of said bell-crank being generally horizontal, eccentric means directly engageable with the outer end of said other arm for swinging the same to adjust the spacing between said rolls, said last mentioned means comprising a sleeve having a planar outer surface for engaging the outer end of said arm and an eccentric element supported for oscillation within said sleeve for so swinging said arm.

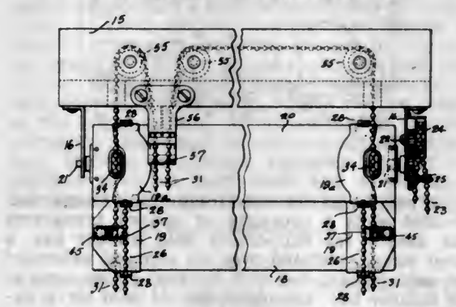
2,560,838
PREPARATION OF FLUORINE COMPOUNDS
Robert Charles Arnold, Bryan, Ohio
No Drawing. Application January 24, 1947, Serial No. 724,251
9 Claims. (Cl. 260—653)

1. In a process for reacting hydrogen fluoride with a difficultly hydrofluorinated acyclic olefin in which olefin at least one halogen atom is attached to the olefinically-linked carbon atoms, the step of heating a mixture of such halogenated acyclic olefin, hydrogen fluoride and a reaction-promoting amount of boron trifluoride to a temperature between about 30 and about 160° C. till the reaction proceeds rapidly.

2,560,839
DETERGENT COMPOSITION
Jackson J. Ayo, Elizabeth, and Ferdinand J. Gajewski, Linden, N. J., and Herbert L. Sanders, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 24, 1947, Serial No. 763,442
9 Claims. (Cl. 252—109)

1. A detergent composition particularly adapted for use in mechanical washing operations, comprising from about 3 to about 30% by weight of a highly foaming compound selected from the class consisting of hydroxy polyaklyleneoxy ethers and polyalkyleneoxy thio-ethers of a compound selected from the class consisting of aliphatic alcohols and phenols, said alcohols and phenols having at least one hydrocarbon radical containing at least 4 carbon atoms, and the alkyleneoxy groups in said hydroxy polyalkyleneoxy ether and polyalkyleneoxy thio-ether radical numbering at least 6, from about 2 to about 10% by weight of a water-soluble alkali metal soap, from about 3 to about 30% by weight of an alkali metal pyrophosphate, with water being substantially the balance.

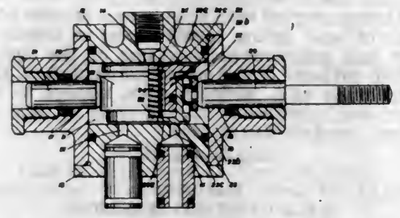
2,560,840
MEANS FOR MOUNTING AND OPERATING THE SLATS IN VENETIAN BLINDS
Donald R. Barnes, Sr., Bridgeport, Conn.
Application January 26, 1950, Serial No. 140,665
5 Claims. (Cl. 160—169)



1. A Venetian blind having a plurality of slats suspended in spaced relation on a flexible supporting means, draw means secured to the lowest of said slats for raising and lowering the blind, and frictional gripping mechanism connecting each slat to said draw means to cause said slats to be lifted simultaneously in normal spaced relation when said draw means is raised, including

relatively movable jaws at least one of which is provided with a transverse recess in its clamping face through which the draw means passes, means pivotally mounting the recessed jaw to turn about an axis extending longitudinally of the slat, and means for operating the slat supporting means to tilt the slats in either direction.

2,560,841
HYDRAULIC VALVE
James William Bishop, Hayes, England, assignor to The Fairey Aviation Company Limited, Hayes, England
Application December 20, 1946, Serial No. 717,485
In Great Britain January 24, 1946
6 Claims. (Cl. 251—73)

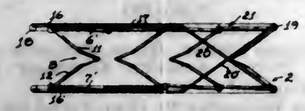


3. A hydraulic slide valve comprising a valve body having two oppositely disposed interior faces, one of said faces being formed with an inlet port and other of said faces being formed with at least two outlet ports, a slide having two parts located between said faces, said parts being hollow and having cooperating portions telescoping in a direction normal to said faces and defining an interior chamber, means in the first of said parts for admitting hydraulic fluid into said chamber from said inlet port, means in the second of said parts for the passage of fluid from said chamber to whichever of said outlet ports is uncovered, said parts having differential hydraulic pressure surfaces exposed to the hydraulic pressure from said inlet, said surfaces being positioned and arranged to urge said parts away from one another against said faces, said second part having exterior surface portions cooperating with said outlet ports and movable with said slide to positions in which, selectively, passage of fluid from said chamber to one or the other or both of said outlet ports is blocked, and operating means accessible from the exterior of the valve body and arranged to move said slide parallel with said faces between said positions.

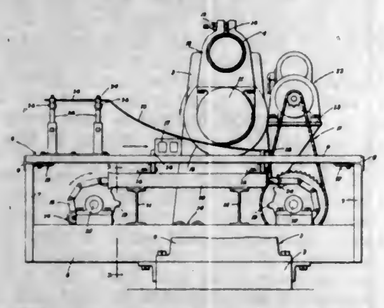
2,560,842
WIRE SPRING STRUCTURE FOR SEAT CONSTRUCTIONS
Svend G. Blumensaadt, Beachwood Village, and William H. Neely and Norman A. Page, Cleveland, Ohio, assignors to Universal Wire Spring Company, Cleveland, Ohio, a corporation of Ohio
Application March 27, 1946, Serial No. 657,476
11 Claims. (Cl. 155—179)

5. A wire spring construction embodying a plurality of sinuously corrugated, M-shaped wire springs having substantially parallel top and bottom portions lying in horizontal planes when said construction is assembled and substantially V-

shaped spacer and connecting means integrally connecting said top and bottom portions with each other, means coupling said springs with each other to form elongated spring structures having substantially parallel top and bottom surfaces yieldingly spaced from each other and yieldingly coupling the elongated spring structures with each other, and two loop-shaped edge wire members having side members bent to provide portions lying in planes angularly related to each other, said edge wire members being arranged in inverted positions with respect to each other and one of said edge wire members extending through the other one, and said edge wire members being coupled with the top and bottom border edges of said spring construction to jointly enclose and interconnect portions of the top and bottom surfaces of the spring construction, yieldingly brace said surfaces with respect to each other and counteract lateral sway of said wire spring construction.



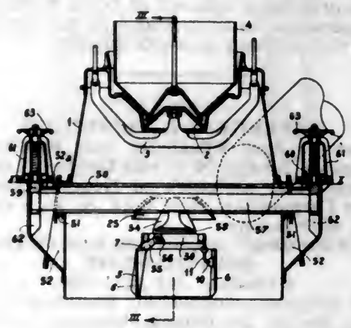
2,560,843
TILE CUTTING MACHINE
Louis C. Brosemer, Sacramento, Calif.
Application July 3, 1950, Serial No. 171,816
6 Claims. (Cl. 125—13)



6. A tile cutting machine comprising a table whose top is provided with a pair of transversely spaced and parallel longitudinal slots therethrough, a pair of alined transverse-axis cutting discs mounted above the table and depending into the slots, and a tile feeding mechanism comprising an endless conveyor mounted under the table top and having an upper run parallel thereto, and tile engaging pusher fingers mounted with and projecting upwardly from said upper run and through the slots adjacent but laterally inward from the discs.

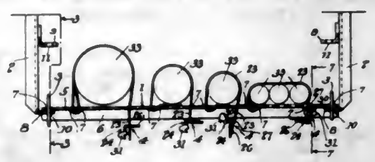
2,560,844
DISTRIBUTING DEVICE FOR THE CHARGE OF SHAFT FURNACES
Max A. Brun, Rombas, and Léon F. Sauvage, Homecourt, France, assignors to Compagnie des Forges et Acieries de la Marine et d'Homecourt (Societe Anonyme) and Societe Lorraine des Acieries de Rombas (Societe Anonyme), both of Paris, France, and both companies of France
Application June 24, 1949, Serial No. 101,124
In France July 16, 1948
6 Claims. (Cl. 214—35)

1. A device for the distribution of the charges in a shaft furnace which comprises a first diametral beam secured at the top of the furnace and adapted to freely expand; a circular beam supported by said diametral beam; a set of regularly spaced plane panels pivoted at their upper end on said circular beam; a radial arm extending from each plane panel; a roller provided at the end of each radial arm; a set of dihedral panels pivoted near their upper ends on said circular beam, each dihedral panel set outside and between two consecutive plane panels



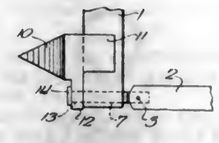
being adapted to cover the edges of the plane panels whatever be their slope; a second diametral beam, arranged at the top of the furnace, adapted to be vertically moved; a central plate secured to said second diametral beam, arranged and adapted to bear on said rollers; and means to vertically move the second beam and central plate while keeping the second beam horizontal whereby said rollers are urged to vary the slope of said plane panels.

2,560,845
HANGER
John A. Carpenter and Arley D. Carpenter, Los Angeles, Calif.
Application January 26, 1948, Serial No. 4,353
5 Claims. (Cl. 248—68)



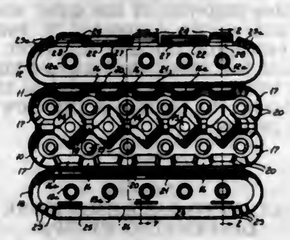
1. A hanger as disclosed including a hanger bar provided with a plurality of spaced transverse slots, means for supporting said hanger bar, a clamp strap extended over an element extended over said hanger bar and secured at one end to said hanger bar, the other end of said strap extending through one of said slots in said hanger bar, a keeper provided with a slot through which is extended said last named end of said strap, said keeper being formed with a pair of spring catches between which said last named end of said strap is extended, said keeper being formed with an edge for engaging said hanger bar, when the keeper is turned, for drawing said strap over said element and for moving said catches over the edges of said strap until said catches are sprung inwardly, and snap into engagement with said strap for locking the strap in clamping position over said element.

2,560,846
REAMER ATTACHMENT FOR HACKSAWS
Eldred E. Caster, Tigard, Oreg.
Application May 22, 1946, Serial No. 671,539
5 Claims. (Cl. 7—13)



1. In a hacksaw, a blade tensioning frame member, an anchor pin passing through said frame member, a reamer bit secured to said frame member by one end of said anchor pin, and means on the other end of said anchor pin for attaching a saw blade thereto.

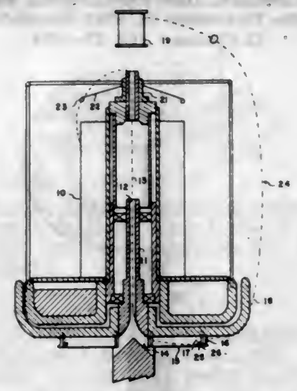
2,560,847
MOLDED FIBER ARTICLE
Merle P. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, South Portland, Maine, a corporation of Maine
Application June 3, 1947, Serial No. 752,187
8 Claims. (Cl. 229—2.5)



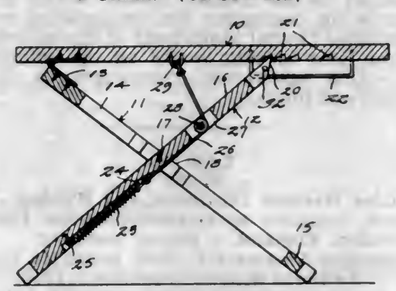
1. A molded fibre carton for eggs and the like comprising: two sections of substantially the same height pivoted to one another and one of which constitutes a compartment section and the other a cover section, compartment knobs extending upwardly from the bottom of the compartment section for substantially the full depth of that section and forming compartments for eggs therein, there being formed on the interior of the cover section, at either side of the compartment knobs and in transversely alined relation thereto, depending yieldable tubular projections open at both ends and of materially less depth than the depth of the cover section.

2,560,848
YARN TAKE-UP DISK FOR DOUBLE TWIST SPINDLES
John Kermit Cochran, Conyngham, Pa., assignor to The Dupian Corporation, Hazleton, Pa., a corporation of Delaware
Application February 14, 1948, Serial No. 8,346
5 Claims. (Cl. 57—58)

1. In apparatus for yarn spinning and twisting, a circular takeup disc having an axial opening, an outer circumferential edge providing a smooth flat path for multiple turns of yarn, an outer opening in said path, and an open passage extending radially connecting said axial opening with said outer edge, the edges defining said outer opening being located in the lower side of said path.

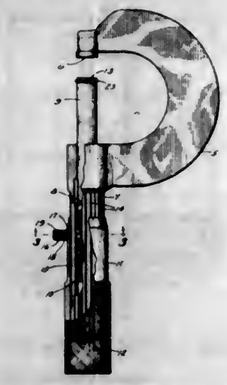


2,560,849
IRONING BOARD
Paul F. Dahlstrom, La Grande, Oreg.
Application October 6, 1948, Serial No. 53,038
1 Claim. (Cl. 38—121)



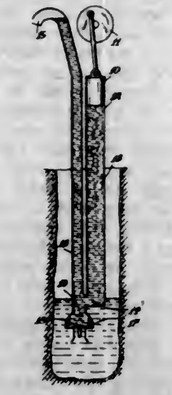
A collapsible ironing board comprising a top board, a pair of crossed legs, means hingedly securing the upper end of one leg to the lower side of said top board, means pivotally securing said legs together at their crossing point, said top board having a series of notches in its lower side, a transversely extending pawl carried by the other of said legs engageable in a selected one of said notches, a pin extending transversely through said pawl, means forming a recess in said other leg, a flexible member extending lengthwise of said other leg, one end of said flexible member extending below said pivot means, a spring secured at one end to said one end of said flexible member and seated in said recess, means comprising a headed pin securing the other end of said spring to said other leg adjacent the outer end of the latter, said other leg having an opening therethrough above said pivot means, a grooved pulley rotatably disposed in said opening, said flexible member being trained over said pulley and extended upwardly toward said top board, means securing the other end of said flexible member to said top board between said hinge means and said notches, and a pair of U-shaped guide bars disposed on opposite sides of said series of notches, extending a substantial distance therebeyond to permit collapsing of said legs and spaced apart a distance greater than the width of said pawl, but less than the length of said pin whereby said pawl is always retained within said guide bars adjacent said series of notches.

2,560,850
TACTUAL MICROMETER
Orville E. Day, Philadelphia, Pa.
Application November 18, 1946, Serial No. 710,493
12 Claims. (Cl. 33—164)



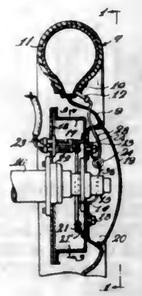
2. A micrometer having a frame, an anvil on the frame, a hub attached to the frame and having a plurality of longitudinal grooves cut therein, said hub being internally threaded, a spindle adapted to be threaded in the hub, a thimble attached to the spindle, means carried by the thimble for contacting the longitudinal grooves to produce tactual indications of the micrometer setting, and locking means on the spindle for preventing inadvertent disengagement of the spindle and the hub.

2,560,851
PUMP
Richard Harland Dickinson, Old Windsor, England, assignor to Hygroequipments Limited, London, England, a British company
Application December 17, 1946, Serial No. 716,832
In Great Britain November 5, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 5, 1965
5 Claims. (Cl. 103—75)



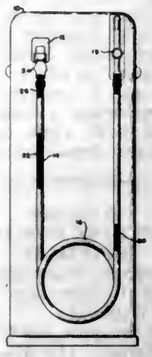
1. In a pump the combination of a cylinder, a piston reciprocable therein, a pressure line extending down from said cylinder to the point from which liquid is to be pumped, a delivery pipe of smaller diameter than said pressure line operatively connected to the lower end thereof and extending upwards to the required point of delivery, an opening at the junction of said pipes to the ambient space constituting the sole inlet for the liquid to be pumped, and a non-return inlet valve in said opening.

2,560,852
ELECTRIC PRESSURE GAUGE
John G. Drane, Tempe, Ariz.
Application April 18, 1947, Serial No. 742,376
2 Claims. (Cl. 201—48)



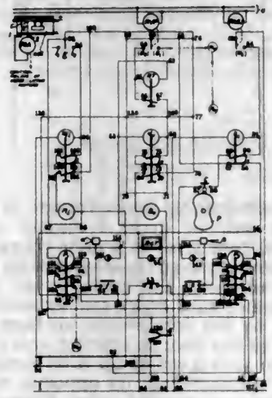
1. In an apparatus of the character described, a pressure pick up comprising, in combination with a tire having a valve stem, a pair of housings, a rheostat mounted in each of the housings, a nipple at the inner end of each of the housings, a T-fitting interconnecting the nipples and the valve stem, a flexible diaphragm at the inner end of each rheostat, a wire extending through the fitting and interconnecting the diaphragms, a disc of conductive material at the outer end of each rheostat, and a wire connected to each of said discs and extending through the outer end of its housing, said last mentioned wires adapted to be connected with a source of electrical energy and suitable circuits to operate a pressure indicator and signal devices.

2,560,853
SELF-COILING FLEXIBLE HOSE FOR DISPENSING PUMPS
Earl E. Eickmeyer and Howard E. Butler, Dayton, Ohio, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application April 27, 1948, Serial No. 23,504
3 Claims. (Cl. 174—47)



1. A flexible fluid dispensing hose including in combination, a flexible dispensing hose having an electrically conductive connection fitting at each end thereof, a coil spring liner in said hose extending from end to end thereof and in electrical contact with both said fittings, a torsion spring member extending axially along said hose and operable to cause said hose to hang in one or more coils when suspended from said fittings, a pin traversing one of said fittings and forming an anchor for one end of said spring member, said spring member terminating at its other end between said coils and said other fitting in free condition, and a cage member on the said free end of said spring whereby the said end is prevented from snagging against the inside of said hose.

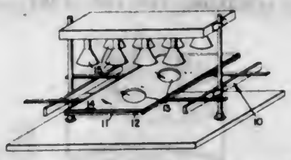
2,560,854
APPARATUS FOR THE CONTINUOUS OPERATION OF CELLS FOR THE ELECTROLYSIS OF MOLTEN SALTS
Louis Ferrand, Paris, France
Application July 16, 1946, Serial No. 684,066
In France June 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 30, 1962
6 Claims. (Cl. 204—223)



1. A cell for the electrolysis of molten salts, comprising a fixed sole, a plurality of normally horizontal current - conductive rock shafts mounted for axial rotation above said sole, anodes depending from said shafts and extending towards said sole, power means for controlling the vertical positions of the ends of said shafts, power mechanism for rocking said shafts upon their axes to provide an oscillatory motion of said anodes, a first voltage-responsive relay connected for operation in accordance with the voltage across said cell, circuit means connecting said first relay and said power means for controlling the latter, a second voltage-responsive relay connected across the cell terminals, connections from said second relay to said power mechanism to control the latter, and means responsive to the condition of said second relay for rendering the operation of said first relay ineffective to energize said power means during operation of said power mechanism.

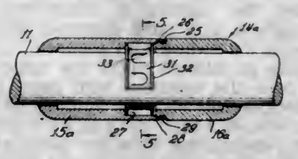
2,560,855
DEVICE FOR DIFFERENTIALLY HEATING A PLASTIC FILM
William F. Flanagan, Dayton, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware
Original application April 12, 1947, Serial No. 741,098. Divided and this application August 20, 1948, Serial No. 45,352
5 Claims. (Cl. 18—1)

1. In a device for heating localized areas of a thermoplastic resin film which is in fluid condition, a heat conducting medium between which medium and the film there is no relative movement disposed on one side of said film and also between said film and a source of heat, said



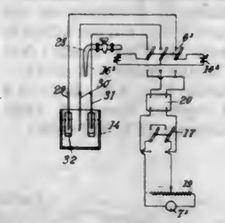
medium having areas of different specific heats and conductivities said areas being of a single specific heat and conductivity in the direction of heat transfer.

2,560,856
MOP CLEANING ATTACHMENT
Edward J. Franta, Cicero, Ill.
Application June 26, 1947, Serial No. 757,112
2 Claims. (Cl. 15—246)



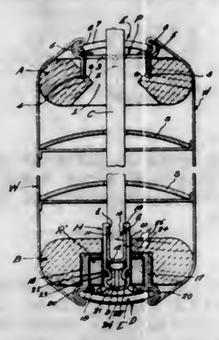
1. A mop cleaning attachment comprising a sleeve having bearing surfaces at each end adapted to receive the handle of a mop, said sleeve having at its center an internal annular groove, a stamped ring member mounted in said groove, said member having a plurality of oppositely arranged friction fingers for gripping said handle to position said attachment thereon, said sleeve being arranged to revolve freely about said ring member.

2,560,857
APPARATUS FOR MEASURING ELECTRO-CHEMICAL POTENTIALS
Emmanuel Léon Gambetta, Saint-Mande, France, assignor to Glodvad Greil, New York, N. Y.
Application June 11, 1946, Serial No. 675,846
In France June 13, 1945
6 Claims. (Cl. 175—183)



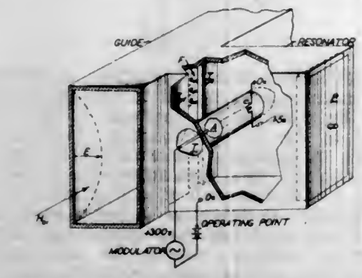
1. A titrimeter which comprises, in combination, a main vessel adapted to contain the solution to be studied, an electrode in said vessel adapted to dip in this solution, two auxiliary half cells in capillary communication with said first mentioned vessel, two adjustable condensers, means for charging each of said condensers with the difference of potential between each auxiliary half-cell electrode, respectively and the first mentioned electrode, means for disconnecting said condensers from said electrodes, means for coupling said condensers together in series, an electrical measurement indicator, and means for discharging the whole of said two condensers thus coupled together into said indicator.

2,560,858
VENETIAN BLIND
William B. Grogan, Long Beach, Calif.
Application October 13, 1947, Serial No. 779,555
1 Claim. (Cl. 160—178)



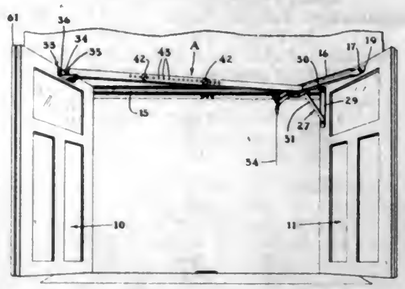
In a Venetian blind, an upper bar, a lower bar, said upper bar having a chamfered opening therethrough, a pull cord disposed through said opening and extending and secured to the lower bar, a plate positioned upon the upper bar and disposed over the opening, said plate having an opening registering with the opening of the upper bar and through which the pull cord is extended, projections depending from the plate at its margins and impinging the top side of the upper bar at opposite sides of the opening therein, upstanding clamping jaws carried by the plate at opposite sides of the opening in the same and extending lengthwise of the upper bar, slats interposed between the upper and lower bars, elongated webs at opposite sides of the slats and operatively engaged therewith, the upper portions of the webs overlying the opposed faces of the jaws, a clamping element interposed between the jaws and holding the webs at the jaws, and means for securing the opposite end portions of the webs to the lower bar.

2,560,859
METHOD FOR MODULATING THE HIGH-FREQUENCY ENERGY TRANSMITTED IN HOLLOW DIELECTRIC GUIDES
Henri Gutton and Antoine Jean Ortusi, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application April 11, 1947, Serial No. 740,842
In France March 2, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 2, 1964
6 Claims. (Cl. 332—58)



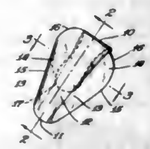
1. A device for modulating ultra-high frequency energy transmitted in a hollow dielectric guide comprising a source of production of the energy, a cavity resonator arranged outside the guide and means by which it is coupled laterally to the wall thereof, an electronic beam tube comprising an anode and a cathode arranged across said cavity in such manner that the electronic beam produced in said tube is directed according to the electrical field of the ultra high frequency wave in said cavity resonator, and means connected to said tube for varying in accordance with modulating signal energy the potential supplied to said anode and cathode.

2,560,860
DOOR CONTROLLING DEVICE
Thomas P. Hannegan, St. Paul, Minn.
Application May 17, 1948, Serial No. 27,413
2 Claims. (Cl. 292—263)



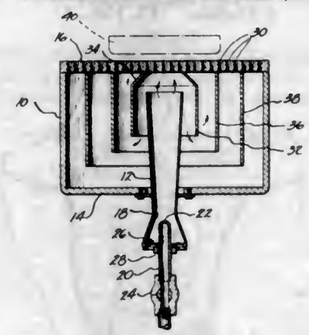
1. A door controlling device for use in conjunction with a pair of doors hingedly connected along parallel fold lines to a door frame, the device comprising an arcuate lever fixedly attached at one end adjacent the midpoint of the inner surface of one of said doors and extending at an acute angle to the inner door surface past the hinged edge of the door, a bracing arm connected at one end to said lever at an intermediate point thereof and connected at its opposite end to the door adjacent the hinged edge thereof, spring urged latch means mounted on said lever adjacent the free end thereof, a keeper on the door frame engageable with said latch means in open position of the door, and link means connecting the other of said doors to said lever forward of said latch at a point in substantial alignment with said bracing arm when the doors are in closed position.

2,560,861
NECKTIE KNOT FORM
Hilmer E. Hanson, Chicago, Ill.
Application June 28, 1947, Serial No. 757,842
2 Claims. (Cl. 2—153)



1. A necktie knot form, comprising: a member of substantially uniform thickness having a central body including front and rear surfaces and opposite sides tapering from one end to the other to provide a relatively long upper edge and a relatively short lower edge; a pair of wings joined to and rigid with the sides of the body, one at each side, each inclining rearwardly and laterally outwardly from its proximate side at an obtuse angle to the rear surface of the body and having a terminal side edge positioned in laterally outwardly spaced relation to said proximate side of the body; and a necktie-clasping tongue joined to the upper edge of the body and extending substantially immediately rearwardly thereof and thence directly downwardly alongside of and in closely spaced relation to the rear surface of the body, said tongue lying generally between and being narrower than the lateral spacing of the terminal side edges of the wings and extending a substantial distance toward the lower edge of the body, said tongue further lying forwardly of a plane containing the terminal side edges of the wings, whereby a necktie portion introduced over the terminal side edges of the wings and between the tongue and rear surface of the body will be caused to assume a serpentine formation.

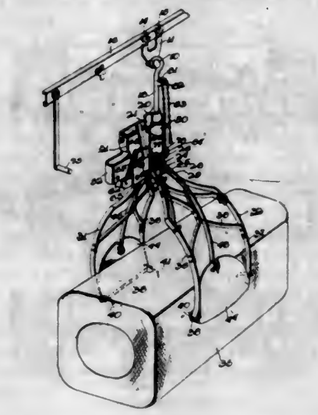
2,560,862
GAS BURNER WITH INTERNAL FUEL DISTRIBUTORS AND VARIABLE FLAME AREA
James A. Harrison, Southfield Township, Oakland County, Mich.
Application February 16, 1946, Serial No. 648,162
16 Claims. (Cl. 158—114)



9. A gas burner comprising, in combination, a circular casing, a circular plate extending across one end thereof provided throughout its extent with perforations forming ports for the discharge of burning jets of gaseous fuel, a plurality of concentrically arranged spaced apart circular partitions in the casing all having a cross sectional area less than the ported area of said plate and each having one edge fixed to the plate and the other edge terminating free, said partitions dividing the casing into a plurality of circularly shaped compartments opening into the interior of the casing on the side thereof opposite to said plate and extending progressively greater distances from the plate the more remote they are from the axis of the plate, and a gas and air delivery and mixing tube entering the end of the casing opposite to the plate and on the axis thereof and having its discharge end terminating short of the center of the plate and within the innermost compartment of the casing.

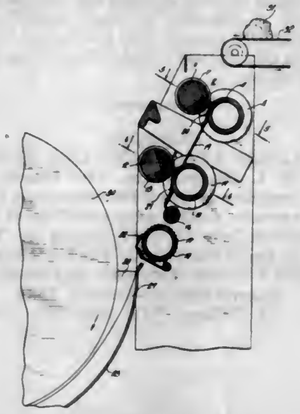
2,560,863
GRAPPLE
Carl M. Hearn, Martin, Tenn.
Application May 23, 1946, Serial No. 671,791
3 Claims. (Cl. 294—109)

1. A grapple for baled material comprising a suspension hook having a shank, a pair of pivoted members shaped to encompass a bale carried by the said shank pivoted prongs carried by each end of the members, means adapted to turn said pivoted prongs into engagement with the material of the bale, means for locking said first-named means and said prongs in engagement with the bale, a pivoted trip lever, and means actuated by and upon pivotal movement



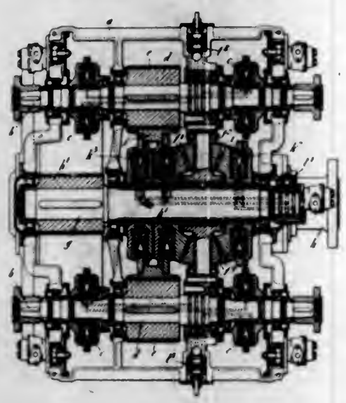
of the trip lever to unlock said second-named means, whereby the weight of said bale serves to pivot said prongs out of engagement with said bale to permit the bale to drop from between the said pivoted members.

2,560,864
MACHINE FOR MOLDING SOUR RYE DOUGH
Charles Hettinger, West Englewood, N. J.
Application April 24, 1946, Serial No. 664,582
1 Claim. (Cl. 107—9)



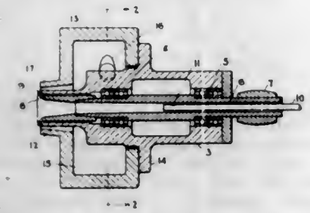
A semi-circular dough trough adapted to coact with a revolving drum and underlying the bottom of same, said trough having a uniform rectangular cross-section to provide an arcuate bottom face concentric with said drum, and arcuate inserts disposed in the respective corners thereof and extending from one end of the trough to the other end, and tapering from the inlet end of the trough toward the discharge end thereof, said inserts providing oppositely inclined faces extending from the bottom face of the trough to the side walls thereof, whereby said faces coact with the drum to shape a dough piece inserted in the inlet end of the trough.

2,560,865
REVERSING GEAR
Thomas Hindmarch, London, England
Application October 9, 1945, Serial No. 621,280
In Great Britain October 12, 1944
4 Claims. (Cl. 74—379)



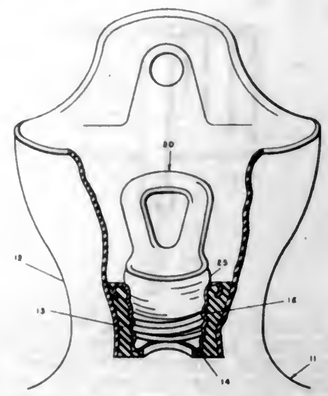
1. A reversing gear for transmissions including at least one driving shaft, a driven shaft, spaced bevel gears freely mounted on said driven shaft, at least one fixed bracket adjacent said driven shaft, at least one pinion mounted on said bracket and extending between and meshing with both said bevel gears, an additional gear fixed to one of said bevel gears and meshing with said driving shaft whereby both said bevel gears and said pinion continuously rotate responsive to rotation of the driving shaft, means for coupling said driven bevel gear to the driven shaft to rotate the same in one direction, means for coupling said other bevel gear to the driven shaft to rotate the same in the reverse direction whereby forward and reverse drive is effected through selective control of said coupling means and both said bevel gears and pinion constantly rotate regardless of the direction of drive.

2,560,866
ROTATING ATOMIZING CUP BURNER
Adriaan M. I. Hoogendam, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 14, 1947, Serial No. 760,899
In the Netherlands June 6, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 6, 1964
2 Claims. (Cl. 158—77)



2. A burner for liquid fuel comprising a supporting housing, a shaft rotatably mounted in said housing carrying an atomizing cup at the forward end thereof, at least the forward portion of the inner surface of the cup being calyx-shaped, widening toward the front, means for supplying the liquid fuel into the atomizing cup, a tubular air nozzle surrounding the atomizing cup and spaced from the cup but closely adjacent thereto to provide a relatively narrow annular channel having its forward outlet in the proximity of the forward edge of the cup and having its axis directed forwardly and said outlet having a diameter substantially equal to that of said cup edge for the forward passage of air essentially parallel to the cup axis, an annular whirl chamber in communication with the rear end of said tubular nozzle and disposed coaxially with respect to said nozzle, said chamber having a circumferential wall of substantially greater diameter than the diameter of said forward outlet, and means for feeding air into said whirl chamber tangentially near said circumferential wall, whereby the angular velocity of air fed tangentially into said whirl chamber is increased in passage from said circumferential wall to said outlet.

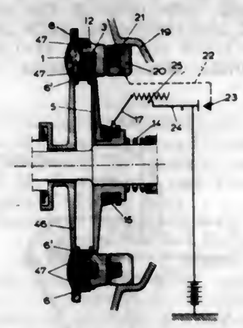
2,560,867
STOPPER
Carl Hoppes, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a corporation of Ohio
Application August 25, 1949, Serial No. 112,385
3 Claims. (Cl. 150—8)



1. A stopper for a water bottle or other device having an internally screw threaded opening, comprising a body having a cooperatively externally screw threaded portion and provided outwardly of said portion with an annular recess, and an annular resiliently deformable washer seated in said recess, constructed and arranged upon insertion of said stopper to engage the outer end of such opening, and rotatable relative to said body to facilitate further insertion of said stopper and consequent deformation of said washer into enhanced sealing relation.

2,560,868
ELECTROMAGNETIC CLUTCH AND BRAKE
Louis Hubert, Paris, France, assignor to Societe d'Application des Brevets Cotal, Neuilly-sur-Seine, France, a corporation of France
Application April 11, 1945, Serial No. 587,791
In France October 19, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 19, 1963
7 Claims. (Cl. 192—84)

1. In an electromagnetic device having an air gap and adapted for energized and non-energized phases, in combination, two elements, one of said elements being movable with relation to the other element, a metallic annulus of hard metal embedded in one of said elements, and the other element having a treated surface thereon opposite said annulus to cooperate therewith, said

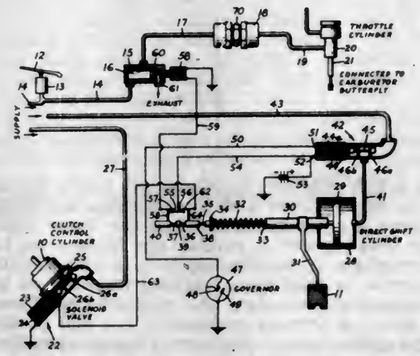


treated surface permitting constant contact between said annulus and surface during energized and non-energized phases of said device so that initial shock is eliminated by removing the air gap between said cooperating elements.

2,560,869
CHLORINATION OF SYNTHETIC RUBBER
Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application July 18, 1947, Serial No. 762,007
6 Claims. (Cl. 260—85.1)

1. The method of chlorinating a rubbery copolymer of styrene and 1,3-butadiene which comprises chlorinating the copolymer in a solvent selected from the group consisting of 1,2-dichloroethane, 1,1,2-trichloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2,-tetrachloroethane, chloroform, benzene and monochlorobenzene, in the presence of 1% to 3% of iodine to a chlorine content of at least 53% within 3 hours.

2,560,870
AUTOMATIC SHIFTING MECHANISM FOR HYDRAULIC-MECHANISM TRANSMISSIONS
Alvin F. Hulick, Macungie, Pa., assignor to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application October 9, 1947, Serial No. 778,809
3 Claims. (Cl. 74—472)

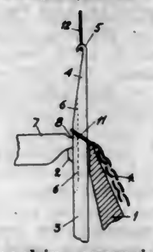


1. In a shifting mechanism for a vehicle having a throttle controlled engine and a hydraulic mechanical transmission shiftable into high and low speed operating ranges; the combination of a cylinder for controlling the throttle of the engine, an accelerator controlled valve for supplying fluid to and discharging it from said cylinder to regulate the speed of the engine, a venting valve interposed between said cylinder and said accelerator controlled valve, said venting valve being movable from a closed position to an open position to vent fluid from said throttle control cylinder to cause said cylinder to assume a condition corresponding to idling speed of said engine, a fluid regulating valve interposed between said throttle cylinder and said venting valve having a cooperating valve plug and valve seat, and passages therein for retarding flow of fluid from said venting valve to said throttle cylinder and allowing more rapid flow of fluid from said cylinder to said venting valve, means to shift said transmission selectively from one of said ranges into the other, a governor responsive to vehicle speed, means responsive to said governor at a predetermined vehicle speed to actuate said shifting means to shift said transmission from one range into the other range and to open said venting valve while said transmission is being shifted from one range to the other.

2,560,871
METHOD OF MIXING CEMENT COMPOSITION
George H. Johnson and Roland C. Higgins, New Orleans, La., assignors, by mesne assignments, to Higgins, Inc., New Orleans, La., a corporation of Louisiana
No Drawing. Application April 28, 1948, Serial No. 23,876
6 Claims. (Cl. 106—87)

1. The method of making a cementitious product which comprises mixing violently materials in the proportion of 40 gallons of water, one gallon of aqueous bituminous emulsion containing about 55 per cent asphaltic material and 752 pounds of Portland cement; thereafter adding a relatively small and exhaustible amount of aluminum flakes and continuing the violent mixing for about 30 seconds and thereafter adding a small but inexhaustible amount of sodium hydroxide and mixing violently until the point of incipient gelation has been reached, thereupon pouring the mixture into a form and allowing it to set.

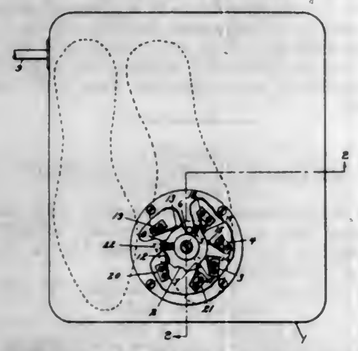
2,560,872
KNITTING MACHINE
José Jutglar Parés and Salvador Sindreu Daroca, Barcelona, Spain
Application October 1, 1946, Serial No. 700,564
In Spain December 7, 1945
2 Claims. (Cl. 66—104)



1. A knitting machine comprising a reciprocating grooved needle having a shank with an inclined plane terminating in a hook, the open end of said hook being in alignment with the bottom surface of the groove in said needle, in combina-

tion with a hook-shaped sinker independent of said needle having a reciprocating movement of smaller amplitude than the movement of said needle, the hook of said sinker extending into the groove of said needle in order to engage a mesh formed on the needle and withdraw it therefrom to permit the formation of a new mesh by said needle and then release said first mesh and allow it to be cast off and said needle and said hook sinker are arranged substantially at right angles to one another.

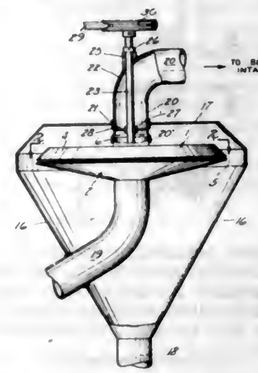
2,560,873
FOOT-OPERATED SWITCH
Harold M. Keckley, Dayton, Ohio, assignor, by direct and mesne assignments, to Wm. O. Ballard, Toledo, Ohio
Application March 5, 1946, Serial No. 652,174
2 Claims. (Cl. 200—86)



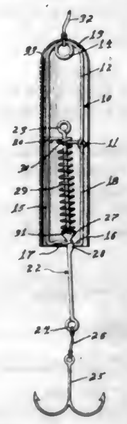
1. In foot control means for selectively operating a bank of electric switches, a portable platform for disposition in a substantially horizontal plane and being of at least sufficient size to support both feet of an operator, a rotatable selective control mechanism for coacting with said switches inset within the platform and adapted to be rotated in a horizontal plane, and means adapted to urge such mechanism to neutral position, an upwardly extending axial portion of said rotatable mechanism projecting only slightly through the upper surface of said platform and adapted to be frictionally engaged terminally thereof for rotation by a portion of the undersurface of either foot of the operator while resting primarily on said platform to control a switch selection, said platform providing adjacent space to support the other foot of the operator in the same plane.

2,560,874
CENTRIFUGAL AIR CLEANER
Frank Kelso, Fort William, Ontario, Canada
Application April 6, 1950, Serial No. 154,211
4 Claims. (Cl. 183—77)

1. In a device of the class described, upper and lower wall-forming elements defining an expansion chamber, said elements having aligned central inlet and outlet openings one in each thereof, said wall-forming elements converging toward their peripheral edges, said peripheral edges being spaced apart to provide a restricted peripheral dust passage, an imperforate baffle plate within said chamber, said baffle plate being in substantially the same plane as the restricted dust passage and dividing said chamber into inlet and outlet compartments, said baffle plate terminating radially inwardly of said restricted dust passage whereby to provide an annular gas passage between said inlet and outlet compartments, a plurality of circumferentially-spaced radially-projecting imperforate vanes in each of said compartments, an annular generally conical baffle plate in the outlet compartment, said last-mentioned baffle plate being secured at its inner portion to said first-mentioned baffle plate and terminating at its peripheral edge intermediate said first-mentioned baffle plate and the adjacent wall-forming element, the outer diameter of said last-mentioned baffle plate being less than the diameter of said first-mentioned baffle plate, and means for simultaneously rotating said wall-forming elements said baffle plates and said vanes as a unit about the axis of said inlet and outlet openings.



2,560,875
FISH CATCHER
Charles W. Knott, Santa Barbara, Calif.
Application July 8, 1949, Serial No. 103,699
1 Claim. (Cl. 43—15)

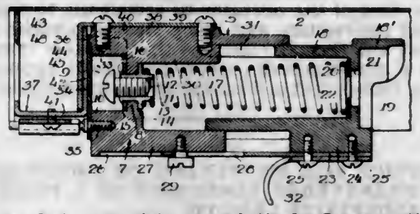


In a fish catcher, an elongated frame having spaced upper, lower and intermediate transverse portions, a guide eye formed on the lower transverse portion, and a similar eye formed on the intermediate transverse portion, a rod slidably supported in said eyes, a spring disposed in the frame and surrounding the rod, a circumferential shoulder formed on the rod, one end portion of the spring being attached to the intermediate transverse portion and the other end portion of the spring being attached to the circumferential shoulder of the rod, and a stop shoulder extending radially from the rod at one side thereof below said circumferential shoulder, said stop shoulder being adapted to slide through the lower guide eye and adapted to engage said eye upon sideways movement of the rod, said upper portion constituting means for connecting the fish catcher to a line.

2,560,876
METHOD FOR PURIFYING ROSIN
William G. Knox and George L. Deniston, Dayton, Ohio, assignors, by mesne assignments, to Howard M. Hempstead and Louise M. Hempstead, both of Mobile, Ala.
No Drawing. Application July 5, 1949, Serial No. 103,174
14 Claims. (Cl. 260—111)

1. The method of removing color bodies from solutions of low grade rosin which comprises, mixing a solution of rosin in a water immiscible primary solvent with a secondary water miscible solvent having solvent power for the color bodies to form a homogeneous solution, segregating a primary solvent rich phase and a secondary solvent rich phase, springing said secondary solvent from each phase by addition of water thereto, segregating a pale rosin solution, a dark rosin solution and a springing agent-secondary solvent solution, and recovering the solvents and springing agent for reuse in the system.

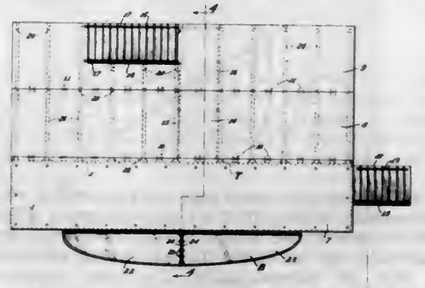
2,560,877
TELESCOPING SOCKET FOR FLUORESCENT LIGHT TUBES
George B. Kurtzon, Chicago, Ill., assignor to Garden City Plating & Manufacturing Co., a corporation of Illinois
Application January 3, 1947, Serial No. 719,972
1 Claim. (Cl. 173—328)



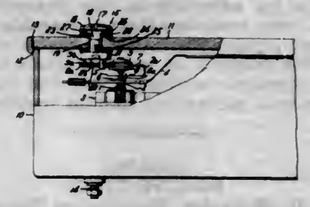
A socket comprising a relatively fixed section and a section slidable therein, a plate connected at one end to said slidable section, an elongated slot in said plate adjacent its opposite end, a screw extending through said slot into said fixed section to limit the sliding movement of said slidable section, a finger piece secured to said slidable section to move it inwardly relative to said fixed section, a projection extending longitudinally of, and integral with said fixed section, said slidable section having a recess engaging said projection to maintain said sections in axial alignment at all times, and a spring operable to move said slidable section outwardly to the limit of its travel automatically upon release of pressure applied against said finger piece.

2,560,878
PORTABLE STAGE
Claude W. Kyle and Thomas E. Holland, Nokomis, Fla.
Application July 6, 1950, Serial No. 172,262
2 Claims. (Cl. 20—1.123)

1. Portable stage comprising a trailer having a substantially rectangular roofed body including a floor, the rear end and one side of said body having respectively a rear doorway and a side doorway, both at the level of the body floor, the other side having an elevated doorway, a sectional stage floor unitary with said body comprising a plurality of rectangular sections, one section being fixed to said body in a horizontal plane overlying the roof and projecting slightly beyond that side having the floor level doorway, the other sections being hingedly connected serially in side by side relation respectively to the projecting side edge of said fixed section and to one another whereby they may be extended horizontally in the plane of the fixed section or folded parallel to the adjacent side of said body in occlusive relation to the doorway in said adjacent side, the terminal section of said stage floor having a cutout portion forming a stair well, a cat walk demountably secured to said adjacent side at the doorway in said side, a demountable staircase extending from the remote end of said catwalk to said stair well when said stage floor is extended, and a demountable staircase from the ground to said rear doorway, said staircases, the floor of said body, said catwalk, and said stair well forming an access passage to said stage floor, an orchestra balcony demountably secured to the outside of that side of said body which has the elevated doorway, at the level of said doorway, said balcony having a closed side wall substantially concealing said elevated doorway, whereby the passing of actors through said access passage beyond said rear doorway is concealed from an audience facing the side of said trailer having the orchestra balcony.



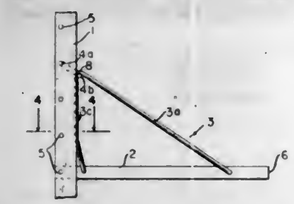
2,560,879
ZERO CORRECTOR FOR ELECTRICAL INSTRUMENTS IN HERMETICALLY SEALED CASINGS
Francis X. Lamb, East Orange, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application May 6, 1947, Serial No. 746,397
8 Claims. (Cl. 171—95)



6. A zero corrector for an electrical instrument hermetically sealed within a casing which includes a cover overlying the axis of the moving system of the instrument, said cover having

an opening therethrough displaced from said axis; said zero corrector comprising a headed stud having a shank extending through said opening, the inner surface of the shank head being closely adjacent the outer surface of said cover, and solder bonding and sealing said inner surface of the stud head to the casing cover.

2,560,880
SUSPENSION FRAME FOR SHELVES
Oskar Harald Lundqvist, Stockholm, Sweden
Application April 13, 1948, Serial No. 20,775
In Sweden May 12, 1947
5 Claims. (Cl. 211—147)



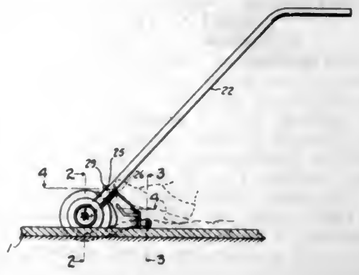
4. In a suspension frame for supporting shelves adjustably in height, the combination of a pair of spaced elongated frame members having longitudinally spaced holes therein facing each other, a pair of substantially U-shaped suspension members, one arm of each of said members engageable with a selected one of said spaced holes, and a pair of support wires each bent to form two shanks defining an acute angle therebetween, one end of each wire secured to a shelf near the edge thereof adjacent to the said frame members and the other end of each wire secured near the other edge of the shelf, each of said wires resting with its apex portion upon the second arm of a respective one of said suspension members, each of said wires bent to have one of its shanks disposed substantially parallel to the respective frame members when secured to a shelf and suspended on the frame members, each of said frame members having in its side facing a supported shelf a longitudinal groove positioned to receive said parallel wire shank for securing the respective wire in its suspended position.

2,560,881
QUICK-DRYING WRITING INKS
Raymond L. Mayhew, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 29, 1948, Serial No. 30,209
11 Claims. (Cl. 106—20)

1. A quick-drying writing ink comprising in solution a copper phthalocyanine of the benzene series having attached to the phenylene nuclei at least one hydroxyalkylsulfonamide group, a hydroscopic polyhydric alcohol, water and caustic alkali, the content of caustic alkali in the ink being equivalent to from about one-half to two and one-half percent of sodium hydroxide.

2,560,882
EDGING TOOL
Myron D. McCauley, Huntington Woods, Mich.
Application April 16, 1947, Serial No. 741,909
3 Claims. (Cl. 97—227)

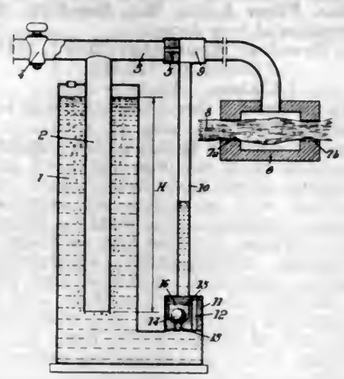
2. A tool for edging a lawn or the like at the intersection between the lawn and a structure, such as a walk, comprising, a body fashioned from sheet metal, said body having a generally upright wall at one side thereof extending longitudinally of said body and having a handle rigidly connected thereto, a roller arranged to engage and operate on the walk, means journalling said roller forwardly of said body, said body having an upwardly and rearwardly inclined bottom wall disposed between said upright wall and said roller, a guide disc and a cutting disc mounted on the axis of the roller and spaced apart to correspond with the width of said bottom wall, said cutting disc being spaced axially from said roller



and adapted to cut into the earth along a line spaced from the roller as the tool is progressed along said intersection, said upright wall having a laterally extending rear portion fashioned to overlie the walk, a second roller journaled on said laterally extending rear portion, and a rearwardly and downwardly inclined member fixed on said upright wall and constituting a foot pad, said foot pad being arranged to be engaged by the foot of the operator to propel the tool along said intersection and being located between said first and second rollers so that the tool remains in a stable position when pressure is applied to the foot pad at a downwardly inclined angle.

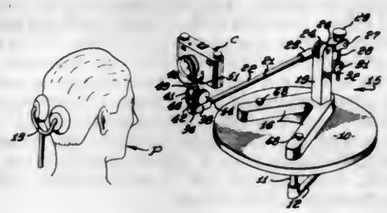
2,560,883
DEVICE FOR MEASURING OR CHECKING A TRANSVERSE DIMENSION IN A PIECE OF INDEFINITE LENGTH
Marcel Mennesson, Neuilly-sur-Seine, France, assignor to Societe d'Applications et de Constructions pour Materiel Automobile (S. A. C. M. A.) S. A. R. L., Neuilly-sur-Seine, France, a society of France
Application May 13, 1949, Serial No. 93,174
In France June 26, 1948
4 Claims. (Cl. 73—37.5)

1. A device for measuring or checking a transverse dimension of a piece of indefinite length which comprises, in combination, a pneumatic measurement apparatus including a closed chamber having an inlet and at least one outlet aperture, said outlet aperture being shaped and dimensioned to correspond with a predetermined play to said dimension of said piece so as to permit the continuous passage of said piece through said outlet aperture, means for feeding a gas under pressure to the inlet of said chamber, including a calibrated orifice, liquid tank means arranged to cooperate with said gas feeding means for keeping at a constant value the pressure of said gas on the upstream side of said calibrated orifice, a liquid column pressure gauge for measuring the pressure of said gas on the downstream side of said orifice, and a part provided with a passage of restricted section interposed between the bottom of said pressure gauge and said tank means below the liquid level therein so as to slow down the displacements of said



liquid column in communication with said tank means through said passage, said part being further provided with a second passage extending therethrough, and a check valve in said second mentioned passage.

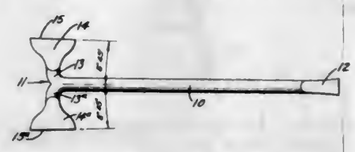
2,560,884
CAMERA STAND FOR MEDICAL PHOTOGRAPHY
Samuel M. Nagourney, Los Angeles, Calif.
Application March 8, 1948, Serial No. 13,614
7 Claims. (Cl. 248—124)



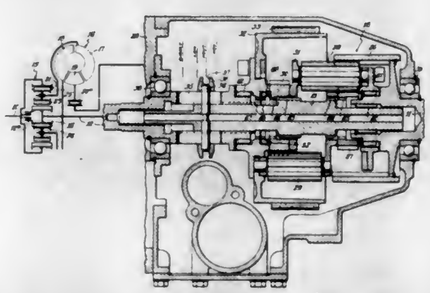
1. In a camera supporting stand of the type including a laterally extended supporting arm at the end of which are positioned means to support a camera for limited universal movement, a base adapted to rest upon a supporting surface, a post extended vertically from said base and pivotally supporting said arm intermediate the ends of the latter, spaced trunnions upon said arm and post, and a draw bolt extended between said trunnions in threaded relationship with at least one of them and adapted upon being rotated to draw said trunnions toward each other, or to move them from each other, to effect the pivotal movement of said arm.

2,560,885
PRY TOOL FOR REMOVING TIRE CASINGS FROM RIMS
Joseph F. Neville, Woodruff, Utah
Application September 8, 1948, Serial No. 48,170
1 Claim. (Cl. 157—1.3)

A tire tool for removing a tire casing from a wheel rim comprising an elongated handle having at its front end a pair of hatchet-shaped blades projecting in diametrically opposite directions, said blade being of substantially triangular shape with their opposite faces converging to their outer edges which extend in the direction of the length of the handle, whereby when one of said blades is inserted between a casing bead and a flange on a wheel rim and the handle is swung laterally said one blade will move the bead laterally and the other blade will press the side wall of the casing laterally for the purpose set forth, the central longitudinal planes of said blades extending at an angle of approximately 15° to the longitudinal axis of the handle, said central planes of the two blades extending in rearward directions on the same side of the handle, and the edges of the two blades converging rearwardly at an angle of approximately 8° to the longitudinal axis of the handle.



2,560,886
TRANSMISSION
Palmer Orr, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 22, 1947, Serial No. 793,097
7 Claims. (Cl. 74—789)



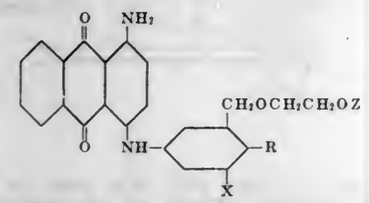
1. In a transmission, the combination of a drive shaft, a driven shaft, a gear set of the planetary type, means for completing a reverse drive, a low speed forward drive and a direct drive through said gear set and between said shafts and including three positive type clutches, said gear set comprising two sun gears and a planet gear carrier each carrying one of the meshable elements of the three positive clutches, and a shaft non-rotatable with respect to one of said shafts and slidable longitudinally with respect thereto, said slidable shaft having a clutch portion meshable with each of the clutch elements on said sun gears for providing said low forward and said reverse drives and meshable with one of these clutch elements and also with the clutch element on said carrier at the same time for providing said direct drive.

2,560,887
ANTHRAQUINONE DYESTUFFS FOR ACETATE RAYON

David I. Randall, Easton, Pa., and Edgar E. Renfrew, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 10, 1949, Serial No. 132,394
6 Claims. (Cl. 260—380)

1. New acetate rayon dyestuffs of the general formula:

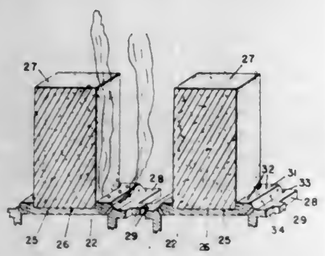


wherein R is selected from the group consisting of hydrogen and methyl, Z is selected from the group consisting of hydrogen and hydroxy alkyl and X is selected from the group consisting of hydrogen and $CH_2OCH_2CH_2OZ$.

2,560,888
GAS BURNER WITH AIR AND FLAME BAFFLES

Robert D. Reed, Tulsa, Okla., assignor to John S. Zink, Tulsa, Okla.

Application November 8, 1946, Serial No. 708,769
2 Claims. (Cl. 158—113)



1. In a gas burner unit, means providing a plenum chamber for an air gas mixture, said means including a horizontally disposed solid plate having an under surface closing the top of said chamber and having an upper surface defining the top of the burner, said plate having a recess in the upper surface for receiving a refractory body shaped in horizontal cross section to fit into and be positioned by said recess, said plate having a series of substantially vertical ports extending therethrough from the plenum chamber and arranged around the perimeter of said recess, said plate having another series of ports therethrough extending upwardly and outwardly from the plenum chamber and arranged around the perimeter of said recess and around and outwardly of said first series of ports, and a horizontally disposed rim projecting outwardly from said means around the perimeter thereof below said second series of ports.

2,560,889
RECOVERY OF STREPTOMYCIN FROM ORANGE II SALT

Peter P. Regna, Woodcliff, N. J., and Isaiah A. Solomons, III, Jackson Heights, N. Y., assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y., a corporation of New Jersey

No Drawing. Application May 7, 1947, Serial No. 746,633
7 Claims. (Cl. 260—210)

1. In a process for the purification and recovery of streptomycin, the steps of mixing a crude streptomycin-Orange II salt with a solvent of the group consisting of acetone, methanol, propanol and ethylene glycol monomethyl ether, reacting said mixture with an amine salt selected from the group consisting of the sulfates, phosphates, oxalates, citrates, mucates and tartrates of dimethylaniline, diethylaniline, ethylamine, triethylamine, quinoline, pyridine and ethanolamine, whereby the corresponding acid salt of streptomycin is precipitated, and separating said insoluble salt of streptomycin from the resulting solution of the corresponding amine salt of Orange II.

2,560,890
RECOVERY OF STREPTOMYCIN FROM NAPHTHOL BLUE-BLACK SALT

Peter P. Regna, Woodcliff, N. J., and Isaiah A. Solomons, III, Jackson Heights, N. Y., assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y., a corporation of New Jersey

No Drawing. Application May 17, 1947, Serial No. 748,848
7 Claims. (Cl. 260—210)

1. In a process for the purification and recovery of streptomycin, the steps of mixing a crude streptomycin-Naphthol Blue-Black salt with a solvent of the group consisting of acetone, methanol, propanol and ethylene glycol monomethyl ether, reacting said mixture with an amine salt selected from the group consisting of the sulfates, phosphates, oxalates, citrates, mucates and tartrates of dimethylaniline, diethylaniline, ethylamine, triethylamine, quinoline, pyridine and ethanolamine, whereby the corresponding acid salt of streptomycin is precipitated, and separating said insoluble salt of streptomycin from the resulting solution of the corresponding amine salt of Naphthol Blue-Black.

2,560,891
AMINE SALT PRECIPITANTS FOR ANTIBIOTIC BASES

Peter P. Regna, West New York, N. J., and Isaiah A. Solomons, Garden City, N. Y., assignors to Chas. Pfizer & Co., Inc., Brooklyn, N. Y., a corporation of New Jersey

No Drawing. Application December 16, 1948, Serial No. 65,734
11 Claims. (Cl. 260—210)

1. In a process for the purification and recovery of an alkaline-reacting, nitrogen-basic, antibiotic elaboration product of a microorganism, the step of subjecting a crude solution of a salt of such antibiotic elaboration product in a lower aliphatic alcohol having from 1 to 4 carbon atoms to metathesis by adding to such solution a soluble amine salt selected from the group consisting of the sulfates, phosphates, citrates, oxalates, tartrates, succinates, adipates, glutarates, maleates, fumarates and mucates, whereby a corresponding salt of said elaboration product is selectively precipitated from the solution.

2,560,892
PROCESS FOR THE MANUFACTURE OF C-NITROSOARYLAMINES

Stiles M. Roberts, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 22, 1949, Serial No. 134,594
8 Claims. (Cl. 260—576)

1. The process of producing a C-nitroso diarylamine which comprises reacting an alkali metal nitrite in an aliphatic alcohol medium with an unsubstituted diarylamine in the presence of a chlorine containing compound selected from the class consisting of phosphorus trichloride and phosphorus oxychloride at a temperature not exceeding 30° C. while utilizing said chlorine containing compound to react with the water present to generate hydrogen chloride and maintain the reaction mixture in a substantially anhydrous condition.

2,560,893
PROCESS FOR THE MANUFACTURE OF C-NITROSOARYLAMINES

Stiles M. Roberts, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 22, 1949, Serial No. 134,595
7 Claims. (Cl. 260—576)

1. The process of producing a C-nitroso diarylamine which comprises reacting an alkali metal nitrite in an aliphatic alcohol medium with an unsubstituted diarylamine in the presence of a sulfur chloride selected from the group consisting of sulfur dichloride and sulfur tetrachloride at a temperature not exceeding 30° C. while utilizing said sulfur chloride to react with the water present to generate hydrogen chloride and maintain the reaction mixture in a substantially anhydrous condition.

2,560,894
PROCESS FOR THE MANUFACTURE OF C-NITROSOARYLAMINES

Stiles M. Roberts, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 22, 1949, Serial No. 134,596
7 Claims. (Cl. 260—576)

1. The process of producing a C-nitroso diarylamine which comprises reacting an alkali metal nitrite in an aliphatic alcohol medium with an unsubstituted diarylamine in the presence of silicon tetrachloride at a temperature not exceeding 30° C. while utilizing said silicon tetrachloride to react with the water present to generate hydrogen chloride and maintain the reaction mixture in a substantially anhydrous condition.

2,560,895
QUICK-CHANGE WHISTLE COMBINATION

Louis Roth, Baltimore, Md.

Application November 19, 1947, Serial No. 786,912
1 Claim. (Cl. 46—180)

In a whistle or the like, the combination of an outer member having an opening therethrough, an inner member having an opening therethrough and having an insert-end slightly smaller in cross-section than the cross-section of the first said opening and being normally disposed therein, and a resilient and resonant strip having its middle part normally tensioned across said insert-end and opening of said inner member and disposed therewith in said opening of the outer member and having opposite portions inherently expanded against and between said inner and outer members with pressure sufficient to removably and adjustably secure all three elements of the whistle together in cooperative relation, said inner member and resili-

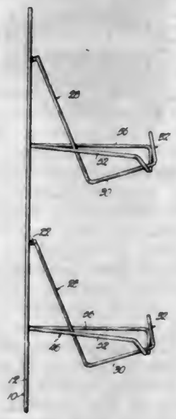


ent strip having manipulative end-portions normally protruding from said outer member and adjoining one another in cooperative relation for being mutually grasped by a hand of a user for effecting adjustments thereof, said manipulative end portions of the resilient strip being in convenient positions to be grasped and pulled to vary tension of said middle part and thereby vary pitch of the tones of the whistle.

2,560,896
DISPLAY RACK POCKET

Harry J. Rubenstein, Kansas City, Mo.

Application October 10, 1949, Serial No. 120,475
4 Claims. (Cl. 211—106)



2. A display rack comprising a J-shaped tray having inclined back, front and bottom portions; a vertical standard, the upper end of the back portion of the tray being secured to said standard; a tray support including a number of substantially horizontal arms disposed to present sides for the tray; means securing said arms to the standard; and means securing the arms to said bottom portion of the tray.

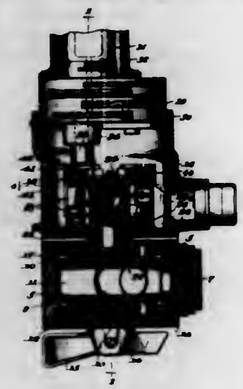
2,560,897
VALVE OPERATING MEANS

Leland H. Schmohl, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio

Application December 11, 1944, Serial No. 567,684
6 Claims. (Cl. 318—467)

3. In a unit of the character described, an elongated generally cylindriform housing structure having a rotor chamber in one end thereof, said housing also having a drive chamber in the

other end thereof and isolated by a cross wall from said rotor chamber, a rotor rotatably mounted in the rotor chamber and selectively presentable to a multiple of positions and a driven shaft extending from the rotor through said cross wall into said drive chamber, and means including a motor and reduction gear unit mounted on and forming a closure for said other end of said housing with the motor axis paralleling the axis of the housing structure and with all parts of the motor and reduction gear unit disposed within the peripheral limits of said housing structure, drive devices in said drive chamber for driving said rotor, and including a motor shaft, reduction gearing in said gear unit and having a drive shaft extending from said gear unit into said drive chamber, a disk mounted on the driven shaft and including a shelf portion equipped with a central circular clearance and a plurality of equidistantly spaced grooves communicating with and extending radially outwardly from said



clearance, said shelf portion being provided intermediately of each adjacent pair of radial grooves with an upstanding segment having an inwardly presented arcuate lock face, said shafts being cooperatively arranged so that lines extended along their axes bear generally parallel spaced relation, with the line extended from the drive shaft axis being disposed inwardly of the periphery of the disk, and a crank on said drive shaft having a roller extending therefrom toward the disk in spaced relation to the crank axis and in position for moving through a portion of said clearance into one of the grooves, then outwardly and then inwardly in said one groove while imparting an indexing movement to the disk, and then back into said clearance during one rotation of the drive shaft, said crank having an arcuate lock portion engageable with the successively presented lock faces intermediately of effective indexing engagements of the roller in the grooves for locking the disk against movement intermediately of the indexing movements imparted thereto.

2,560,898

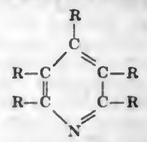
FUEL COMPOSITION

Walter A. Schulze and John E. Mahan, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application July 24, 1950, Serial No. 175,650

13 Claims. (Cl. 44—63)

1. An improved fuel composition having gasoline characteristics which consists essentially of isoparaffinic hydrocarbons having between 5 and 9 carbon atoms per molecule; and from 1 to 20 volume per cent of at least one substituted pyridine having the structural formula



wherein R is a radical selected from the group consisting of hydrogen and methyl radicals and at least two of said radicals are methyl radicals.

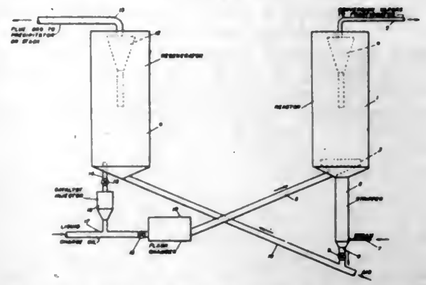
2,560,899

PROCESS AND APPARATUS FOR THE CATALYTIC CONVERSION OF HYDROCARBONS

Edwin William Shand, Homewood, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application April 30, 1947, Serial No. 745,049

4 Claims. (Cl. 196—52)



1. In the fluid catalyst process for the conversion of hydrocarbons wherein a hydrocarbon charge oil is passed upwardly in vapor phase through a dense phase fluidized body of catalyst with a superimposed dispersed phase in a reaction zone from which catalyst is continuously withdrawn, the withdrawn catalyst regenerated and returned to the reaction zone in suspension in charge oil vapors, the steps of mixing the regenerated catalyst with the hydrocarbon charge oil in liquid state and under superatmospheric pressure, suddenly reducing the pressure on the mixture whereby the hydrocarbon oil is flashed into vapors and passing the resultant vapors with the catalyst suspended therein to the reaction zone.

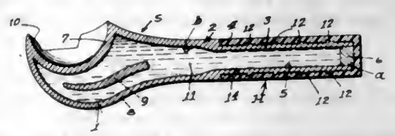
2,560,900

LADLING DEVICE

Rex M. Shultz, Ventura, Calif.

Application October 27, 1947, Serial No. 782,374

1 Claim. (Cl. 107—48)



A ladling device comprising, in a single unit, a head portion, a neck portion extending therefrom and a handle portion forming an integral continuation of the neck portion, the neck portion and handle portion being tubular and the head portion being hollow and in communication with the tubular neck portion, said handle portion being of circular external cross section and of a diameter materially less than the outside

diameter of the neck portion whereby there is formed a shoulder at the line of joinder between the neck portion and the handle portion, the outer end of the handle portion being initially open to facilitate the introduction of a low freezing point fluid with which the portions are filled, a plug closing the open outer end of the handle portion, a hand grip in the form of a tubular sheath closed at one end having the said handle portion extended thereinto from the other end thereof whereby the said closed end of the sheath completely covers the outer end of the handle portion and the plug therein and the said other end of the sheath abuts said shoulder, the overall diameter of the sheath being approximately the same as the outside diameter of the neck portion, the said shoulder being undercut, and pointed spur members forming an integral part of the said handle portion and directed toward said shoulder for maintaining the said other end of the sheath in firm engagement against the undercut surface of the shoulder whereby a tight joint is established between the sheath and the shoulder face to provide a smooth continuous outer surface between the outer face of the hand grip and neck portion.

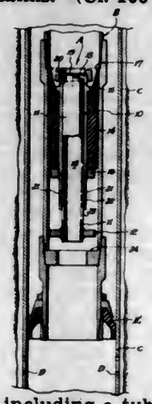
2,560,901

CEMENTING PLUG

Frank D. Smith, Whittier, Calif., assignor to International Cementers, Inc., Long Beach, Calif., a corporation of Delaware

Application August 18, 1945, Serial No. 611,354

8 Claims. (Cl. 166—1)



1. A well plug including a tubular body having a passage therethrough, a packing surrounding said body and movable therewith, said packing being adapted for slidable sealing engagement with a well conduit, breakable means secured to said body across its passage to close the same, whereby the packing, the body and the breakable means are subjectable to the pressure of fluid in the well conduit thereabove, a member telescoped within said body below said breakable means and having means at its upper end for disrupting said breakable means, said member being adapted to be held stationary to provide for relative movement between said body and member.

2,560,902

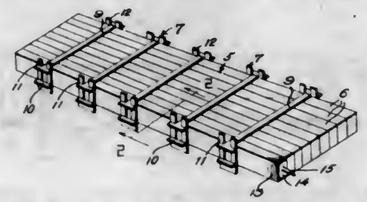
FLUID PRESSURE ACTUATED MULTIPLE ARM PRESSURE CLAMP

Samuel R. Smith, Portland, Oreg.

Application September 5, 1946, Serial No. 694,920

1 Claim. (Cl. 144—289)

A clamp comprising a plurality of separable clamping frames, each frame comprising upper and lower strap members having a crosshead at each end thereof and a pair of retaining members engaging end portions of the strap members and each bearing against the crossheads disposed at corresponding ends of the strap members, said retaining members each being substantially U-shaped and defining a slot opening outwardly of an end of the retaining member and accommodating portions of the two strap members, said clamping frames being adapted to receive a plurality of elements to be pressed together, an elongated channel member extending



transversely through the clamping frames and disposed between the retaining members at corresponding ends of the clamping frames and the element disposed adjacent thereto, said channel member having an open side facing toward the adjacent element, and an elongated inflatable tube disposed in the channel member and engaging against the element disposed adjacent thereto for clamping the elements between the tube, when inflated, and the retaining members of the clamping frames which are disposed remote from the channel member.

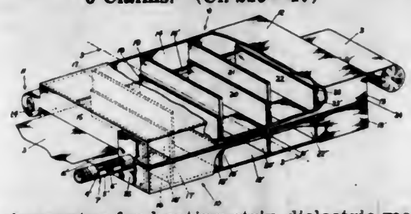
2,560,903

WAVE GUIDE DIELECTRIC HEATING APPARATUS

Karl J. Stiefel, deceased, late of Boston, Mass., by Hedwig G. Stiefel, executrix, Boston, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Continuation of application Serial No. 698,360, September 20, 1946. This application August 27, 1949, Serial No. 112,780

6 Claims. (Cl. 219—47)



1. Apparatus for heating strip dielectric material, comprising upper and lower half-waveguide structures, at least a portion of the adjacent surfaces of said structures being spaced from each other so as to lie parallel to each other, means for passing strip dielectric material through said space, and means for supplying high-frequency electromagnetic energy to said structures, each said structure including a plurality of spaced planar partition members therein, the planes of said members extending transversely to the direction of motion of said strip.

2,560,904

DIESEL FUEL

Roy Sugimoto, Royal Oak, Mich., assignor to Ethyl Corporation, New York, N. Y., a corporation of Delaware

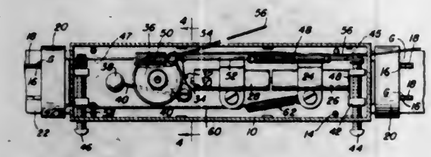
No Drawing. Application July 28, 1950, Serial No. 176,543

4 Claims. (Cl. 44—57)

1. An improved Diesel fuel containing a minor proportion of a gem-dinitrocycloalkane contain-

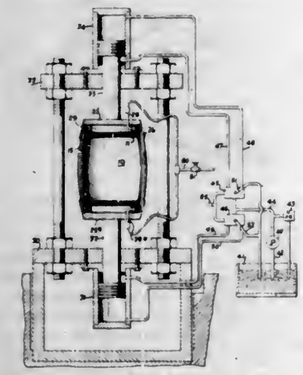
ing from 5 to 10 carbon atoms in an amount sufficient to decrease the ignition delay period of the fuel.

2,560,905
FISHING APPLIANCE
William R. Teel, Centrahoma, Okla., assignor of one-half to A. W. White, Colby, Kans.
Application November 17, 1948, Serial No. 60,492
6 Claims. (Cl. 43—17)



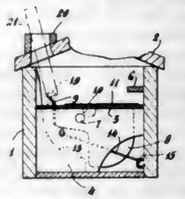
1. A fish appliance, comprising a casing, a group of batteries mounted in said casing, an electrically operated signal, a pivotal switch electrically connected to the signal and adapted to complete a circuit between said signal and said batteries, means normally urging said switch to a circuit-open position, and a flexible line for forcing said switch into circuit-closing position, said means normally urging said switch to circuit open position including a pair of spaced parallel fasteners adjustably carried by said casing, a pair of flexible members wound about said fasteners, and a resilient connection between said members.

2,560,906
APPARATUS FOR BONDING HEADS INTO BARRELS
Herbert E. Thyen, Jasper, Ind., assignor to Jasper Wood Crafters, Inc., Jasper, Ind., a corporation of Indiana
Original application October 31, 1947, Serial No. 783,243. Divided and this application February 1, 1949, Serial No. 73,939
3 Claims. (Cl. 147—6)



1. Apparatus for bonding a head into a barrel, which apparatus consists of, a body member having an annular peripheral flange projecting from one side of said body, a projection extending from said body centrally thereof on the same side as said flange, spaced therefrom, and projecting in the same direction as said flange and cooperating therewith to form an annular cavity in said body that is open at one side thereof, a flexible expansible bag carried on said body within said cavity and arranged around said projection in juxtaposition thereto and having the periphery of the bag in spaced relationship to said flange to maintain open a part of said cavity annularly between said bag and said flange, and means connected with said bag for introducing fluid under pressure thereinto.

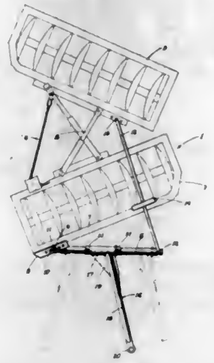
2,560,907
DISPENSER FOR CIGARETTES AND THE LIKE
Loren E. Thomas and Ladford Bell, Port Huron, Mich.
Application May 6, 1948, Serial No. 25,336
2 Claims. (Cl. 312—75)



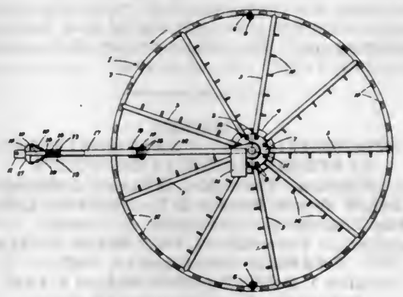
1. In a device of the character described, in combination, a casing having a removable top which is provided with a perforation in one of its corner portions and a movable member mounted in an open portion of one of the side walls of the casing, an intermediate wall which is lower than the side walls of said casing extending upwardly within the latter from its bottom beneath the perforation in its top, a pin laterally extending from said intermediate wall toward that wall of said casing which is closest to said intermediate wall, a P-shaped ejector plate between said intermediate wall and that wall of the casing which is closest to said intermediate wall being pivotable on said pin which is extended through its narrow foot portion beyond its center gravity, an inclined member extended from the upper edge of said intermediate wall towards the top of said casing, a fan-shaped agitator plate being pivoted to the higher portion of said inclined member and having a recess in its edge portion adjacent said ejector plate, a knob extending laterally from the long straight edge portion of said ejector plate and engaging the recess in said agitator plate, a blade extending laterally from the foot edge of said P-shaped ejector plate beyond its long straight edge, a downwardly diverging curved guide plate between said intermediate wall and that wall of the casing which is closest to said intermediate wall having its curved edge portion in juxtaposition to said blade, and a string having one of its extremities secured to the foot portion of said P-shaped ejector plate while its other extremity is secured to the movable member in one of the side walls of said casing and being extended through guiding means within said casing on a wall which is rightangularly disposed to said intermediate wall, said string being adapted for moving said ejector plate ninety degrees upon moving said movable member, thereby a cigarette resting horizontally upon an edge of said ejector plate being swung upright and toward said curved guide, so that it will be pushed along said guide through the perforation in the top of said casing when the ejector plate returns to its original position.

2,560,908
HITCH
Ernest S. Thompson, Tulare, Calif.
Application July 21, 1947, Serial No. 762,370
1 Claim. (Cl. 280—33.1)

In an offset disc harrow which includes a transversely extending tubular hitch bar detachably connected at its ends to the front of the harrow, a sleeve slidably mounted on the bar, a tongue fixed to the sleeve and projecting outwardly therefrom at an angle to the longitudinal axis of such sleeve, the sleeve being adapted to be detached from the bar and replaced thereon in a reversed position whereby the tongue may be selectively positioned to project angularly to the right or to the left of the harrow, means to hold the sleeve in any selected position along the length of the bar; the tongue being fixed to the sleeve at one end thereof and spaced from the other end, and a brace plate extending diagonally from the tongue to a point adjacent said other end of the sleeve.

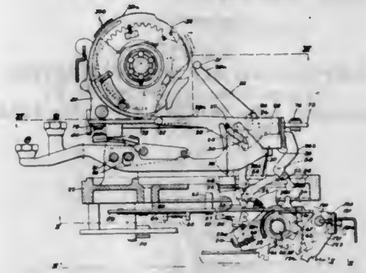


2,560,909
ROTARY CIRCULAR HARROW
Ernest S. Thompson, Strathmore, Calif., assignor to himself and Ethel Thompson as joint tenants with the right of survivorship
Application October 28, 1949, Serial No. 124,046
10 Claims. (Cl. 55—13)



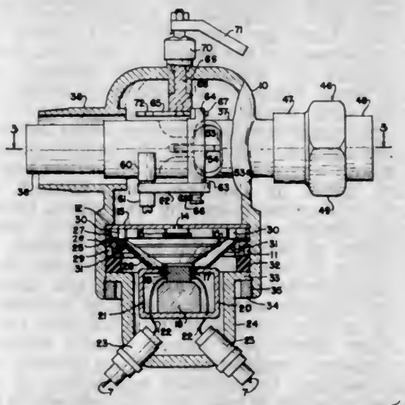
1. An implement comprising a substantially horizontal circular harrow adapted to rotate in a predetermined direction, an upstanding axis spindle and bearing assembly secured centrally on the harrow, and a longitudinal hitch unit fixed to said assembly and projecting forwardly for connection to a tractor in draft relation; and means incorporated in the hitch unit to cause a rotative torque in a certain direction to be imparted to the rear portion of said unit upon a draft pull being applied to the forward portion thereof by the tractor.

2,560,910
AUTOMATIC MULTIPLYING MACHINE
Sture Toorell and Erik Grip, Atvidaberg, Sweden, assignors to Aktiebolaget Facit, Atvidaberg, Sweden, a joint-stock company of Sweden
Application January 28, 1947, Serial No. 724,800
In Sweden February 6, 1946
6 Claims. (Cl. 235—79)



1. In a calculating machine for automatic multiplication, in combination, an ordinally shiftable actuator for the multiplicand, an ordinally shiftable storage device for the multiplier, a single ten-key-board, shifting means for said actuator and said storage device under the control of said key-board, said actuator and said storage device being normally operatively ordinally aligned with and connected to said key-board to be set thereby simultaneously and in parallel, means for clearing said actuator, and an operations key for initiating clearing of said actuator and ordinal step shifting of said storage device into a half-step position to render keyboard operation ineffective as respects said storage device while retaining effective connection to said actuator to permit entry of a multiplicand into the cleared actuator.

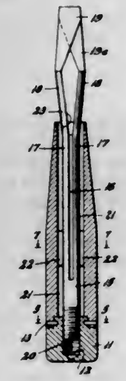
2,560,911
ACOUSTICAL WELL SOUNDER
Alexander Wolf, Houston, Tex., assignor to Keystone Development Corporation, Houston, Tex., a corporation of Texas
Application July 24, 1947, Serial No. 763,217
3 Claims. (Cl. 177—352)



1. An acoustical well sounding device, comprising, a hollow casing closed at its ends, a partition member extending transversely of said casing intermediate the ends thereof, an axial orifice of restricted area through said partition member, means for establishing communication between the interior of said casing on one side

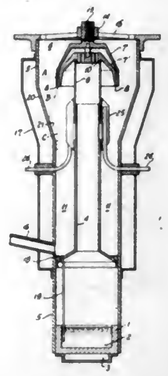
of said partition member and a well to be sounded, sound generating means mounted in said casing on said one side of said partition member, sound receiving means mounted in said casing on the opposite side of said partition member and spaced therefrom, and imperforate baffle means disposed between said orifice and said sound receiving means.

2,560,912
EXPANDING BIT SCREW DRIVER
George Aitto, New York, N. Y.
Application June 28, 1947, Serial No. 757,882
1 Claim. (Cl. 145—50)



A screw driver comprising a hollow barrel-shaped handle, one end of said handle having an annular recess therein coaxial with axis of the handle, a cap having a boss registering rotatably in said recess, said boss having a circumferential groove therein, said handle having opposed pins extending radially from the wall of said recess and registering in said groove, the other end of said handle being open, said open end having a mouth, a shank of greater length than the handle mounted in said handle, said cap having a threaded axial bore, said shank having one extremity threaded and registering in said cap bore, said shank having a split therethrough extending from the other extremity thereof to a point intermediate the length of the shank thereby dividing the shank into two sections, said shank being made of a resilient material and having said sections normally positioned in separated condition, said sections being deformed angularly and divergently at the neighborhood of said mouth whereby the deformed portions thereof are urged by said resiliency against said mouth, said sections having extensions thereon of equal length extending convergently toward each other at acute angles to said sections, the extremities of said extensions comprising mutually complementary wedge-shaped tips adapted to slide together and to be brought together to form a unitary substantially rectangular tip for the screw driver, said handle having diametrically opposed longitudinal internal grooves, said shank sections having ears registering in said grooves, rotation of said cap with respect to said handle in one direction causing said shank to be drawn into the barrel and thereby causing said shank sections and said extension tips to be brought together, rotation of said cap in the opposite direction permitting said resiliency to urge said shank sections and said extension tips to separate.

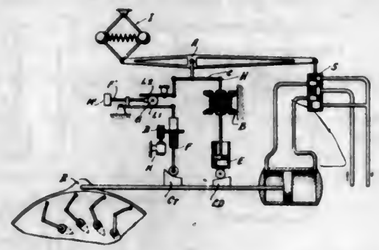
2,560,913
PROCESS OF PRODUCING VACUA
Paul Alexander, Berkhamsted, England
Application January 7, 1948, Serial No. 918
In Great Britain January 16, 1947
3 Claims. (Cl. 230—101)



1. A process of producing or maintaining vacua within a range of pressure of the order of 0.1 mm. to 10^{-4} or less in an enclosed space, which comprises boiling glycerine, continuously introducing the vapour thereof at a pressure of not less than 10 mm. of mercury through a jet into an enclosed pumping space which is connected through a mouth to the space to be evacuated at a point beyond the jet in one direction and which has an outlet opening at a point beyond the jet in another direction, maintaining a pressure in said pumping space adjacent to said outlet of the order of between 0.1 and 1.0 mm. of mercury by maintaining suction outwardly through said outlet opening, directing the vapour from said jet in a continuous stream in the general direction of said outlet against a surface, maintaining said surface at about room temperature to condense the vapour which strikes the same, continuously causing the removal of the condensed glycerine and its return to the body of glycerine which is being boiled, continuing the operation until water absorbed by the glycerine has been eliminated and thereafter continuing until the total pressure in the mouth is less than 5×10^{-4} mm. of mercury.

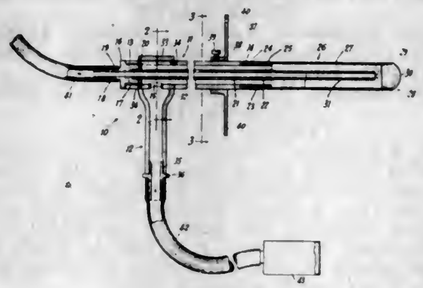
2,560,914
REGULATION OF AN ASSEMBLY OF ELECTRIC GENERATING UNITS
Paul Almeras, Grenoble, France, assignor to Ateliers Neyret-Beylier & Piccard-Pictet, Grenoble, France, a corporation of France
Application February 26, 1948, Serial No. 11,138
In France November 15, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires November 15, 1960
12 Claims. (Cl. 290—4)

9. A regulating system for a group of electric power units associated in parallel and supplying a variable load to an electric network, which comprises, for each unit of said group, a speed governor having means for shifting the speed droop characteristic of the unit and means for rocking the same about the current operational point, load distributing means connected in common to and acting on said shifting means, and speed droop controlling means acting on said rocking means, whereby the load may be distributed among said units of said group in accordance with a predetermined law and the speed droop characteristic of said group may be changed



without change of the distribution of the load among said units.

2,560,915
SUMP DRAIN
Alfred A. Bamberger, Flushing, N. Y.
Application April 5, 1947, Serial No. 739,711
8 Claims. (Cl. 128—350)

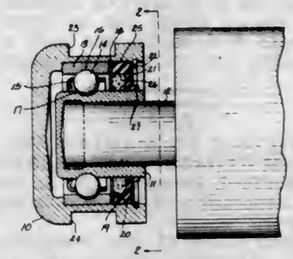


7. A surgical drain comprising an outer tube and an inner tube concentric therewith, means to fix said inner tube to said outer tube, means to connect one of said tubes to a source of vacuum, means to connect the other of said tubes with the atmosphere, a flexible fluid pervious tube attached to one end of the outer tube and extending therefrom, and a flexible tube attached to one end of said inner tube and disposed within said flexible fluid pervious tube and communicating therewith.

2,560,916
CEMENT FOR LAMINATING SHEETS OF PAPER OR LIKE MATERIALS
Philip S. Barnhart, West Springfield, and John C. Miller, Westfield, Mass., assignors to Westfield River Paper Company, Inc., Russell, Mass., a corporation of Massachusetts
No Drawing. Application September 8, 1945, Serial No. 615,248
2 Claims. (Cl. 260—27)

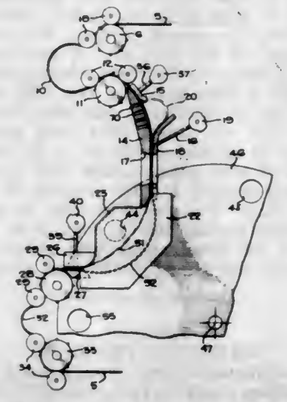
1. A laminating cement comprising polyisobutylene of a molecular weight in the range of between 75,000 and 200,000, a microcrystalline wax of a melting point of above 150° F., a resin compatible with microcrystalline wax selected from the group consisting of rosin, polymerized rosin, hydrogenated rosin and the ethylene glycol esters of rosin, and a plasticizer, in which the polyisobutylene is present in the amount of substantially 2%, the resin is present in the amount of substantially 23%, the plasticizer is present in the amount of substantially 3% and the remainder is microcrystalline wax.

2,560,917
LUBRICANT SEAL
Charles N. Bebinger, New Philadelphia, Ohio, assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application September 19, 1945, Serial No. 617,311
6 Claims. (Cl. 286—5)



2. A seal between concentric cylindrical surfaces, comprising a retainer washer substantially closing the annular space between said concentric surfaces, a pliable sealing ring, a coacting pliable sealing ring, said rings respectively having sealing contact with said concentric surfaces, and compression means for maintaining said sealing rings under compression comprising a pressure washer and a releasable lock having at one peripheral edge of said pressure washer interlocking engagement with one of said surfaces and said pressure washer having its other peripheral edge spaced from said other surface, and one of said sealing rings which sealingly contacts one surface having a flexible annular lip portion extending axially of its body inwardly of said spaced edge of said pressure washer and held compressed by said compression means radially inwardly tightly against the other surface in sealing contact therewith.

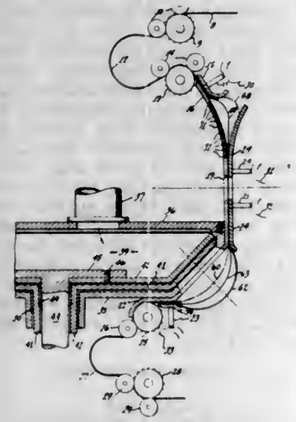
2,560,918
INTERMITTENT FILM ADVANCING MECHANISM UTILIZING AIR PRESSURE
Alda V. Bedford, Princeton, and Randall C. Ballard, Trenton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 22, 1949, Serial No. 82,866
4 Claims. (Cl. 88—18)



1. An intermittent film advancing mechanism comprising a first intermittent sprocket, a first film clamp adjacent said sprocket, a film gate, a second intermittent sprocket, a second film clamp adjacent said second sprocket, said clamps

being positioned between said sprockets and said gate being positioned between said clamps, said sprockets being rotatable simultaneously to form a film loop between said gate and said first clamp and to remove a film loop between said gate and said second clamp, an air source, and a valve to control the directing of air from said source against the film to form a loop between said gate and said second clamp and to remove a loop between said first clamp and said gate when said sprockets and clamps are stationary.

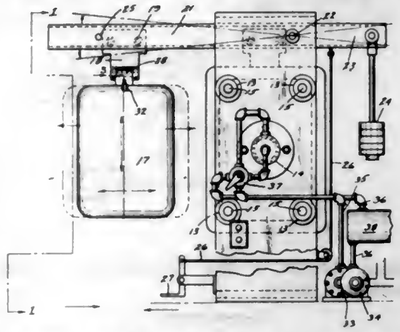
2,560,919
INTERMITTENT FILM ADVANCING MECHANISM UTILIZING AIR PRESSURE
Alda V. Bedford, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 22, 1949, Serial No. 82,867
6 Claims. (Cl. 88—18)



4. A mechanism for controlling the intermittent rapid movement of a portion of a film strip from one position to another position, comprising a pair of path sections having walls through which the film travels for entrapping air between said walls of said sections and portions of said film strip, a film gate positioned between said sections, an air source, means for controlling the entrance of air into one of said sections to move the portion of the film entrapping the air therein into a loop to move the film portion in said gate out of said gate, said film loop portion releasing said air when said loop portion has moved over a certain distance of its travel, said movement of said gate portion and loop portion of said strip moving a third portion of said strip into said other film path section to entrap air therein when moved over a portion of its travel, and means for determining the rate of escapement of said entrapped air in said other section.

2,560,920
GARMENT PRESSER
Meyers Martin Berger, Youngstown, Ohio
Application April 15, 1949, Serial No. 87,587
4 Claims. (Cl. 223—57)

1. A garment presser comprising a framework having a tiltable beam positioned in the upper portion thereof and extending outwardly therefrom, and an expansible form loosely suspended therefrom and movable therealong as by tilting the said beam, a pair of spaced presser plates in said framework and engageable with the said

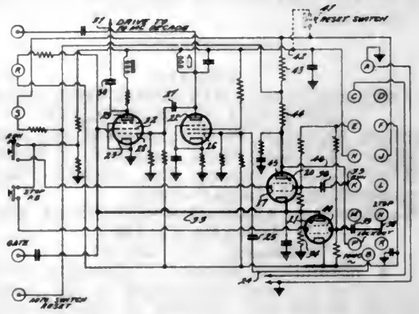


form when the same is moved therebetween whereby a garment on the form may be pressed.

2,560,921
SOLVENT EXTRACTION OF BUTANOLONES FROM WATER
Ernst Bergmann, London, England, assignor to Polymerisable Products Limited, London County, England, a British company
No Drawing. Application December 23, 1946, Serial No. 718,111
2 Claims. (Cl. 260—594)

1. A process of removing an alkyl butanolone having an OH group attached to the tertiary carbon atom which latter is attached to the CO group, from a steam-distillate containing same which comprises the selective extraction from such steam-distillate by butyl acetate, which is a good solvent for said butanolone and which acetate is not readily soluble in water.

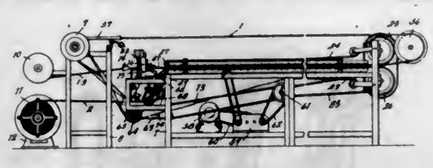
2,560,922
COUNTER CONTROL CIRCUITS
Warren H. Bliss and Igor E. Grosdoff, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application October 21, 1949, Serial No. 122,826
3 Claims. (Cl. 250—27)



1. In a circuit for controlling the supply of constant frequency oscillations to a counter, the combination of a normally open start channel, a normally blocked stop channel, means connected in said start channel and responsive to a start pulse applied to said start channel for applying a lockout voltage to said start channel, an interlock switch connected to said stop channel and responsive to said lockout voltage for opening said stop channel, and means connected between

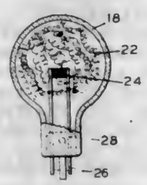
said stop channel and said switch for blocking said stop channel in response to the application of a stop pulse to said stop channel.

2,560,923
MACHINE FOR MANUFACTURING BINDING TAPES OR TIES
Barney Boersma and John Stanley Robinson, Grand Rapids, Mich., assignors to Sackner Products, Inc., a corporation of Michigan
Application May 2, 1949, Serial No. 90,792
19 Claims. (Cl. 154—1.6)



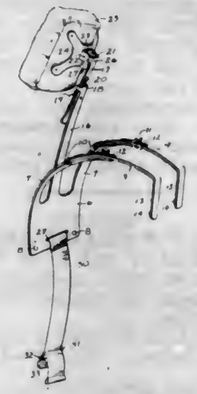
6. A machine for manufacturing binding tape comprising a metal strand element, and a padding element adhesively secured to the metal strand element comprising a pair of feeding and pressure belts having coacting parallel rearwardly traveling reaches, means for intermittently feeding a padding strip and severing it into sections and delivering the sections in longitudinally spaced relation to the said belts, said means including feed rollers and a padding cutter disposed at the rear of said feed rollers, means for actuating said cutter during a pause of the feed means, means for supporting and guiding a metal strand to said belts and into contact with the padding, means for applying adhesive to a surface of one of said elements prior to its being brought into contact with the other element, and means for actuating said feed means and padding cutter in timed relation so that the spaced padding sections are delivered to said belts and adhered to the metal strand with their ends in longitudinally spaced relation.

2,560,924
PHOTOFLASH LAMP
Frank G. Brockman, Dobbs Ferry, N. Y., assignor to Philips Laboratories, Inc., Irvington on Hudson, N. Y.
Application July 26, 1947, Serial No. 763,978
6 Claims. (Cl. 67—31)



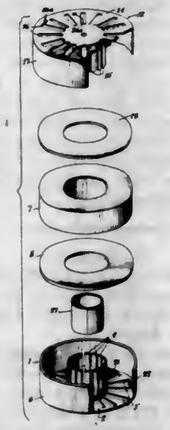
1. A photoflash lamp comprising an envelope having an actinic light transmitting portion and a filamentous material distributed within said envelope, said filamentous material comprising a plastic binding material and a major proportion of finely-divided actinically-reactive metallic particles dispersed in said plastic, said filamentous material having a diameter of less than about .006 inch, said particles having a particle size of less than about .002 inch.

2,560,925
ADJUSTABLE HEAD REST
Clayton W. Brown, Olive, Calif.
Application April 24, 1950, Serial No. 157,837
3 Claims. (Cl. 155—177)



1. In a head-rest for use with a vehicle seat, the combination of: a support bracket; hooks on said bracket for supporting said bracket upon the back of said seat; an arm integral with said bracket and extending upwardly therefrom; means for anchoring said bracket so as to hold said arm upright; an extension arm adjustably secured to said first arm to vary the degree of extension and reversible so as to be extensible in either vertical direction; a pivot mounting extending forwardly from one end of said extension arm; and a pad mounted on said pivot mounting.

2,560,926
TRANSFORMER
Harry Russell Brownell, New York, N. Y.
Application June 1, 1949, Serial No. 96,510
9 Claims. (Cl. 175—356)



2. In a device of the class described, the combination of a magnetizable metal member having an end portion with a depending skirt adjacent an outer margin thereof and depending core means spaced inwardly from said outer depending skirt comprising a plurality of depending tongues disposed apart from one another, said metal member being provided with cooling apertures in its end portion intermediate the depend-

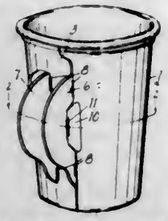
ing skirt and core means, an additional magnetizable metal member fitting at least partially within said first mentioned member having an end portion with an upstanding skirt adjacent an outer margin thereof and upstanding core means spaced inwardly from said outer upstanding skirt comprising a plurality of upstanding tongues disposed apart from one another, said additional metal member being provided with cooling apertures in its end portion intermediate the upstanding skirt and core means, primary and secondary coils intermediate said end portions within said outer skirts and arranged around said core means, and insulating means intermediate said coils and each of said end portions.

2,560,927

HANDLED CUP OR LIKE RECEPTACLE

Kenneth T. Buttery and Louis W. Sutherland, Jr., Kalamazoo, Mich., assignors to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan

Application April 16, 1947, Serial No. 741,855
6 Claims. (Cl. 229—4.5)



1. A receptacle comprising a side wall formed of a blank having a body portion terminating at one end in a sealing flap conformed at its end and slitted to provide oppositely disposed handle members, said handle members having hinge connections to the sealing flap, the sealing flap being lapped upon the outside of the other end of the body portion and adhesively secured thereto to permit the handle members being swung outwardly to erected position, the sealing flap and handle members being slit to provide struts hingedly connected at their outer ends to the handle members and lying normally in the plane of the handle members when they are collapsed with the inner ends of the struts extending beyond said hinge connections on the side thereof opposite from the handle members, the struts being deflectable outwardly to a bracing position in which the struts engage the sides of the receptacle for maintaining the handle members in erected position.

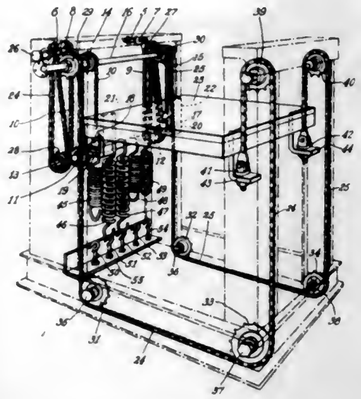
2,560,928

ARTICLE STORING AND DISPENSING DEVICE

Christopher Bockius, Ridgewood, N. J., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application June 15, 1946, Serial No. 676,973
1 Claim. (Cl. 211—49)

An open-sided self-leveling tote rack comprising, a first upright frame, a second upright frame, a base, means for connecting the bottom portion of each of said upright frames to opposite sides of said base, a set of anchors secured to the upper side of said first named frame, a rotatable shaft mounted in the upper part of said first named frame, a set of sprockets fixedly mounted on said shaft, a table adapted and arranged to travel vertically between said frames and support articles thereon of lengths which extend beyond opposite sides of said table, a first set of sprocket chains connected at one end to the side of said table adjacent said first named frame and passing over said fixedly mounted sprockets and then forming a hanging loop and having the other end connected to said first set of anchors, a second set of anchors connected to the upper portion of said first named frame, a second set of sprockets fixedly mounted on said shaft, a third set of sprockets mounted on the base adjacent to the bottom of said first upright frame, a fourth set of sprockets mounted on said base adjacent the bottom portion of said second named frame, a fifth set of sprockets located at the upper portion of said second named frame, a second set of sprocket chains connected at one end to said second set



of anchors and at the other end to the opposite side of said table adjacent the second upright frame, said second set of sprocket chains passing over the fifth, fourth, third and second sets of sprockets and forming a loop intermediate the second set of sprockets and the second set of anchors mounted in the upper portion of the first frame, a floating shaft having a plurality of sprockets adapted and arranged to engage with said sprocket chain loops and to support said shaft therein, a plurality of springs connected at one end to said floating shaft, and a plurality of anchors connected to the lower portion of the first frame which secure the opposite end of each of said springs.

2,560,929

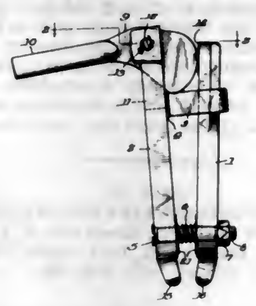
TOOL FOR ASSEMBLING RADIATOR SECTIONS OR THE LIKE

Robert L. Calbeck, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application September 11, 1947, Serial No. 773,337
1 Claim. (Cl. 29—238)

An assembly tool for cooperation with radiator sections positioned end to end to draw the latter sections together, the said tool including a pair of resiliently mounted oppositely disposed jaws pivotally movable in substantially a single plane and having inwardly inclined end portions for engagement with end limits of the radiator sections, the ends of the jaws removed from the inwardly inclined jaw portions being arranged relatively loosely to permit said pivotal movement of the jaws, substantially parallel banded guide means enclosing and slidably engaging oppositely disposed edges of one of the jaws, means for effecting aligned pivotal movement thereof, said latter means including an interposed cam on one of the

jaws positioned beyond the said guide means, the said cam being pivotally supported within a relieved portion of the said jaw and upon predetermined movement thereof being receivable with-



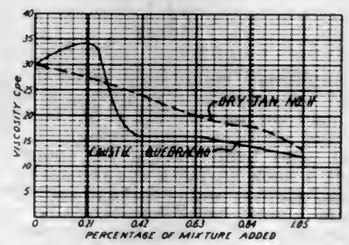
in said guide means to bear against the other jaw to effect said pivotal movement of opposite ends of the said jaws toward each other thereby to draw the radiator sections together.

2,560,930

MIXTURE FOR CONTROLLING PROPERTIES OF DRILL FLUIDS

Nash O. Campise, Houston, Tex., assignor to Houston Oil Field Material Company, Inc., Houston, Tex., a corporation of Delaware

Application August 23, 1948, Serial No. 45,676
6 Claims. (Cl. 252—8.5)



1. A mixture for treating aqueous and oil emulsion drill fluids comprising substantially equimolecular proportions of alkali metal carbonate and hydrated oxide of alkaline earth material and including an organic compound selected from the class consisting of vegetable tannin extract, tannic acid, humic acid, pyrogallic acid, gallic acid and quebracho extract.

2,560,931

DEHYDRATION OF ACETONITRILE

Harold D. Chapman and William I. Denton, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application February 26, 1946, Serial No. 650,395
2 Claims. (Cl. 210—42.5)

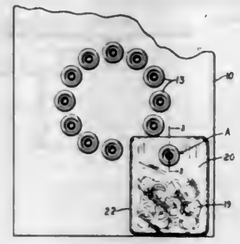
1. The method of producing substantially anhydrous acetonitrile from water-contaminated acetonitrile, which comprises contacting water-contaminated acetonitrile with activated alumina, at a temperature falling within the range varying between about 35° and less than about 200° F., and under sufficient pressure to maintain the water-contaminated acetonitrile in the liquid phase.

2,560,932

SNAP FASTENER DISPLAY CARD

Romaine C. Chapman, West Cheshire, and William W. Borowy, Oakville, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application December 2, 1948, Serial No. 63,062
8 Claims. (Cl. 206—80)



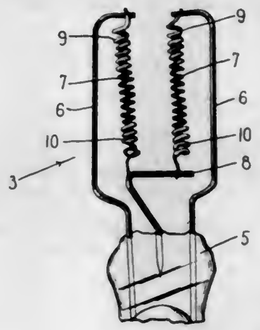
4. A display card for complemental snap fastener elements having common attaching members, said card having a series of complemental fastener elements detachably secured thereto, a separate bag for containing the attaching members, said bag having one end open for the reception and discharge of said attaching members, and one set of said fastener elements being used as a means for detachably securing the separate bag to said support card and also holding the open end of said bag substantially closed when attached to said support card.

2,560,933

LAMP ELECTRODE

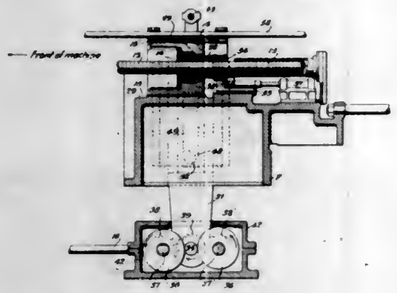
Herbert H. Chun, Marblehead, and Horace H. Homer, Arlington, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application February 17, 1949, Serial No. 76,872
4 Claims. (Cl. 313—346)



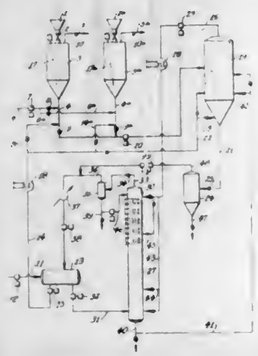
1. An electrode for an electric gaseous discharge device comprising: a coiled coil tungsten wire filament having a major and a minor coil; a coating of at least one alkaline earth metal oxide on a portion of said filament adjacent one end thereof; and a getter, substantially all of which is held within and fills the turns of a portion of the minor coil adjacent the other end thereof said getter being physically separated from said coating.

2,560,934
REDUCING MILL DRIVE
George B. Coe, Upper Montclair, N. J., assignor to Tube Reducing Corporation, Stamford, Conn., a corporation of Delaware
Application July 5, 1947, Serial No. 759,047
11 Claims. (Cl. 74—1)



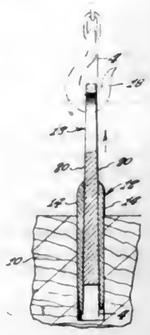
1. The combination with a threaded shaft, a feed-nut threaded to said shaft, a carrier to which said nut is fitted for rotation therein but in relation to which said nut is otherwise immovable, and means to rotate said nut in a direction to cause it to traverse said shaft rearwardly, of means including a lever connected to said carrier and a cam maintained in operative relation to said lever to impart movement to said carrier and control the direction and degree of said movement, and characterized by this: that the operative face of said cam is formed so as to cause a rearward movement of said carrier to match the rearward movement of said nut and then a forward movement of said carrier to impart an increment of feed to said shaft.

2,560,935
EXTRACTION OF OLEIFEROUS MATERIALS
John T. Dickinson, Basking Ridge, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application April 23, 1947, Serial No. 743,285
10 Claims. (Cl. 260—412.4)



1. A method for recovering oil from solid oleiferous material containing oleaginous material associated with non-oleaginous material which comprises intimately contacting said oleiferous material with a solvent for the oil content thereof to form a slurry of solids in extract solution, said solvent having a critical temperature not substantially higher than 450 degrees Fahrenheit, separating readily separable coarser solid particles from said slurry leaving a suspension of solid fines in the extract solution, heating said suspension to a temperature above the temperature of maximum oil solubility and near the critical temperature of said solvent to precipitate an oil phase heavier than said extract solution and containing said solid fines in occlusion while maintaining said suspension under a pressure sufficient to prevent substantial vaporization of said solvent, and separating said fines-containing oil phase from the remaining extract solution.

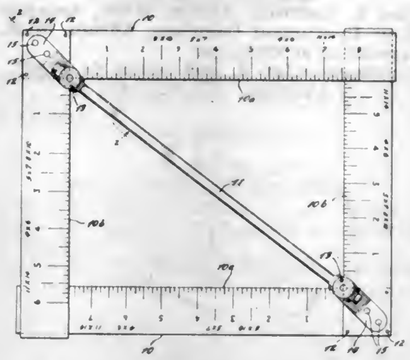
2,560,936
GRIPPING OR LIFTING MEANS
Louis Eastlund, Brooklyn, N. Y.
Application January 12, 1949, Serial No. 70,539
1 Claim. (Cl. 294—89)



An implement comprising in combination an inverted U shaped member having a pair of legs and a head joining said legs at one end, the outer surfaces of said legs being substantially mutually parallel, said head having an opening therethrough, a hook having a shank passing through said head opening and slidable in said head opening, said shank being substantially square in cross-section and having two opposed surfaces thereof sloping toward each other at a constant acute angle throughout the length of the shank in the direction from the free end of the shank toward said hook, the inner opposed surfaces of said member normally sloping toward each other at a constant acute angle throughout the length of said legs substantially equal to said first-named angle in the direction from the free ends of said legs toward said head, said inner opposed surfaces of said shank being positioned adjacent said inner opposed surfaces of said member, pulling of said hook in a direction tending to extract the shank from said head opening causing said shank to slide in said direction with respect to said member with said opposed surfaces of that portion of said shank between said legs in full surface contact with said opposed surfaces of said member to spread said legs of said member.

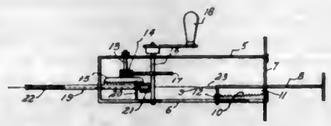
2,560,937
ADJUSTABLE CROPPING ANGLE DEVICE
Emil J. Ens, Newark, N. J., assignor to Magnus Research, Inc., Newark, N. J., a corporation of New Jersey
Application May 6, 1948, Serial No. 25,367
5 Claims. (Cl. 33—98)

1. In a set of adjustable cropping angles for determining rectangular areas having dimensions of the same proportions as the dimensions of a rectangle of a given size, the combination including a pair of angle members with each of said members forming a right angle, said angle members being positioned in opposed relation to each other to define a rectangle, brackets carried by each of said angle members, pivoted members carried by said bracket, said pivoted members being pivoted at diagonally opposed corners of the rectangle formed by the angle members and including a stud extending through the bracket,



said stud having a headed portion engaging with the bracket, a sleeve surrounding a portion of said stud and engaging with the bracket in opposed relation to said headed portion and a clamping nut threadably engaging with said stud and bearing against said sleeve, said sleeve and said stud having alignable transverse openings and a strut extending through said openings and diagonally across the rectangle formed by the angle members, said strut being slidable relative to the pivoted members.

2,560,938
PUSHING AND DRIVING MECHANISM FOR TOYS
Max Ernst, Nuremberg Germany
Application July 12, 1949, Serial No. 104,286
In Germany November 30, 1948
2 Claims. (Cl. 74—502)

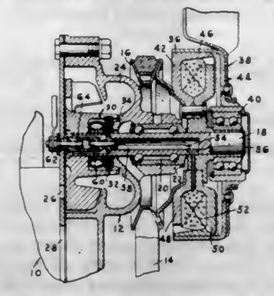


1. Operating means for a mechanical toy comprising a casing, a manually operated gear train within the casing, a tubular member rotatably mounted in one end of the casing with its inner end in communication with the gear train and the other end extending outwardly of the casing and fixed to a flexible tubular cable adapted for attachment to a toy to be operated, a tensioned rod slidably extending through the other end of the casing and a wire core extending from the inner end of the rod through the tubular member and tubular cable for attachment to a part of the toy, said tensioned rod having an angle extension on its inner end and there being an elongated slot in a side wall of the casing with the extension therein for guiding the rod in its sliding movements.

2,560,939
2,2-METHYLENEBIS(4-CHLORO-6-ACETAMIDOPHENOL) AND A METHOD FOR ITS PRODUCTION
Herman E. Faith, New Palestine, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo., a corporation of Delaware
No Drawing. Application June 23, 1950, Serial No. 170,036
2 Claims. (Cl. 260—562)

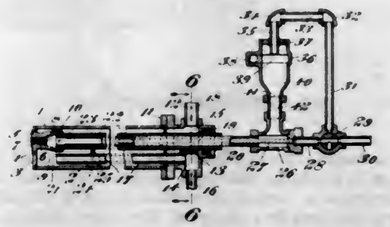
1. The compound 2,2'-methylenebis(4-chloro-6-acetamidophenol).

2,560,940
ELECTROMAGNETIC DRIVE APPARATUS
Howard J. Findley, Chardon, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 7, 1948, Serial No. 1,037
5 Claims. (Cl. 172—284)



1. An accessory drive apparatus comprising a liquid containing housing, a power driven shaft extending into the housing, an electromagnetic drive coupled to the shaft comprising an input member driven with the shaft, an output member cooperable therewith, and an electromagnetic coil carried by the input member, and an electrical supply circuit for the coil comprising a current conductor extending from the coil to a current contactor member fixedly secured in the shaft within the housing, a live current conductor extending from the electrical supply through the housing into contacting current transmitting relation with the coil contactor member, and means sealing the contacting portions of the conductors from the liquid in the housing.

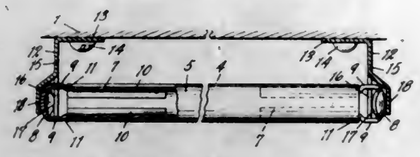
2,560,941
MULTIJET OIL BURNER
Andrew J. Fisher, Sparrows Point, Md., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application July 10, 1947, Serial No. 759,953
2 Claims. (Cl. 299—140)



1. A liquid fuel burner assembly comprising an outer tubular cooling jacket, concentric outer

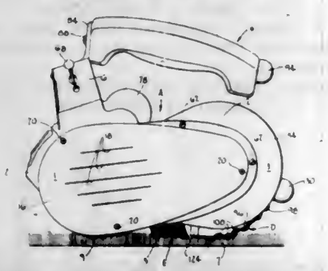
and inner fuel pipes within said jacket, a nozzle of highly heat conductive material within the cooling jacket and connecting to the forward end of the outer fuel pipe, said nozzle having a plurality of rows of spaced horizontal discharge passages, an external atomizer connected to the outer fuel pipe, means for supplying an atomizing agent to the atomizer, and selective valve and conduit means for supplying liquid fuel either to the atomizer or to the inner fuel pipe in accordance with the desired character of the flame.

2,560,942
CURTAIN ROD
Ledger D. Ford and Frederick L. Stutz, Sturgis, Mich., assignors to Kirsch Company, Sturgis, Mich., a corporation of Michigan
Original application January 10, 1946, Serial No. 640,306, now Patent No. 2,494,697, dated January 17, 1950. Divided and this application November 21, 1949, Serial No. 128,564
11 Claims. (Cl. 211—105.3)



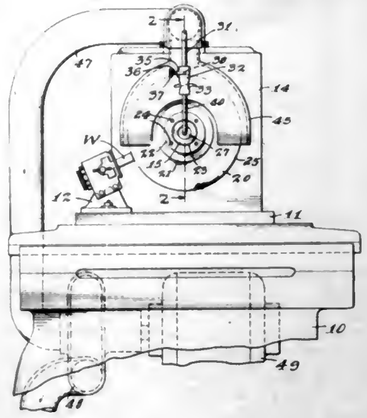
1. The combination with a bracket provided with an arm having a longitudinal slot therein and a spring finger struck therefrom and disposed in opposed relation to the slot, of a tubular curtain rod, a bracket engaging rod tip having a convex threading pilot head, neck members extending from opposite edges of the head, the width of the neck members being less than the diameter of the head, the neck members having integral springable arms extending therefrom frictionally engaged within the rod, the neck members being disposed sidewise within the slot of the bracket in supporting engagement therewith, the spring finger springably engaging the convex head of the bracket.

2,560,943
HAND-MANIPULATED FUR TREATING TOOL
Samuel Friedman, Brooklyn, N. Y., assignor to Reliable Machine Works, Inc., Brooklyn, N. Y., a corporation of New York
Application January 5, 1951, Serial No. 204,582
31 Claims. (Cl. 69—20)



1. A hand-manipulated fur treating tool comprising a housing having a bottom with an opening therein, a motor mounted in said housing, a rotary fur treating element mounted therein and operatively connected to said motor, said element being positioned in line with the opening in the bottom of said housing so as to be engageable with a fur surface or the like, a wall on the bottom of said housing at the other end thereof adapted to support the tool and smooth the fur surface over which it is moved, a comb having teeth projecting downwardly from the bottom of said housing between said element and said wall, and a handle on said housing.

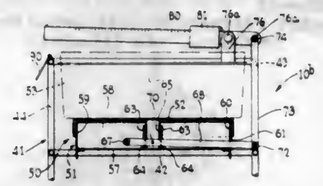
2,560,944
COOLING SYSTEM AND APPARATUS FOR ABRASIVE WHEELS
Clifford L. Garrison, Adrian, Mich., assignor to Oliver Instrument Company, Adrian, Mich., a corporation of Michigan
Application July 8, 1948, Serial No. 37,577
2 Claims. (Cl. 51—267)



1. In combination, a shaft journalled for rotation in a support and having an axial bore in an end thereof open to the atmosphere for providing a mixing chamber, the said end of said shaft being provided with a peripheral groove adjacent the end thereof, a grinding wheel mounted on said end of said shaft over said groove, radial passages leading from said chamber through said shaft to said groove, a conduit for introducing a liquid cooling medium into said chamber through the open end of said bore, the cross-sectional area of said conduit being substantially less than the cross-sectional area of said bore so that air in substantial amounts may readily enter said chamber around said conduit, whereby the centrifugal forces set up by the rotation of said grinding wheel will cause the liquid entering said chamber to become atomized and entrained by the air entering said chamber so that finely divided particles of cooling liquid suspended in cooling air will be caused to flow radially outwardly through the grinding wheel to cool the latter, and suction means associated with said grinding wheel for creating a subatmospheric pressure adjacent a portion of the periphery of said wheel, whereby to accelerate the flow of said cooling mediums through said wheel and carry away the moisture thrown therefrom.

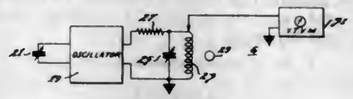
2,560,945
INFANT'S CRIB
Morris A. Goldberger, New York, N. Y.
Application May 21, 1945, Serial No. 594,951
3 Claims. (Cl. 5—93)

1. A crib comprising, in combination, a frame having a bottom wall and side walls, a platform weighing device on the bottom wall, a balance arm pivoted to one of the side walls, linkage means to connect the balance arm to the platform



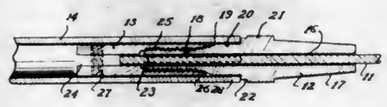
weighing device, said balance arm being disposed above one of the side walls, and running lengthwise thereof.

2,560,946
METAL SLUG RESONATOR
Ben R. Gossick, Oak Ridge, Tenn., assignor to Radio Corporation of America, a corporation of Delaware
Application February 3, 1948, Serial No. 6,046
9 Claims. (Cl. 178—44)



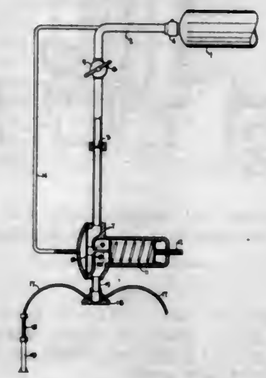
1. An electrical circuit element comprising a tuning inductance providing substantially a uniform electrical alternating field, and a relatively small metallic slug having equal and opposite reactance components in said field at a given resonant frequency by virtue of its permeance and conductance.

2,560,947
CHUCK FOR JEWELER'S SCREW DRIVER
Charles B. Greenberg, New York, N. Y.
Application May 25, 1948, Serial No. 28,992
2 Claims. (Cl. 279—99)



2. In a screw driver of the chuck type, a barrel and a co-acting chuck, the barrel having an opening therein terminating at its open end in a conic section and inwardly thereof containing a threaded section, the chuck having a longitudinal opening therethrough capable of containing the blade desired to be held, a threaded section and a conic section, said threaded section being positioned at one end of the chuck and said conic section being positioned removed from the ends of the chuck and in the vicinity of the inner end of the threaded section and the chuck being longitudinally slotted in the vicinity of the threaded and conic sections, whereby when the chuck is advanced into the barrel the conic section of the barrel exerts a pressure on the conic section of the chuck and an appreciable part of the chuck can be strained to effect a grip on the blade desired to be retained in the chuck opening.

2,560,948
DIFFERENTIAL PRESSURE METERING SYSTEM
Lester S. Hannibal and James R. Turner, Concord, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 26, 1948, Serial No. 35,477
5 Claims. (Cl. 62—1)

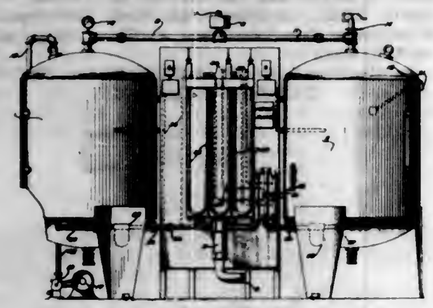


1. A differential pressure regulating valve metering system comprising a supply conduit adapted to be connected to a source of fluid under pressure; a differential pressure regulating valve in said supply conduit; an orifice metering device in said supply conduit between said source of fluid and said regulating valve; a main control valve in said supply conduit between said source of fluid and said orifice metering device; and an outlet conduit on the downstream side of said regulating valve; said differential pressure regulating valve having a differential pressure responsive element one side of which is connected to receive pressure fluid from said supply conduit between said source of fluid and said main regulating valve, and the other side of which is connected to receive pressure fluid from said supply conduit between said orifice metering device and said regulating valve itself and being provided further with resilient means aiding the pressure fluid acting on said other side, said pressure responsive element being connected to move the regulating valve toward its closed position in response to increased pressure fluid on the first named side, and toward its open position in response to increased pressure fluid on the said other side.

2,560,949
WOOL OILING SYSTEM
Robert R. Harmon, Charlottesville, Va., assignor to Southern Welding & Machine Company, Charlottesville, Va., a partnership
Application April 22, 1948, Serial No. 22,561
3 Claims. (Cl. 299—84)

1. Apparatus for forming an oil emulsion to be sprayed on raw wool fibers and the like to replace natural oil lost during cleansing treatment comprising, an oil reservoir, a water reservoir, means for applying heat to the water in said water reservoir to maintain the same at a selected temperature, a conduit from said water reservoir extending into said oil reservoir for heating the oil indirectly to substantially the temperature of the water for emulsifying the oil, conduits extending from both reservoirs opening at a common mixing point, and means for apply-

ing equal fluid pressure to both said reservoirs for discharging a jet of the heated liquid from

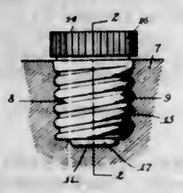


each reservoir, at substantially the same pressure and temperature, at said mixing point.

2,560,950
PRODUCTION OF o-CRESOL DERIVATIVES
James D. Head, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application December 23, 1949, Serial No. 134,837
4 Claims. (Cl. 260—623)

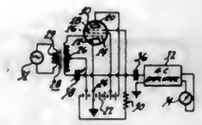
1. A method of producing 6-fluoro-o-cresol that comprises (1) dechlorinating and reducing 5-chloro-3-fluorosaligenin diacetate to 6-fluoro-o-cresol acetate by the action of two mols of hydrogen per mol of the 5-chloro-3-fluorosaligenin diacetate in the presence of a hydrogen ion acceptor and a palladium catalyst, and (2) hydrolyzing the 6-fluoro-o-cresol acetate to free 6-fluoro-o-cresol.

2,560,951
EMBEDDED SCREW-THREADED SOCKET
Harold P. Henderson and Philip Kaplan, Buffalo, N. Y., assignors to Clover Industries, Inc., Buffalo, N. Y., a corporation of New York
Application October 18, 1948, Serial No. 55,086
4 Claims. (Cl. 72—105)



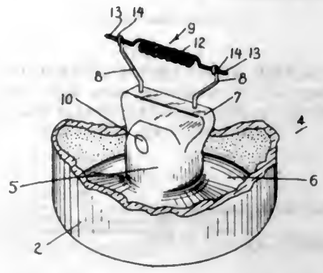
4. In combination, a plastic base having a socket hole provided with a projection-cavity in its bottom wall, a sheet metal socket having a peripheral wall and an inner closed end wall which socket is molded into said base, said socket having its peripheral wall provided with exterior screw-thread convolutions bonded to said base, abutment means formed on said inner end wall eccentric to the central rotational axis of said socket which is adapted to enter in said projection-cavity and interlock the socket with said base and prevent withdrawal of the same therefrom, said abutment being deformable under increased rotative force whereby said socket may be removed to receive a replacement socket.

2,560,952
QUANTITATIVE GAS MEASURING
Edward W. Herold, Kingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 25, 1949, Serial No. 78,448
24 Claims. (Cl. 315—364)



1. An ion-current type quantitative gas-measuring apparatus adapted to distinguish between currents developed from ions of the gas to be measured and other interfering electric currents, said apparatus comprising a circuit including a pair of electrodes for ionizing the gas to be measured, a second circuit including a third electrode connected to collect ions of said gas to develop an ion current from collected ions of said gas, means for cyclically varying the ionization of said gas whereby to produce cyclical variations in said ion current, and alternating current responsive measuring means coupled to said second circuit and responsive to said cyclical variations in said ion current.

2,560,953
ELECTRIC GASEOUS DISCHARGE DEVICE ELECTRODE
Horace H. Homer, Arlington, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application June 30, 1949, Serial No. 102,304
2 Claims. (Cl. 313—178)

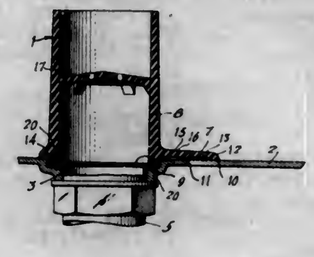


1. An electric gaseous discharge device electrode comprising: a tungsten filament having coiled legs, and a coiled coil portion intermediate the legs; a quantity of electron-emissive material on said coiled coil portion; and a quantity of powdered zirconium within the interstices of said coiled legs only of said filament.

2,560,954
BASIN DRAIN SPILLWAY
Alexander F. Jackson, East Orange, N. J.
Application January 9, 1947, Serial No. 720,949
2 Claims. (Cl. 4—206)

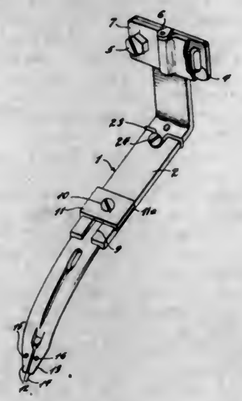
1. A drain spillway for a basin that has a drain opening in the bottom thereof, comprising a thin substantially flat flexible base having a continuous annular downwardly projecting flange extending throughout its edges, a tubular portion integral and eccentric with respect to said base and having its upper end portion fully open and

projecting upwardly from said base and having its lower end projecting downwardly from said base beyond the plane of said marginal flange within and spaced from said marginal flange, whereby said spillway may be set with both said



marginal flange and said lower end of the tubular portion in contact with said bottom of the basin and with said lower end of the tubular portion in closely encircling relation to said drain opening even when said opening is close to a side wall of the basin.

2,560,955
YARN CARRIER
Edward Jentsch, Clifton, N. J.
Application November 4, 1948, Serial No. 58,266
7 Claims. (Cl. 66—126)

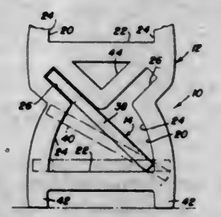


1. A yarn carrier which includes a main body portion having a slotted opening at one end thereof, a nose portion extending from the slotted end of said main body portion, said main body portion having recessed portions adjacent the slotted opening therein, said recessed portions being shaped to fit said nose portion with a sliding fit, a clamping member located on said main body portion in opposed relation to said nose portion, said clamping member having flanges along its sides that extend over and engage with the side edges of said main body portion and fastening means engaging with said nose portion and said clamping member and extending through the slotted opening in the main body portion, said fastening means removably securing said nose portion to said main body portion and permitting lengthwise movement of the nose portion relative to the main body portion.

2,560,956
MINERAL OIL COMPOSITIONS CONTAINING POLYMERS OF THIOPHENE
George C. Johnson, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application May 3, 1947, Serial No. 745,725
6 Claims. (Cl. 252—45)

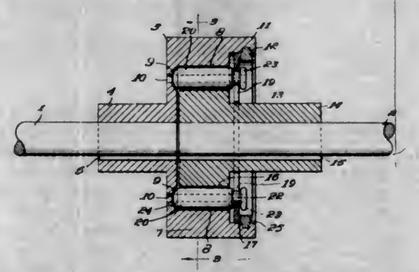
1. A mineral lubricating oil containing a minor proportion, sufficient to improve the viscosity index of said mineral lubricating oil, of a polymer of a material selected from the group consisting of thiophene and monoalkyl thiophenes, obtained by contacting said material with a silica-alumina catalyst, at a temperature falling within the range varying between about 20° C. and about 200° C. and for a period of time varying between about 1 hour and about 20 days.

2,560,957
KNOCKDOWN SHELF STRUCTURE
James H. Johnson, Auburn, Calif.
Application December 6, 1948, Serial No. 63,653
3 Claims. (Cl. 211—148)



1. In a knockdown shelf structure, the combination of a vertical end panel and a horizontal shelf panel, said shelf panel being formed in side edges thereof with transversely aligned notches defining therebetween a reduced neck, said end panel being provided with an opening having a horizontal bottom edge and upwardly convergent side edges, said bottom edge being substantially equal to the width of said neck, said shelf panel being insertable in said opening, said neck being supportably engageable by said bottom edge, and portions of said end panel at the side edges of said opening being receivable in said notches, whereby said panels may be firmly but separably secured together.

2,560,958
RESILIENT DRIVE COUPLING
Lawrence S. King, Oklahoma City, Okla., assignor to King-Yates, Oklahoma City, Okla., a copartnership
Application March 4, 1949, Serial No. 79,670
4 Claims. (Cl. 64—11)



1. The combination in a shaft coupling with a driven head, an enclosing driving housing, and

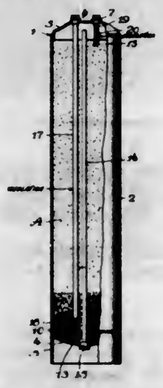
an annular series of interior longitudinally extending bores formed between the head and housing, of a series of non-metallic coupling pins located within the bores, a non-metallic slotted sectional guard supported on the pins, and a detachable non-metallic retaining ring for the guard mounted in the housing.

2,560,959
COOKING STOVE
Gustav Klein, Melrose Park, Pa., assignor to Caloric Stove Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 30, 1946, Serial No. 719,145
1 Claim. (Cl. 126—39)



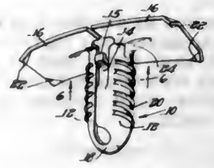
An integral top burner box for a gas stove having front and rear burners, said box having vertical side walls, a vertical back wall and a horizontal bottom wall, said bottom comprising a flat body portion and a bead struck up from said portion immediately inwardly from the edges thereof, and a ridge also struck up from said flat body portion and extending from one of said side walls to the other of said side walls, said ridge being higher than said bead and serving to support the rear burners of the stove and cooperating with said bead to form a plurality of rimmed-in areas below said front and rear burners.

2,560,960
CATHODIC PROTECTION FOR WATER SOFTENERS AND FILTERS
George H. Klumb, Northbrook, Ill., assignor to Culligan Zeolite Company, Northbrook, Ill., a corporation of Delaware
Application September 14, 1948, Serial No. 49,163
5 Claims. (Cl. 204—197)



1. In a metal tank of the class described, a bed containing cation exchange material, an inlet and outlet for the water to be treated, a metal manifold on said inlet and a metal manifold on said outlet both within the tank and each having a plurality of closely spaced openings of such dimensions as to permit an uninterrupted flow of the water but small enough to prevent normal passage therethrough of the exchange material of the bed, a sacrificial galvanic anode in and electrically connected to said tank and projecting into the bed of material for protecting the tank walls against corrosion by reversal of current flow and by formation of a calcareous coating, said tank, inlet and outlet being of metal and providing cathodic areas, and insulating means between each manifold and these cathodic areas for electrically insulating the manifold therefrom to prevent the coating from the anode from collecting on and in the openings of the manifold and thereby assuring uninterrupted flow through these openings.

2,560,961
FASTENER
Friedrich Karl Knohl, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application November 29, 1947, Serial No. 788,867
5 Claims. (Cl. 151—41.75)

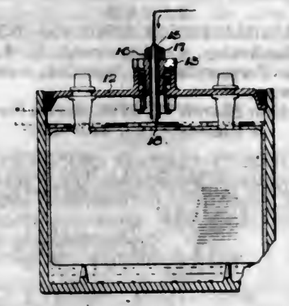


1. The combination comprising an apertured work piece, a one piece sheet metal fastener, and a nut member, said fastener including two oppositely concaved shank portions connected at one end, the longitudinal edges of said shank portions lying in abutting relation to provide a tubular shank, laterally extending resilient head portions formed on said shank portions at the ends thereof opposite the connected ends, yieldable latching fingers integral with said shank and having the free extremities normally extending radially outwardly from the shank periphery to present work engaging shoulders facing the head portions, the ends of said head portions being disposed toward said latching fingers, said latching fingers and said resilient head portions being disposed to effect automatic gripping of the work piece therebetween as an incident to telescopic association of the tubular shank and the apertured work piece, thread convolutions on said shank portions, means formed on said fastener for grippingly engaging the work piece to prevent rotation of the fastener with respect to the work piece during mounting of the nut member thereon, said nut member having a recess formed therein, the sides defining said recess having means formed thereon to receive and cooperate with the thread convolutions on said shank portions, the end of said nut member adjacent the work piece serving to seal the aperture in said work piece when the nut member is threaded on the shank portions of the fastener.

2,560,962
BATTERY CELL INDICATING DEVICE
Edward Kopper, Winnetka, and Waldemar H. Radeke, Blue Island, Ill., assignors to Peerless Equipment Company, Chicago, Ill., a corporation of Delaware
Application April 28, 1949, Serial No. 90,162
1 Claim. (Cl. 136—182)

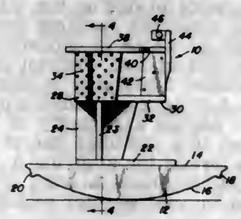
In a battery cell having an opening, a member fitted in said opening, said member having an internally threaded longitudinal bore, a water indicating electrode assembly adjustable from the exterior of the battery without removal of said member therefrom, said assembly comprising

a conductive member and an insulating sleeve thereabout, said sleeve being externally threaded to engage the internal threads of said bore, said electrode assembly having its upper end projecting above the top of the member for manual



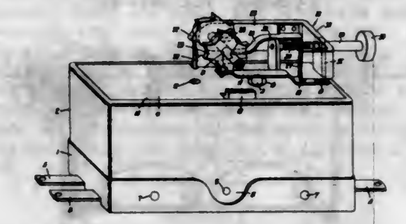
manipulation to adjust the conductor assembly to a given water level, and means at the exposed face of said member for engaging the upper exposed end of said assembly to secure the same in selected position relative to the said member.

2,560,963
ROCKING TOY
Chester N. Kornegay, Fayetteville, N. C.
Application December 20, 1948, Serial No. 66,248
1 Claim. (Cl. 155—69)



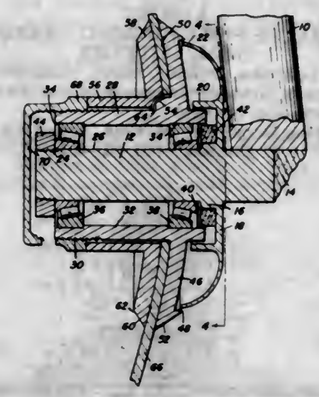
A rocking toy comprising a pair of elongated rockers having convex lower edges and flat upper edges, stops projecting outwardly from the lower edges of said rockers adjacent the ends of the rockers, a platform fixed on the upper edges of said rockers, the rockers being inclined relative to each other, a longitudinally extending vertical wall rising from said platform, a pair of vertical walls also rising from said platform and fixed to and projecting laterally from said vertical wall, a seat board fixed on all of said vertical walls and including a forwardly extending portion and a curved edge, an arcuate back rest having a lower edge surrounding and secured against the curved edge of said seat board, a rigid body band embracing the back rest and having an inner curved edge secured to the upper edge of said back rest, said body band including a forwardly projecting portion overlying the forwardly projecting portion of said seat board, a supporting post mounted on and rising from the forwardly projecting portion of said seat board, the forwardly projecting portion of said body band overlying said post and being secured to said post, an upright rising from the supporting post, a block mounted on said upright and overlying the forwardly projecting portion of said body band, and hand gripping means carried by said block.

2,560,964
SEQUENCE ACTUATOR FOR SWITCHES
Wallace A. Lauder, West Nyack, N. Y., assignor to The W. L. Maxson Corporation, New York, N. Y., a corporation of New York
Application February 5, 1949, Serial No. 74,831
2 Claims. (Cl. 74—128)



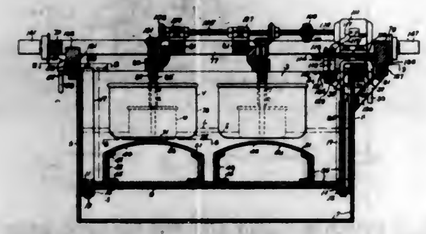
1. A switch actuator adapted for application to a switch unit comprising, in combination, a mounting plate attachable to the switch unit, a switch actuating member carried by the plate, a shaft, ears on the mounting plate for providing aligned bearings for the shaft, a cam fast on the shaft for engaging and operating the actuating member, a ratchet wheel fast on the shaft, a pawl for actuating the ratchet wheel step by step, a frame upon which the pawl is mounted, said frame being U-shaped to span the cam and the ratchet wheel and having guide slots in its legs through which the shaft extends, the frame also including a rigid operating stem, and an ear on the mounting plate in which the stem is slidingly supported.

2,560,965
DISK HUB AND BEARING ASSEMBLY
Davis E. Lewis, Arcola, La.
Application June 30, 1947, Serial No. 758,157
2 Claims. (Cl. 308—19)



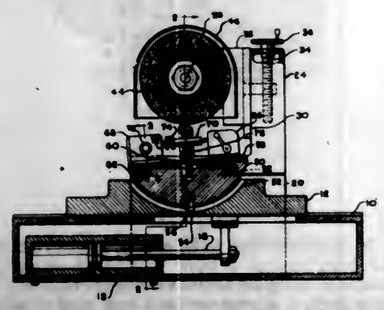
1. In combination with a disk support and axle a disk hub having a bore journaled on said axle, a spherical shaped concave disk retaining flange on said hub, a sleeve on said hub and a spherical shaped convex disk retaining flange on said sleeve, a flexible agricultural disk mounted between said convex and concave flanges, a cap on said hub abuttingly engaging said sleeve for compressing said disk between said flanges, a longitudinally and radially extending key on said hub, keyways in said disk and in said sleeve, said keyways receiving said key.

2,560,966
METHOD OF ELECTROPLATING COPPER CLAD STAINLESS STEEL COOKING VESSELS
Harold J. Lee, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Application July 31, 1947, Serial No. 764,956
5 Claims. (Cl. 204—25)



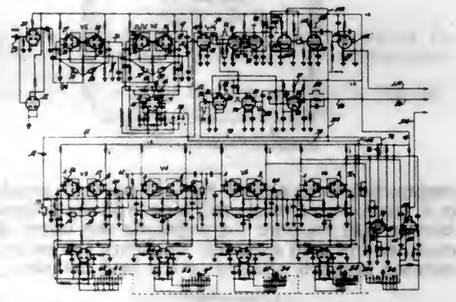
1. In a method of coating the substantially flat bottom and adjacent side wall surfaces of revolution of a stainless steel cooking vessel with a strongly adhering layer of electrodeposited copper, the steps of immersing said surfaces in a dilute sulphuric acid bath with said bottom surface in opposed spaced substantially coaxial relation to the convex surface of revolution of an insoluble electrode of greater diameter than the diameter of the vessel and of material altitude, making said vessel a cathode and said electrode an anode while immersed in said bath for treating said surfaces of the vessel with electrolytically released hydrogen, and upon cessation of such treatment removing said vessel from said bath and substantially immediately immersing said surfaces thereof in a copper plating bath in opposed spaced relation to a soluble copper electrode and making the latter an anode and the vessel a cathode.

2,560,967
APPARATUS FOR GRINDING GEARS AND GEAR CUTTERS
Floryan Lohutko, Detroit, Mich., assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application December 14, 1948, Serial No. 65,255
11 Claims. (Cl. 51—95)



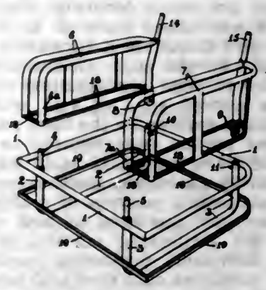
1. In combination in a grinding machine for grinding gears and gear cutters; a grinding wheel having a spiral groove on the periphery thereof, a bed, a table movable on said bed, a fixture mounted on said table comprising a sub-table directly supported by said bed and a platen supported on said table, headstock and tailstock means on said platen defining a work axis, and means for pivotally adjusting said sub-table on said table and said platen on said sub-table thereby to vary the angularity between the axis of said wheel and said work axis, and means for driving said wheel and a workpiece mounted on said axis at synchronous speed.

2,560,968
VARIABLE FREQUENCY COUNTER
Olin L. MacSorley, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 24, 1948, Serial No. 16,835
8 Claims. (Cl. 250—27)



8. The combination of four tandem-connected stages each including a pair of electron discharge elements having operating potential applied to their anodes through separate impedance elements and having their grids each connected to the anode of the other so that current conduction is stable in one or the other of said anodes, means including resistors connected in pairs each pair of which is connected between the grids of a pair of said electron elements in each of said stages, a plurality of count selector switches each having a grounded movable contact and each having a plurality of fixed contacts connected to a different one of the resistor pairs, and means for applying a reset pulse through said resistor pairs to such of said grids as are selected by said selector switches.

2,560,969
CONSTRUCTION OF SEATS
John E. L. Marshall, Sandiacre, England
Application July 29, 1947, Serial No. 764,511
In Great Britain June 28, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 28, 1966
2 Claims. (Cl. 155—196)



1. An upholstered chair or settee comprising a base formed by a substantially rectangular metal frame supported by two U-shaped metal members extending from front to back of the frame and secured thereto, said frame projecting laterally beyond said U-shaped members to provide arm rest supports, arm rests including spaced side members supported on the projecting portions of the rectangular frame and have their undersides detachably connected to the upper ends of the arms of the respective U-shaped members, a seat back detachably connected to the arm rests and adapted to hold them in position on the base and means extending across the rectangular frame between the arm rests to support a cushion or the like.

2,560,970
PRODUCTION OF GAMMA-FERRIC OXIDE HYDRATE AND GAMMA-FERRIC OXIDE
John Martin, Trenton, N. J., assignor to Columbian Carbon Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 11, 1947, Serial No. 760,496
6 Claims. (Cl. 23—200)

1. The method of preparing gamma-ferric oxide hydrate which comprises precipitating the ferrous ion from a solution of ferrous sulphate with a solution of a hydroxide of a metal of the class consisting of the alkali and alkaline earth metals at a temperature between 150° and 200° F. to form a thick slurry, maintaining the temperature until the slurry is thin, diluting and rapidly cooling the slurry to room temperature, and oxidizing it at room temperature until the product has a clean orange-yellow color.

2,560,971
PRODUCTION OF GAMMA-FERRIC OXIDE HYDRATE AND GAMMA-FERRIC OXIDE
John Martin, Trenton, N. J., assignor to Columbian Carbon Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 11, 1947, Serial No. 760,497
10 Claims. (Cl. 23—200)

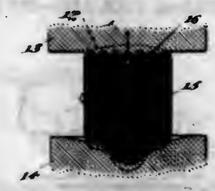
1. The method of preparing gamma-ferric oxide hydrate which comprises precipitating the ferrous ion from a solution of ferrous chloride with a solution of a hydroxide of a metal of the class consisting of the alkali and alkaline earth metals at a temperature between 150° and 200° F. to form a thick slurry, maintaining the temperature until the slurry is thin, diluting and rapidly cooling the slurry to room temperature, and oxidizing it at room temperature until the product has a clean orange-yellow color.

2,560,972
HORIZONTAL AXIS BALL MILL WITH PERIPHERAL SCREENING AND LIFTING BAYS
John B. Martin, San Francisco, Calif.
Application December 9, 1947, Serial No. 790,509
3 Claims. (Cl. 241—70)



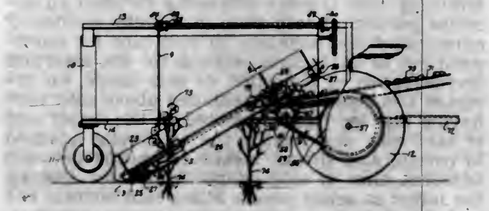
1. In a ball mill, a rotatably mounted rotor adapted for receiving therein loose grinding members and material to be ground and having openings at its opposite ends providing an inlet and a discharge outlet, said rotor including a cylindrical central drum portion, axially longitudinal bays extending radially outwardly from the central drum portion and each bay having an opening into the central drum of sufficient size to permit the grinding members to enter into and discharge from the bays, the said bays having a forward wall and a follower lifting wall, said walls of the bays extending radially outwardly from the central drum portion substantially in relative parallelism at an angular incline rearwardly relative to rotor radii intersecting the center of the opening of the bays, said incline being counter to the direction of rotation of the rotor.

2,560,973
METHOD OF FORMING TURBINE ROTORS
Walter N. Martin and John Y. Riedel, Bethlehem, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application December 3, 1945, Serial No. 632,571
5 Claims. (Cl. 148—12)



1. The method of forming a turbine rotor of high alloy steel, containing 16% chromium, 25% nickel, and 6% molybdenum, which consists in hot forging a billet successively at a temperature of 1950° F. in a plurality of sets of dies to form a blank, heating the blank to 2200° F. and holding it at that temperature for two and one half hours, quenching the blank and then reheating the blank to 1200° F. and hardening the blank by subjecting it at that temperature successively in a plurality of sets of dies to a relatively cold forging operation.

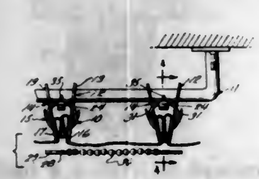
2,560,974
STRIPPER TYPE COTTON HARVESTER
Horace D. May, Clovis, N. Mex.
Application December 21, 1948, Serial No. 66,413
1 Claim. (Cl. 56—14)



In a cotton harvester, the combination with a tractor having a rear axle, a cotton stripper unit pivotally mounted on said tractor, said cotton stripper unit comprising a pair of spaced coacting elevators, drive means operatively connecting said rear axle to each of said elevators for actuating the latter, each of said elevators comprising a bottom wall, a side wall arranged transversely with respect to said bottom wall and secured thereto, an inclined top wall supported by said side wall, a bearing projecting upwardly

from the front end of said bottom wall, a first grooved pulley supported by said bearing, an extension provided with an arcuately shaped bottom projecting from the front end of said side wall, an upturned shoe for slidably engaging the ground, a vertically disposed upright arranged at right angles with respect to a side edge of the bottom wall and secured thereto, a sleeve supported on the rear end of the bottom wall, a second grooved pulley rotatably supported by said sleeve, a rotatable endless belt trained between said first and second pulleys and extending around the exterior of said upright, the endless belts of said pair of elevators cooperating to strip cotton bolls from cotton plants, the inclined top walls of said elevators coacting to define a trough for guiding the stripped cotton bolls rearwardly along said elevators, and means for adjustably moving said elevators about a horizontal axis.

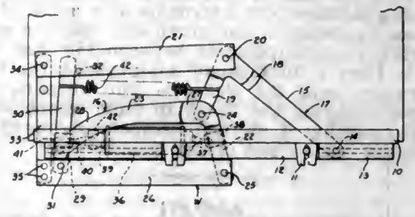
2,560,975
DRAPE SUPPORTING CLAMP
Hendrix W. Metzger, Boonville, Ind.
Application March 1, 1949, Serial No. 78,932
2 Claims. (Cl. 160—348)



2. A support for dependingly mounting a drape comprising a horizontally disposed curtain rod adapted to be secured to a wall surface, a plurality of drape clamps arranged in side by side spaced relation with respect to each other and slidably supported on said curtain rod, each of said drape clamps comprising a pair of vertically disposed jaw members arranged in confronting converging relation with the converging ends in contacting relation with each other, a tube fabricated of resilient material disposed transversely of said jaw members intermediate the ends thereof and provided with a longitudinally extending slot, said tube being circumposed about said jaw members with the converging ends of the latter extending through said slot and the diverging ends thereof extending through an opposite portion of said tube to thereby resiliently mount said jaw members in said tube for movement out of contacting relation for the insertion therebetween of a portion of said drape, an inverted U-shaped arm positioned above said tube having one leg fixedly secured to the upper end of said tube and having the other end adapted to overlie said drape, means extending between adjacent ones of said drape clamps for spacing the latter at select points along said curtain rod and for interconnecting said clamps together, and hook means carried by said tube for securing a portion of said drape about the periphery of said tube.

2,560,976
WINDOW REGULATOR
John B. Parsons, Toledo, Ohio
Application January 8, 1947, Serial No. 720,849
1 Claim. (Cl. 268—125)

A regulator mechanism for vehicle windows mounted for up and down movements between lowermost and uppermost positions comprising a horizontally disposed frame lying substantially in one vertical plane and including a vertically disposed flat cross bar and upper and lower flat frame arms connected at one end to said cross bar, one frame arm being pivotally connected to said cross bar, a vehicle window and supporting elements disposed therebeneath, said window and supporting elements being substantially flat and lying substantially in a vertical plane parallel and closely spaced from said first plane, said supporting elements including substantially horizontally disposed slideways, a pair of bell crank levers, each lever having a relatively short arm, a relatively long arm, and an angular juncture of said long and short arms, a sliding connection between the free ends of the long arms of said levers and the slideways, a pivotal connection between the juncture of one of said levers and said upper frame arm, the arrangement being such that when said window is in lowermost position the long arms of said levers extend downwardly and the supporting elements for said window lie

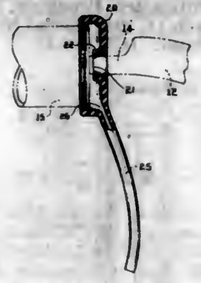


adjacent the level of said lower frame member, a pivotal connection between the free end of the short arm of the other lever and said lower frame arm, a pivotal connection between the juncture of said other lever and the free end of the short arm of said one lever, the long arms of both of said levers including lateral offsets adjacent said junctures whereby said short arms and junctures lie substantially in the first plane and the free ends of said long arms extend substantially from the first plane to the second plane, and a linear motor engaging the short arm of said other lever, said motor including a cylinder overlying between said lower frame member but having a side thereof lying between said planes whereby when said window is in said lowermost position, a straight line from the juncture of said other lever to the free end of the long arm thereof passes through said side, the last-named long arm having a downward hook adjacent the free end thereof whereby the lateral offset and the hook cooperate with one another to avoid interference between the last-named long arm and said cylinder side.

2,560,977
HYDRAULIC BRAKE LINING PROTECTOR
Roy A. Patterson, Vancouver, British Columbia, Canada
Application May 7, 1948, Serial No. 25,569
4 Claims. (Cl. 188—152)

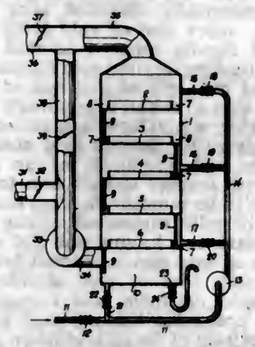
1. In vehicle wheel braking apparatus, the combination with a backing plate having a hydraulic cylinder unit and a brake shoe mounted on the inner surface thereof, said shoe having an arm extending into an end of and operatively connected to the cylinder unit, of a brake lining protector comprising a cup adapted to fit snugly over the end of the cylinder unit, an opening in the cup through which the arm slidably extends, said opening being just large enough to accommodate the arm whereby liquid is prevented from passing

through said opening, and a tube connected to the bottom of the cup and communicating with



the interior thereof for conducting any fluid away therefrom.

2,560,978
METHOD FOR AERATING WATER
Alef Ruben Persson, Hedemora, and Johan Olof Naucler, Stocksund, Sweden
Application January 17, 1947, Serial No. 722,700
In Denmark May 18, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 18, 1963
5 Claims. (Cl. 210—16)

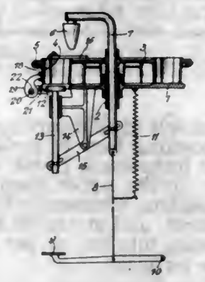


1. A method of aerating supply liquids having a temperature close to the freezing point thereof with atmospheric air initially having a temperature below said freezing point comprising the steps of passing said supply liquid in the form of of a flowing layer across a perforated strainer plate, passing a given body of said atmospheric air having an initial temperature below the freezing point of said liquid through the perforations of said strainer plate and through said layer of liquid, the size and spacing of the perforations of said strainer plate being so selected that said passage of air therethrough and through said layer of liquid forms a foam of polyhedric bubbles, repeating such passage of at least a portion of said body of air, and so adjusting the flow of air and liquid that a given volume of liquid is passed through by a total volume of air at least ten times the said volume of liquid.

2,560,979
CHEMICAL DEPOSITION OF METALLIC FILMS
Leopold Pessel, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application July 30, 1948, Serial No. 41,721
11 Claims. (Cl. 117—130)

1. In a process of chemically depositing a film of metal on a body of another metal anodic thereto by subjecting said body to a solution of a soluble compound of said metal to be deposited until said film has assumed a desired thickness, the improvement consisting in utilizing as the solvent portion of said solution a mixture comprising pentanedione-2,4 and water, said water being present in said mixture in a proportion between 0.5 volume percent and the upper limit of miscibility with said pentanedione-2,4.

2,560,980
EARTH-POT PRESS
Gunnar Nimrod Pettersen, Halden, Norway
Application November 16, 1946, Serial No. 710,281
In Norway September 18, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 18, 1963
9 Claims. (Cl. 25—24)

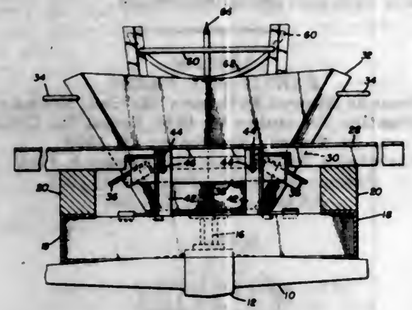


1. An earth-pot press comprising a stationary bottom plate, a mould wheel rotatable about a vertical axis, a plurality of moulds integral with said wheel and equally spaced about said axis and formed with open bottoms resting on said bottom plate, means for arresting said wheel in predetermined positions, a non-rotatable die-carrying rod extending substantially axially through said wheel, guiding means permitting longitudinal movement of said rod, a downwardly-acting die carried by said rod above said bottom plate and registering with one of said moulds in each of the predetermined positions of the wheel and adapted by downward movement of said rod, to press an earth-pot in the mould registering with the die in each predetermined position of the wheel, an annular covering plate overlying said mould during pressing, means for supporting said covering plate so as to retain the pressed earth within said mould during the return movement of the die, an upwardly-acting expeller registering with a second mould in each predetermined position of the wheel and normally located below said mould wheel, stationary guiding means permitting vertical movements of said expeller, means interconnecting said rod and expeller for simultaneous movements in opposite directions, means for joint actuation of said rod and expeller and retracting means for returning said rod and expeller and retaining them in their normal positions.

2,560,981
TRAILER LIME SPREADER
Lucien J. Plouffe, Cornwall, Vt.
Application December 2, 1946, Serial No. 713,584
5 Claims. (Cl. 275—8)

1. A fertilizer distributor comprising a carriage adapted to be secured to a prime mover, an aperture in the floor of said carriage, a hopper adjustably mounted on said carriage and having a lower outlet end projecting through said

aperture, a rotatable disc secured below the outlet of said hopper, means for selectively lowering and raising said hopper and locking the same in adjusted positions whereby the vertical distance between said lower end of the hopper and said disc may be selectively varied, and means for rotating said disc including a differential



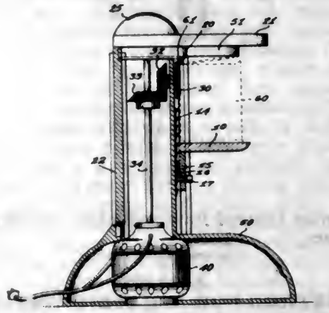
driven by the wheels of said carriage, means for automatically opening bags of fertilizer thrown into the hopper including a frame work mounted transversely at the upper open end of the hopper and a piercing member vertically carried by said frame work, and means on said disc and rotatably extending into the hopper for pulverizing lumps of the fertilizer.

2,560,982
ANIMAL HANDLING TONGS
Lloyd C. Pofferberger and Clair M. Senter, Maxwell, Iowa
Application October 11, 1949, Serial No. 120,648
1 Claim. (Cl. 119—154)



An animal-handling implement comprising a pair of elongated bars each having a bowed portion adjacent one end thereof and an aperture extending transversely therethrough between said bowed portion and said one end, a screw eye associated with each of said bars, each screw eye having a screw-threaded shank inserted through the aperture in the associated bar, nuts threaded on each screw-eye shank at respectively-opposite sides of the associated bar to adjustably secure the screw eyes to the bars, and a pivot bolt extending through the overlapping eyes of said screw eyes pivotally inter-connecting said bars with the bowed portions thereof outwardly-disposed relative to each other.

2,560,983
POWERED CAN OPENER
George A. Policastro, Brooklyn, N. Y.
Application March 14, 1947, Serial No. 734,608
1 Claim. (Cl. 30—4)

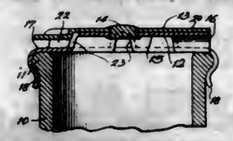


A can opener comprising a base, a standard rising from said base and having one end fixedly supported thereon, a vertically disposed strap arranged in spaced parallel face to face relation with respect to said standard and resiliently mounted on said base for up and down movement, a horizontally disposed arm positioned adjacent the upper end of said strap and having one end fixedly secured to said strap the other end extending beyond said standard, a cutter positioned inwardly of and spaced from said other end of said arm and dependingly supported from the latter, a platform positioned adjacent the non-confronting face of said standard and mounting on said standard for up and down movement with respect to said arm for the support of a can to be punctured, a horizontally disposed guard fixedly supported on the other end of said standard and having one end engageable with the top of said can, a ratchet track on the non-confronting face of said standard, means carried by said platform and engageable with said ratchet track for holding said platform in any select position of its up and down movement, a motor, a vertically disposed drive shaft positioned between said strap and said standard and connected to said motor, a horizontally disposed driven shaft rotatably supported in said standard adjacent said other end thereof, a disc carried by said driven shaft engageable with the periphery of said can to thereby rotate said can while supported on said platform, bevel gearing operatively connecting said drive shaft to said driven shaft, and switch means embodying a contact carried by the lower end of said strap and engageable with a contact on the adjacent portion of said base upon down movement of said strap for actuating said motor.

2,560,984
BURNER CAP STRUCTURE
Frederick J. Port, Chicago, John R. Hall, Elmhurst, and Charles L. Turner, Chicago, Ill., assignors to Cribben and Sexton Company, Chicago, Ill., a corporation of Illinois
Application March 24, 1947, Serial No. 736,776
4 Claims. (Cl. 158—116)

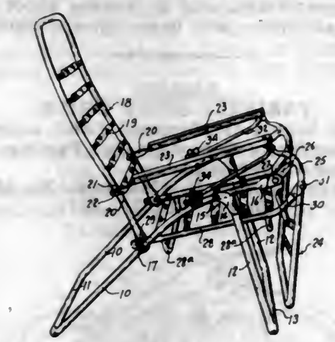
1. In combination with a burner pipe, a burner pipe cover comprising a lower plate having an upwardly-dished central portion surrounded by an edge portion in which upwardly-pressed radial channels are formed, said plate providing also fan-shaped spaces between the said channels, an upper plate extending over said

second plate and providing walls above said fan-shaped spaces to form chambers therebetween aligned in a horizontal plane with said channels, said lower plate having spaced openings there-



through in said dished central portion for providing communication between the interior of said dished central portion with said chambers, and means connecting said upper and lower plates.

2,560,985
LOUNGE CHAIR
John Gordon Rideout, Chagrin Falls, Ohio, assignor to Gendron Wheel Company, Perrysburg, Ohio, a corporation of Ohio
Application June 26, 1948, Serial No. 35,393
5 Claims. (Cl. 155—109)

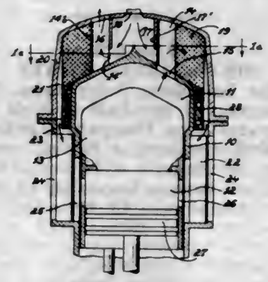


1. A lounge chair comprising a supporting standard, a back frame pivoted at one end to said standard, arm rests pivoted at one end to said back frame and extending horizontally therefrom, a leg rest frame having upwardly and rearwardly curved arms at the upper end thereof, pivotal connections between the upper ends of said curved arms and the forward end portion of said arm rests respectively, a seat frame including rods pivotally connected at opposite ends to said back frame and said leg rest frame respectively, rigid arms depending from said leg rest frame adjacent the upper end thereof, and rigid horizontal disposed extensions on said standard pivotally connected to said rigid arms, said rigid arms being relatively short and disposed substantially midway between the pivotal mounting of said rearwardly extending arms and the pivotal connection between said seat frame rods and the leg rest frame.

2,560,986
MINERAL OIL COMPOSITIONS CONTAINING PETROLEUM WAX CARBOXYLIC ACIDS
Frederick P. Richter, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application March 7, 1947, Serial No. 733,180
3 Claims. (Cl. 252—39)

1. A mineral oil containing a minor proportion, sufficient to improve the detergent properties of the oil, of a metal salt selected from the group consisting of a barium salt and a magnesium salt of a product prepared by converting wax-like aliphatic hydrocarbon mixtures originating from petroleum oil and containing from 15 to 36 carbon atoms to the molecule into a mixture of corresponding Grignard Reagents, treating the mixture of Grignard Reagents with carbon dioxide, and hydrolyzing the resulting salts with mineral acids to convert them into carboxylic acids.

2,560,987
HOT GAS MOTOR WITH CONCENTRICALLY DISPOSED HEAT EXCHANGE COMPONENTS
Herre Rinia and Franciscus Lambertus van Weenen, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee
Application August 30, 1945, Serial No. 613,524
In the Netherlands March 21, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 21, 1962
15 Claims. (Cl. 60—24)

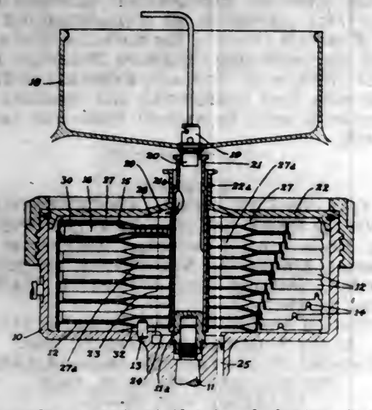


1. A hot gas engine comprising a cylinder, a hot chamber, a cold chamber, a heater having heat exchange surfaces, and a regenerator, said heater and regenerator being arranged concentrically, said regenerator surrounding substantially all of said heat exchange surfaces of said heater whereby said regenerator functions as thermal insulation in the radial direction for said heat exchange surfaces.

2,560,988
BUTYROMETER CENTRIFUGE
Gustaf Wilhelm Ruda, Stockholm, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application December 12, 1946, Serial No. 715,789
In Sweden March 1, 1945
4 Claims. (Cl. 233—26)

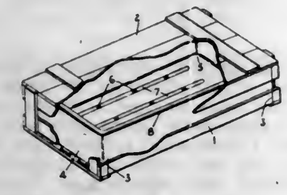
1. In combination with a centrifugal bowl, a tube holding rack in the bowl including a plurality of superimposed plates defining pockets for receiving test tubes, the plates having liquid flow passages extending through generally horizontal surfaces of the plates for serial flow of liquid through the pockets, the bowl having inlet and outlet openings for flowing a liquid into the bowl, through the passages and pockets, and out of the bowl, and a plurality of radial conveying elements extending from the rack to the upper wall of the bowl and from the rack to the lower wall of the bowl, said elements defining upper and lower channels communicating with said openings, respectively, and also with said passages, said conveying elements including wings secured to the uppermost plate of the rack and extending substantially radially with respect to the rotation axis of the bowl, said elements acting to

bring about correspondence between the angular speed of the liquid flowing through the bowl and



the angular speed of the bowl during the centrifuging.

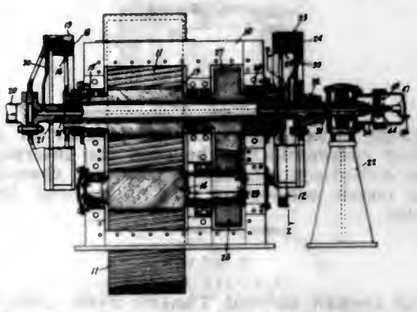
2,560,989
METAL-LINED CRATE
Cyril Walter Saunders, Dairycoates, Hull, England, assignor of one-half to Hull Merchants Amalgamated Box Company Limited, Dairycoates, Hull, England, a British company
Application December 1, 1947, Serial No. 789,049
In Great Britain December 12, 1946
4 Claims. (Cl. 217—3)



1. A reusable shipping container for iced fish or other perishable food products adapted to be stacked with similar containers in transit comprising a flat rectangular slotted wooden crate, a removable open topped rectangular sheet metal inner container sized to fit snugly within said crate and forming a reinforcing lining therefor, said inner metal container having drainage openings in the bottom thereof, said crate including a flat lid having an imperforate sheet metal liner which forms a cover for the inner container when the lid is in closing position on the crate, whereby liquid drained from the inner metal container will run off over the outside of lower containers in a stack thereof.

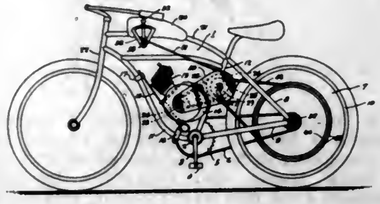
2,560,990
POWER TRANSMISSION
Walter P. Schmitter, Wauwatosa, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 28, 1946, Serial No. 700,085
2 Claims. (Cl. 74—665)

1. In a power transmission the combination of a driven gear, a plurality of pairs of driving pinions meshing with said gear, a separate driver for each of said pairs of pinions, each driver being aligned with one pinion of a pair, a shaft driven by each of said drivers and extending through the pinion with which it is aligned, a clutch at one end of each of said shafts operable to connect one of said drivers to the aligned pinion for rotation therewith to thereby effect rotation of said driven gear in one direction, a



gear train connected in driving relation with the other pinion of each pair, and a clutch at the opposite end of each of said shafts operable to connect the latter in driving relation with one of said gear trains and to thereby effect operation of said driven gear in an opposite direction.

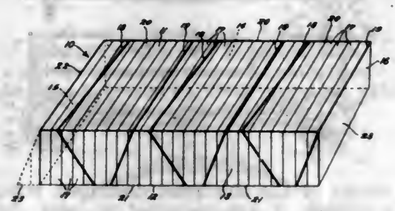
2,560,991
VARIABLE-SPEED DRIVE
Henry A. Schuricht, Maywood, Calif., assignor to Whizzer Motor Company, Inc., Pontiac, Mich., a corporation of Delaware
Application October 16, 1944, Serial No. 558,865
7 Claims. (Cl. 74—217)



1. A motor bicycle comprising a resiliently mounted motor capable of moving with respect to the frame of the bicycle, a transmission comprising a driven belt adapted to be driven by a pulley on the motor, a driving belt adapted to drive a wheel of the bicycle, and a double pulley for connecting the belts pivotally mounted on the motor, the location of the pivot of the double pulley being about in line with an extension of the axis of the driving belt whereby to minimize the effect upon the tension thereof of the pivotal movement, and the relative movement of engine and frame, and means to pivot the double pulley by small steps toward the engine pulley to effect a change of speed, whereby the driving belt is kept in extended position as the distance between the motor pulley and the double pulley is reduced.

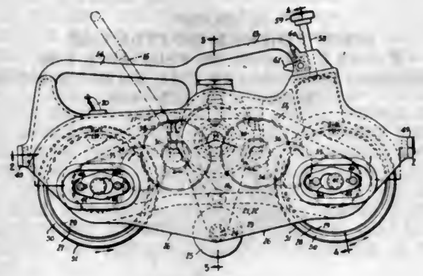
2,560,992
METHOD OF MAKING LAST BLOCKS
Robert H. Schlueter, Cincinnati, Ohio, assignor to Vulcan Corporation, Cincinnati, Ohio, a corporation of Ohio
Application October 24, 1946, Serial No. 705,392
4 Claims. (Cl. 144—309)

1. The method of making pairs of last blocks which consists of shaping a piece of stock into the form of a parallelepiped having a width approximating the length of the last blocks to be cut therefrom and a length dimension less than the total measurement of the said blocks across their greatest widths, passing a plurality of non-intersecting cuts laterally through the stock, one set of cuts lying in equally spaced planes oblique with respect to the longitudinal edges of the



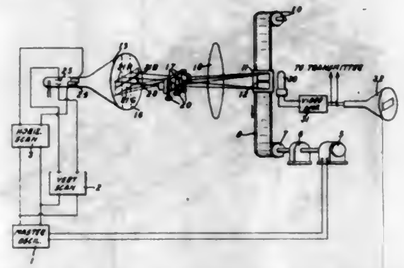
stock, the end cut of said set passing through a lateral edge of the stock, and the remaining set of cuts alternating with the first mentioned set and lying in oppositely inclined, equally spaced planes, oblique with respect to the longitudinal edges of the stock and angularly disposed relative to the lateral edges of the stock, and then securing together the end blocks so formed with their outer vertical surfaces in face abutment.

2,560,993
PORTABLE COMBINED WAXING AND POLISHING MACHINE
Melville Sears, Ridgefield Park, N. J.
Application October 1, 1946, Serial No. 701,029
2 Claims. (Cl. 15—98)



1. In a surface treating machine, a casing having an open bottom, a pair of spaced surface treating drums disposed in and dependent from the casing and adapted to be brought into contact with the surface to be treated, a pair of spaced dependent pedestal hanger arms in said casing, a motor within said casing and supportingly connected thereto, and supported by said hanger arms, a shaft supported between the lower extremities of said hanger arms, drive means for connecting the motor to the drums, side walls to said casing having downwardly sloped central portions, a surface-contacting roller disposed transversely of the casing on said shaft and between said side walls at their lowest point, said roller adapted to rest on the surface to be treated with the drums normally off the surface whereby the casing may be tipped either way to bring one or the other drum into contact with the surface, said drums being readily removable from said casing.

2,560,994
SCANNING SYSTEM FOR MOTION PICTURE FILMS
George E. Sleeper, Jr., Berkeley, Calif., assignor to Color Television, Inc., San Francisco, Calif., a corporation of California
Application April 5, 1948, Serial No. 18,993
2 Claims. (Cl. 178—5.4)

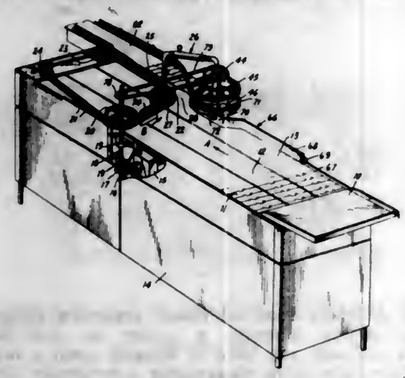


1. A flying-spot television scanning device of the variety wherein a raster on the target of a cathode ray tube is imaged upon a motion picture film strip comprising a centrally divided film gate having two windows and located in the path of the light rays passing between the tube image raster area and the film, said windows each having an aspect ratio such that its long dimension is proportional to the long dimension of the image which is to be produced to simulate the film frame, and such that each of its shorter dimensions is proportional to the second dimension of the image to be produced to simulate the film frame, drive mechanism for moving the film through the film gate at constant speed such that n film frames pass completely through the gate per second; deflecting means for deflecting the cathode ray beam in bidirectional paths at substantially different rates such that the beam motion in the rapid direction is at n times the number of lines scanned per image and the motion in the slower direction is at a rate corresponding to the film frame advance rate of n; a light translating element connected to respond to the varying intensities of light and shadow on the film as reflected thereby during tracing of the film by the image of the raster presented thereto through the window of the film gate; an optical system for directing the light of the raster to the continuously moving film through the windows of the film gate so that the film is scanned while passing through the film gate at a rate such that each film frame is scanned $2n$ times during each passage through the complete gate; and means provided between the central division of the film gate windows for suppressing the scanning effect of the beam forming the raster as it scans the film frame within the film gate.

2,560,995
CONVEYER FEEDING APPARATUS
John W. Stiles, New York, N. Y.
Application July 6, 1949, Serial No. 103,233
15 Claims. (Cl. 198—32)

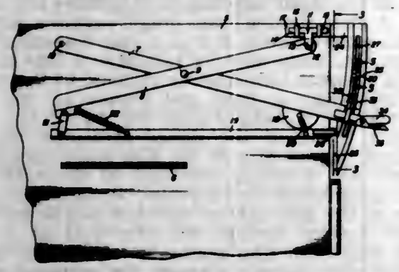
1. In a conveyor feeding unit, forwardly moving belt conveyor means, a discharge gate at a predetermined discharge side of the conveyor means, a guide belt, a plurality of pulleys operatively supporting said guide belt and including a discharge pulley adjacent the said discharge side, said guide belt having a rear operative portion disposed generally transversely across a portion of the said belt conveyor means and mov-

able towards its discharge side, a friction wheel over said discharge side rearwardly of the discharge gate and spaced from the discharge pulley to form therebetween a discharge entrance, the facing portions of the discharge pulley and friction wheel which flank the discharge entrance rotating in opposite directions, said discharge entrance comprising a relatively narrow



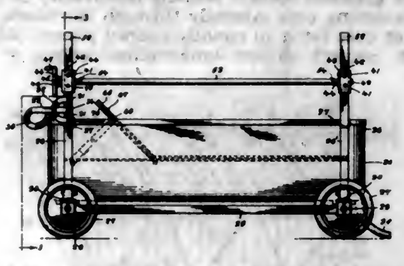
throat region flanked rearwardly and forwardly by respective converging and diverging paths, said throat region being defined by the most proximate portions of the friction wheel and discharge pulley, and said paths being defined by the respective portions of the friction wheel and discharge pulley on opposite sides of said throat region.

2,560,996
GAUGE FOR RIPSAWS
Reuben Stone, Hawkins, Wis.
Application January 26, 1950, Serial No. 140,571
2 Claims. (Cl. 143—175)



1. A saw gage for a saw table comprising a gage bar adjustable laterally over the table and relative to the saw, an end roller on said bar riding against one edge of the table to guide said bar during lateral adjustment thereof, a lazy tongs for adjusting said bar comprising a pair of arms pivoted together in crossed relation with one end of one arm pivoted to said table and one end of the other arm pivotally and slidably connected to the table whereby said lazy tongs is operated to move the other ends of said arms toward and from each other respectively, and means connecting said bar to said other ends of said arms for adjustment in opposite directions by movement of said other ends toward and from each other, said means compensating for movement of said other ends relative to said bar and comprising coil springs exerting tension against the bar in a longitudinal direction to pull the roller against said edge of the table.

2,560,997
HOSPITAL BED PATIENT BATHTUB CHAIR
Floyd O. Thompson, Sedro Woolley, Wash.
Application February 21, 1947, Serial No. 729,968
1 Claim. (Cl. 4—185)



A device of the character described, comprising a chassis, a tub mounted on said chassis, means on said tub coacting with said chassis to prevent said tub from slipping from said chassis, uprights on said chassis, gear housings mounted on the upper ends of said uprights, U-shaped frames comprising two vertically disposed parallel portions and a cross member joining said portions at their upper ends mounted in said housings, racks formed on the inner opposed longitudinal edges of said portions, gear means in said housings intermediate of said parallel portions, adapted to engage said racks, shafts for said gears, means on said shafts for rotating said gears to raise and lower said U-shaped frames, means carried by said housings adapted to engage said racks to retain said frames in fixed relation to said uprights and a rectangular shaped frame secured to the lower ends of said portions.

2,560,998
DROP FORMER BOTTLE CAP
Robert L. Thonen, St. Petersburg, Fla.
Application September 27, 1946, Serial No. 699,839
2 Claims. (Cl. 222—420)



1. The combination with an externally threaded bottle neck having on its open upper end a drop forming closure comprising a cap comprising a top having a depending sidewall having internal screw threads engaged with the external threads of the bottle neck, said sidewall being formed with a lateral opening therethrough immediately below the underside of the top of the cap, a disk loosely positioned within said cap, said disk being of sufficient area to close the open upper end of the bottle neck when compressed thereon, a radial extension on said disk projecting loosely through said opening and beyond the sidewall of said cap, said cap being normally screwed down upon the bottle neck in a closed position wherein the underside of the cap top is forcibly engaged with the upper side of said disk and the disk is thereby depressed into closing relation to the open upper end of the bottle neck, said cap being arranged to be screwed

upwardly on said bottle neck from the closed position to another position in which said disk is freed from closing relation to the open upper end of the bottle neck and said radial projection is loose in said sidewall opening whereby upon tilting the bottle neck in the direction of said projection liquid present therein can flow through said opening and along said projection to drop therefrom.

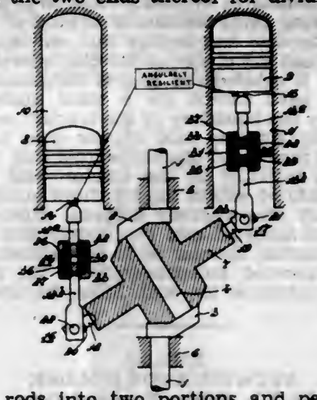
2,560,999
VEHICLE SPRING SUSPENSION
Milvoy Unzeitig, Cedar Rapids, Iowa
Application February 24, 1950, Serial No. 145,929
1 Claim. (Cl. 267—29)



In combination with a semielliptical vehicle leaf spring having shackle bolt receiving formations disposed one at each end thereof, means for increasing the bow of said leaf spring comprising a pair of brackets applied one to each end of said spring and each comprising a length of flat metal stock having at one end a rounded hook formation fitting over the corresponding shackle bolt receiving formation and having intermediate its length a rounded portion provided with an elongated aperture and a leg projecting from said rounded portion at an angle to the portion of said bracket between said hook formation and said rounded portion and engaging the under side of said leaf spring at a location spaced from the corresponding shackle bolt receiving formation, partly cylindrical abutment blocks disposed one in the rounded portion of each bracket and each having an aperture therethrough, hooks having screw threaded shanks extending one through the aperture in each bracket and the aperture in the associated abutment block, nuts adjustably threaded onto said shanks at the sides of said abutment blocks remote from the rounded portions of the corresponding brackets, and a coiled tension spring disposed between said hooks and connected at its ends to the latter to apply a bow increasing force to the ends of said leaf spring, said bearing blocks providing freedom of swinging movement of said hooks relative to said brackets during flexing of said leaf spring.

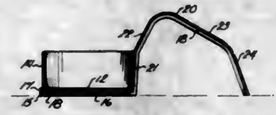
2,561,000
WOBBLER DRIVE MECHANISM
Franciscus Lambertus Van Weenen and Willem Hendrik Stigter, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 15, 1946, Serial No. 683,678
In the Netherlands February 21, 1946
3 Claims. (Cl. 74—60)

1. A piston device comprising a wobbling-disc driving mechanism, a plurality of piston masses each reciprocable along the respective center line thereof, a plurality of driving rods each of a substantially rigid construction in the axial direction and each operatively connected at one end thereof to an associated one of said reciprocable piston masses by a laterally resilient means for allowing that each of said connecting rods may assume an angle relative to the said center lines of each of said piston masses, respectively, a plurality of universal joint means each coupling said wobbling-disc to the other end of each of said plurality of driving rods, and each of said rods comprising a plurality of other means each located between the two ends thereof for dividing each



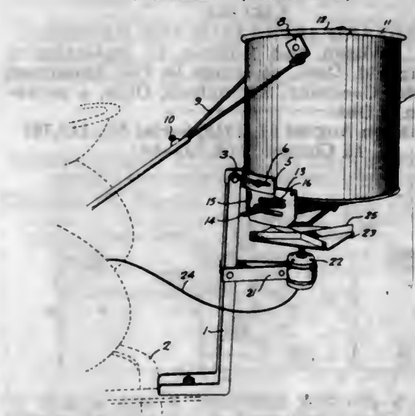
of said rods into two portions and permitting relative bodily rotational movement between said two portions.

2,561,001
MANICURE BOWL AND STAND ASSEMBLY
Virginia M. Ward, San Antonio, Tex.
Application October 15, 1948, Serial No. 54,795
4 Claims. (Cl. 132—73)



1. A manicure bowl-and-stand assembly comprising a shallow bowl open at its upper end and having a flat bottom wall and an annular side wall marginally joined to said bottom wall and upstanding therefrom, and a stand separate from said bowl and including a flat, bowl-supporting base having a marginal flange receiving the bottom end of said bowl, and a rest extending successively upwardly, outwardly and downwardly from the edge of said base.

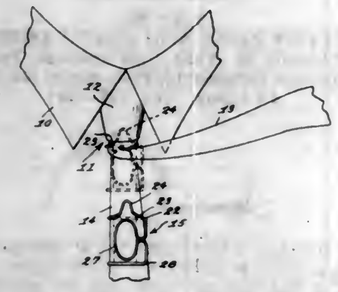
2,561,002
TRACTOR-MOUNTED BROADCAST SEEDER
Charles E. Weeks, Union, Ohio
Application August 20, 1947, Serial No. 769,699
3 Claims. (Cl. 275—8)



1. A tractor mounted broadcast seeder including a horizontally disposed rotary distributing

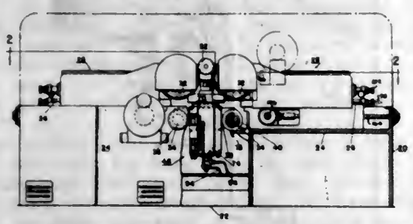
disc divided over its entire face into quadrants formed by ribs, a seed hopper presenting a discharge opening in overlying relation to said disc, said opening being positioned forward of the center of the disc and nearer the rear end of the tractor than the center of the disc whereby when the disc is rotated the seed is distributd over a circular path except for a blind angle represented by the boundary of the tractor, means for adjustably rotating said hopper over a limited range to move said opening across said disc in a direction laterally of the tractor, said opening being confined within the two front quadrants of the rotary disc whereby different types of seed are accommodated and the distribution thereof over a limited circular path is maintained, and means operated independently of the opening-moving structure for controlling the size of the opening.

2,561,003
NECKTIE KNOT HOLDER
Cecil L. Wilson, Portland, Oreg.
Application July 30, 1948, Serial No. 41,583
1 Claim. (Cl. 24—49)



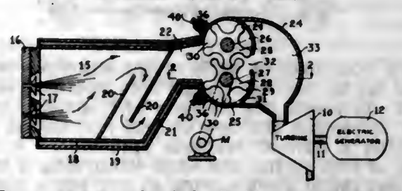
A knot-holding device for a four-in-hand necktie having a knot and depending free ends comprising a length of resilient wire bent upon itself defining a C-shaped rear clasp element, an oval front clasp element connected to the free ends of said C-shaped element clampingly engageable therewith for clamping engagement on one end of said tie, and an upwardly-convergent wedge member above said oval element extending upwardly above said C-shaped element for engagement in the knot.

2,561,004
METHOD AND APPARATUS FOR GRINDING
John C. Wilson and William G. Baldenhofer, Springfield, Ohio, assignors to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application August 27, 1949, Serial No. 112,708
15 Claims. (Cl. 51—84)



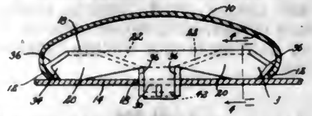
1. In a grinding machine; a bed, a pair of grinding wheels supported on said bed, said wheels being spaced and having grinding surfaces thereon running in alignment on opposite sides of the space therebetween the axes of rotation of said wheels being co-planar, a carriage movable at an angle to the direction of alignment of said surfaces and in a plane midway between said axes; a dressing unit and a workpiece supporting unit movable on said carriage in said plane and adapted for selective operative alignment with said wheels by movement of said carriage, means for moving said wheels relatively on said bed to vary the distance therebetween, and means for moving said carriage and units to place workmembers on the units in operative alignment with said wheels.

2,561,005
GAS TURBINE
William L. Wuehr, Port Arthur, Tex.
Application April 19, 1947, Serial No. 742,493
7 Claims. (Cl. 60—42)



1. In a power plant including a combustion chamber for the generation of products of combustion under pressure and a turbine, a rotary pump connected to the outlet of said combustion chamber for delivering measured charges of gaseous products of combustion therefrom, a fluid connection to said pump for the delivery thereto of aqueous fluid for admixture with said measured charges of the gaseous products of combustion in said pump, and a connection between said pump and said turbine for the delivery of the products of combustion and aqueous fluid from said pump to said turbine.

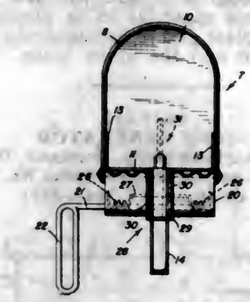
2,561,006
STAMPED SHEET METAL MOLDING CLIP
David H. Waara, Detroit, Mich., assignor to Robert L. Brown, Ferndale, Mich.
Application July 17, 1946, Serial No. 684,224
3 Claims. (Cl. 24—73)



1. A fastener comprising, spaced end sections, lateral strips connecting said end sections and extending in a plane at right angles to said end sections, said strips being inwardly offset relative to the lateral edges of said end sections, downwardly extending flanges carried by the offset portion of said strips adapted to be received in an opening in a supporting member to which the fastener is to be applied, a central strip connecting said end sections diverging centrally and upwardly from the plane of said end sections, and an enlarged portion carried by said central strip.

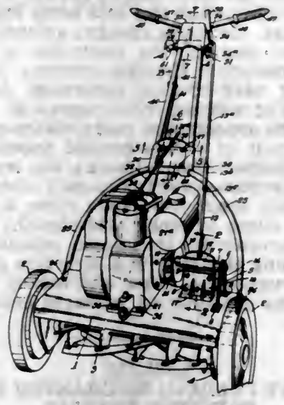
2,561,007
MAILBOX WITH TRANSPARENT AUXILIARY RECEPTACLE
Carl William Bierig, Joplin, Mo.
Application November 21, 1947, Serial No. 787,343
1 Claim. (Cl. 232—17)

In a rural-type mailbox, a box proper, said box being constructed to permit access to be had to the interior and including a stationary bottom, said bottom being provided centrally with a longitudinal mail slot, a frame attached to and depending rigidly from the underside of said bottom in alignment with said mail slot, and spaced parallel glass panels mounted in said frame, said



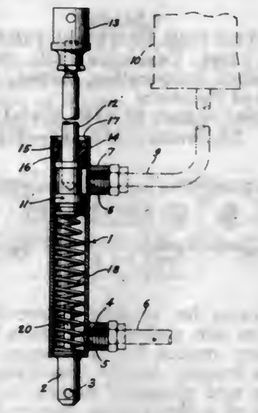
frame, glass panels and bottom being interconnected in weathertight relationship to provide a receiver for outgoing mail, whereby mail placed in said receiver by way of said box may be clearly seen, from both sides of the receiver, by a mail carrier at a relatively distant point.

2,561,008
HANDLE FOR LAWN MOWERS AND THE LIKE
Milford D. Burrows and Eugene L. Boyce, Chicago, Ill., assignors to Pioneer Gen-E-Motor Corporation, Chicago, Ill., a corporation of Delaware
Application February 28, 1949, Serial No. 78,743
4 Claims. (Cl. 74—488)



1. In a handle structure for lawn mowers and the like, a bow portion having ends adapted to be secured to the opposite sides of the chassis of a lawn mower, and a handle portion having tubular side elements, a plate secured to said bow portion and a plate secured to said handle portion, said plates being formed to abut and having therein matching apertures adapted to receive securing elements whereby, when the securing elements are inserted, the bow portion and the handle portion constitute a solid unit, the plate on said bow portion having its edges formed to receive and partially surround said tubular side elements in pressure contact therewith at substantially all points on said edges.

2,561,009
HYDRAULIC BRAKE MASTER CYLINDER
Clifton A. Byers and Paul C. Clugh, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application October 29, 1947, Serial No. 782,934
9 Claims. (Cl. 60—54.6)



9. In combination a cylinder, a piston slidably mounted in the cylinder, a rubber O-ring carried in a groove in the piston, the side walls of the groove being formed with apertures therethrough in a direction substantially parallel to the axis of the piston and with the apertures being substantially in axial alignment with each other to enhance fluid flow, the apertures in a side wall being covered by the O-ring when it moves against that side wall.

2,561,010
PREVENTION OF FOGGING OF TRANSPARENT PACKAGES
Clarence M. Carson, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application November 13, 1946, Serial No. 709,417
6 Claims. (Cl. 206—45.31)

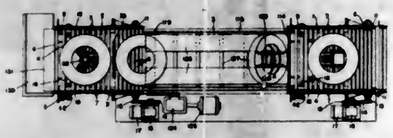
4. A package which contains a water-emitting material and is formed of transparent rubber hydrochloride wrapping film which has at the inner surface thereof sufficient non-toxic, tasteless and odorless, hydrophilic, long-chain polyoxyethylene ether of palmitic acid partial ester to cause water condensate formed thereon to spread over the surface of the film.

2,561,011
NONFOGGING RUBBER HYDROCHLORIDE FILM AND METHOD OF MAKING IT
Clarence M. Carson, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application July 13, 1949, Serial No. 104,595
6 Claims. (Cl. 260—735)

1. The method of producing a non-fogging film of rubber hydrochloride which comprises adding one to ten per cent (based on the weight of the rubber hydrochloride) of a polyethylene glycol ester of an aliphatic acid of twelve to twenty carbon atoms to a solution of rubber hydrochloride in benzene, the polyethylene glycol having a molecular weight of 400 to 4000 and

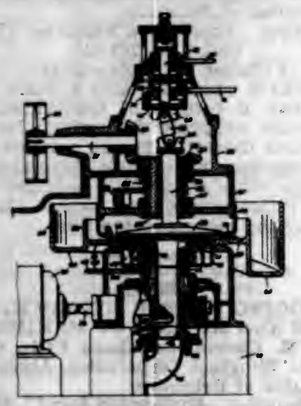
being used in an amount in excess of that which will dissolve in the final film product, casting the solution as a film and evaporating the benzene to produce film which is substantially .0008 to .002 inch thick, whereby the ester forms a bloom on the surface of the film product.

2,561,012
APPARATUS FOR VENTING TIRE CASINGS
Harold H. Clark, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application March 26, 1949, Serial No. 83,734
20 Claims. (Cl. 164—90)



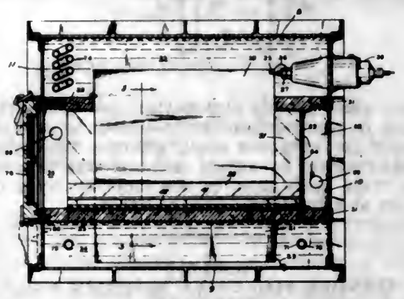
1. Apparatus for venting automobile tire casings and the like, embodying means for receiving a tire casing, means for positioning and engaging a tire casing, means associated with said positioning and engaging means to pierce vents in the side of a tire casing, means for releasing the casing when pierced, means for reversing a tire casing upside down onto a conveyor means to carry said tire casing to a second apparatus embodying means corresponding to the above-recited means to pierce vents in the opposite side of a tire casing, and means associated with the second apparatus to discharge said tire casing.

2,561,013
APPARATUS FOR THICKENING PULP
James T. Coghill, Fairport, and Howard H. Langdon, Rochester, N. Y., assignors to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of Delaware
Application September 6, 1947, Serial No. 772,488
20 Claims. (Cl. 92—26)



2. In a machine for extracting liquid from a fibrous material, a perforated drainage plate, an inlet through which a slurry of the material may be fed over said drainage plate, a sweep arm arranged to scrape from the drainage plate the thickening material deposited on the drainage plate on relative movement between the sweep arm and plate, said sweep arm having its upper face inclined upwardly and rearwardly with reference to the path of relative movement of the arm and drainage plate, an upper working plate having a working surface spaced a slight distance above the upper face of the sweep arm and so disposed to the said upper face that the two surfaces converge rearwardly of the sweep arm, and means for effecting relative movement between the sweep arm and the two plates to cause thickened material to be displaced from the drainage plate and to be compressed between the sweep arm and the upper plate.

2,561,014
OZONE GENERATOR
James Marlowe Daily, Portland, Oreg.
Application August 1, 1947, Serial No. 765,557
11 Claims. (Cl. 204—322)

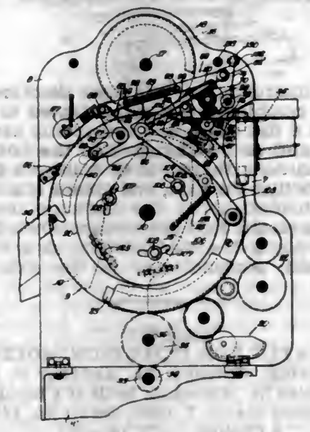


1. An ozone generator comprising a casing having an air inlet and an air outlet, a pair of sets of electrodes mounted within said casing, means supporting corresponding electrode sets by oppositely disposed ends thereof, said electrodes being of relatively large surface area, the electrodes of one set being interposed in an overlapping relation with the electrodes of the other set, adjacent electrodes of the two sets being spaced uniformly apart, dielectric sheaths extending closely adjacent each of the electrodes of the two sets, said dielectric sheaths covering the facing surfaces of each of said electrodes throughout the region of overlap with respect to the electrodes of the opposite set, said sheaths each comprising a pair of sheets bonded together along one longitudinal edge adjacent the free end of the corresponding electrode, said sheets being spaced freely apart from each other around the remaining edges whereby said sheaths are each slidably movable in transverse relation to the corresponding electrode in a direction parallel to said one longitudinal edge, and means including said sheaths defining air passages between said electrodes.

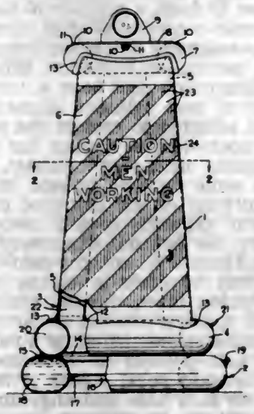
2,561,015
SHEET FEEDING MECHANISM FOR PRINTING PRESSES
William Ward Davidson, Evanston, Ill., assignor, by mesne assignments, to Davidson Corporation, a corporation of Illinois
Application December 31, 1948, Serial No. 68,458
6 Claims. (Cl. 271—53)

1. In a printing press having a pair of printing cylinders forming a printing couple, the combination of feed roll means for feeding a sheet toward said printing couple comprising lower idler feed roll means, and upper feed roll means, pivotally mounted frame means for rotatably supporting said upper feed roll means above said lower feed roll means, rocking means for rocking said frame in timed sequence with rotation of one of said printing cylinders for

moving said upper feed roll means into operative and inoperative sheet driving positions with respect to said lower feed roll means, stop finger means mounted on said upper feed roll means for rotation therewith, said stop finger means being disposed in the path of travel of a sheet toward said printing couple in the said inoperative position of said upper feed roll means, and drive means between one of said printing cylinders and said upper feed roll means operable upon actuation of said rocking means disposing said upper feed roll means to its operative sheet driving position with respect to said lower feed roll means to rotate said upper feed roll means, and said upper feed roll means upon rotation thereof disposing said stop finger means to a position out of the path of travel of the sheet, whereby the sheet between said feed roll means is caused to be fed toward said printing couple.

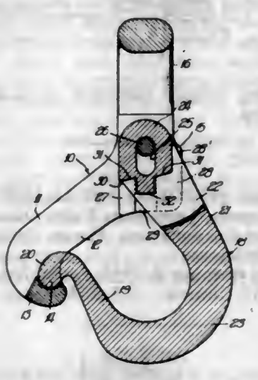


2,561,016
SAFETY STANCHION
Charles J. Ford and Ralph L. Miller, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application March 17, 1950, Serial No. 150,312
6 Claims. (Cl. 40—125)



1. A safety stanchion comprising a base portion; means on the base portion for the introduction of a weighting fluid to the base portion; a supporting structure disposed normal to the base portion and supported thereby, said supporting structure embodying a plurality of generally tubular elements of rubberized fabric construction and being joined together for fluid inflation; and means on at least one of the tubular elements for the introduction thereto of an inflating fluid.

2,561,017
SAFETY HOOK
Charles K. Garrison, Chicago, Ill., assignor to Chicago Steel Foundry Company, Chicago, Ill., a corporation of Maine
Application July 8, 1949, Serial No. 103,665
2 Claims. (Cl. 24—232)

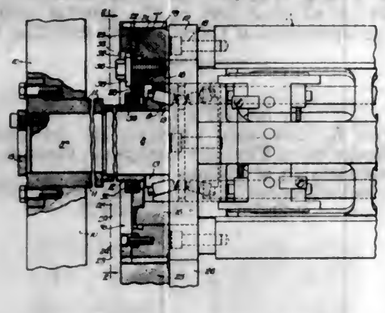


1. A safety hook construction of the type characterized by a clevis and a hook element floatingly mounted on said clevis by a connection enabling vertical translational shifting and pivotal swinging of said hook element on said clevis, in which said clevis is provided with a vertically extending socket positioned in vertical alignment with said connection and said hook element is provided with a lug disposable in and removable from said socket by said vertical translational movement, thereby to enable said pivotal swinging of said hook element when the lug is removed from the socket, said socket extending through the material of the clevis and being open at the top and bottom to render the same self-cleaning, said clevis and hook element having abutment surfaces laterally adjoining said socket and lug respectively which are in vertical load transmitting engagement when said lug is operatively disposed in said socket.

2,561,018
GEARED ADJUSTMENT MEANS
Harold W. Gegenheimer, Mystic, Conn., assignor to Electric Boat Company, Groton, Conn., a corporation of New Jersey
Application August 17, 1948, Serial No. 44,656
11 Claims. (Cl. 74—395)

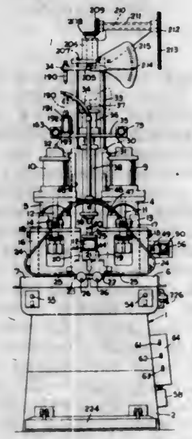
2. In a printing press cylinder, a shaft, a cylinder body structure mounted on said shaft for rotation thereabout, a ring gear coaxial with and seating on said body structure, and clamp means releasably securing said ring gear to said body structure comprising an annulus abutting the cylinder body structure disposed in concentric spaced relation to said ring gear and pressure applying means engaging said ring gear and annulus and including members passing between said ring gear and annulus and connected to said cylinder body structure for relative movement

toward and away from the latter, said ring gear and annulus defining between them an annular



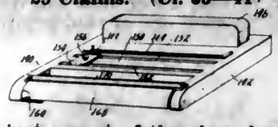
space opening axially outward of said cylinder body structure.

2,561,019
TUBE SPLICING APPARATUS
Everett D. George, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application October 8, 1949, Serial No. 120,337
17 Claims. (Cl. 154—9)



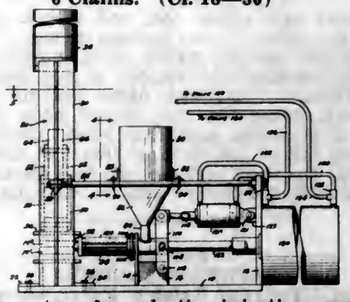
1. Tube splicing apparatus comprising a frame; means on the frame for supporting the ends of the tube stock to be spliced; clamping arms for holding the ends of the stock in position on the supporting means; cutting means for trimming the stock; means for actuating the cutting means to trim the ends of the stock; slide members on the frame for supporting the clamping arms in reciprocable relation to the supporting means; members for actuating the slide means; a releasable latching element for holding the slide member with which it is associated adjacent that extremity of its path of travel remote from the supporting means; a stop on the slide member cooperating with the latching element to prevent the unauthorized movement of the several clamping arms and to limit the travel of the cutting means in the direction of the supporting means; and means for controlling the operation of the latching element.

2,561,020
INSTRUMENT FOR MEASURING, INTERPOLATING, AND THE LIKE
Heinz Joseph Gerber, Hartford, Conn., assignor to The Gerber Scientific Instruments Company, Hartford, Conn., a corporation of Connecticut
Application May 20, 1946, Serial No. 671,019
25 Claims. (Cl. 33—41)



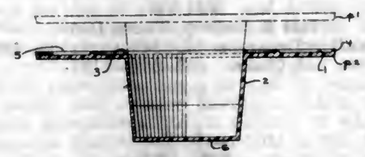
21. An instrument of the class described comprising in combination, a base adapted to be supported on a flat surface, a coil spring carried by the base and so positioned that the bottoms of the convolutions thereof may engage a flat surface supporting the base, and means enabling the spring convolutions at the bottoms thereof to draw lines on the said flat surface when the base is moved along the said surface in a direction substantially perpendicular to the axis of the spring.

2,561,021
APPARATUS FOR INJECTION MOLDING
Fred A. Groth, Chicago, Ill., assignor to himself and Stanley M. Whitehill, both of Chicago, Ill.
Application March 7, 1950, Serial No. 148,025
6 Claims. (Cl. 18—30)



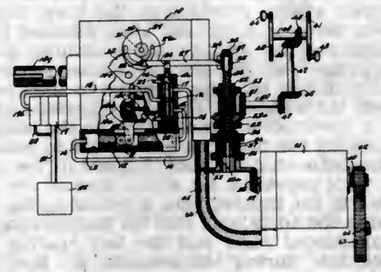
4. Apparatus for plastic injection molding comprising a base having a pair of separable mold sections thereon, the meeting faces of said mold sections having depressions therein which form a mold cavity when the mold sections are held together to form a mold, said mold sections having a frusto-conically shaped opening on one side and a passageway extending from said opening to said cavity, an injection cylinder reciprocally positioned on said base, a tapered nozzle on one end of said cylinder aligned with said opening and adapted to engage the same during a molding operation, a hopper for introducing plastic material into said cylinder, means for moving the same forward in said cylinder, said means comprising an air actuated piston reciprocal in said cylinder, means associated with said cylinder for heating a forward portion of the same and means for moving said cylinder forward to permit its nozzle to engage said opening while said piston moves heated plastic material through said opening into the cavity of said mold, said last named means including a yoke engaging the end of said cylinder to move the same forward, pins on said yoke, a pair of links pivoted at one end on said base and engaging said pins, and an air cylinder mechanism connected to the other end of said links for actuating the same, said piston extending through said yoke whereby said cylinder and said piston move forward along the same center line.

2,561,022
REFRESHMENT PLATE
Ethel C. Jones, Chicago, Ill.
Application February 8, 1949, Serial No. 75,278
2 Claims. (Cl. 65—15)



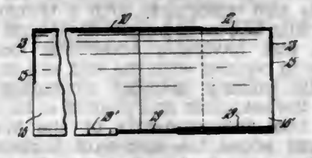
1. As a new article of manufacture, a refreshment plate for individual use, said plate being formed of a plastic and comprising a shelf member flat throughout its extent and having an upwardly extending peripheral flange, a downwardly tapering well member extending a material distance below said shelf member and flange and having at its upper end a peripheral extension projecting above the upper face of said shelf member, said well member being closed at its lower end by a wall providing a flat supporting surface, and reinforcing ribs extending from said extension tangent thereto across the upper face of said shelf to said flange, said ribs being integral with said extension and shelf and flange and curved lengthwise and defining between them compartments for edibles.

2,561,023
ROTARY PUMP AND MOTOR HYDRAULIC TRANSMISSION WITH AUTOMATIC SPEED CONTROL MEANS
Garold A. Kane, Minneapolis, Minn., assignor to The Northern Pump Company, Minneapolis, Minn., a corporation of Minnesota
Application August 5, 1940, Serial No. 351,474
9 Claims. (Cl. 60—53)



3. A control device having in combination, a hydraulic motor, a variable stroke pump for supplying liquid to and for driving said motor, fluid operated means for moving an element of said pump for changing the stroke of said pump, a valve for controlling said means, a lever for actuating said valve and connected thereto, a member connected to one end of said lever, a manually-operated means for moving said member in one direction, means driven from said motor for moving said member in the opposite direction, and a connection between said lever and element for moving the portion of said lever connected to said valve with a movement which varies from a linear movement.

2,561,024
SHADE COVER
Arthur H. Le Blanc, Springfield, Mass.
Application November 22, 1949, Serial No. 128,731
2 Claims. (Cl. 160—21)



1. A cover for a window shade on a roller provided with outwardly extending trunnions at opposite ends thereof comprising in combination, a pair of elongated cover sections formed from relatively thin rigid sheet material to the shape of U's having upper transverse walls and transversely spaced front and rear side walls depending therefrom, said cover members being in telescoping sliding engagement to provide a cover of various lengths, end walls secured to the outer ends of the walls of said sections having slots extending upwardly from lower edges thereof whereby the cover may be disposed above and at forward and rear sides of a shade and roller with the upper sides of the slots resting on said trunnions, a side wall of one of said sections provided with an elongated tube and a corresponding wall of the other section having a rod secured thereto which is slidable in said tube.

2,561,025
BRUSH OF THE PUSH BROOM TYPE
Alfred L. Le Febvre, Windsor, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application June 7, 1946, Serial No. 675,236
17 Claims. (Cl. 15—205)

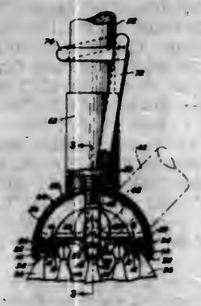


1. In a brush of the type described, the combination of a rigid extruded unitary base uniform in cross section from end to end and provided with two parallel integrally formed open-bottom grooves which are open at their ends and have downward converging side walls, and two similar brush elements each comprising a holder U-shaped in cross section and having bristles projecting downward therefrom which holder is bent to provide a connecting end portion beyond one end of the base and also to provide two parallel portions, the said parallel portions of the holders being entered endwise in the said grooves from opposite ends thereof with their ends in substantially abutting relationship and the said parallel portions engaging the downward converging side walls of the grooves to prevent relative downward movement and being firmly held frictionally by the groove walls to resist endwise withdrawal.

2,561,026
BRUSH OF THE PUSH BROOM TYPE
Alfred L. Le Febvre, Windsor, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application December 7, 1946, Serial No. 714,681
8 Claims. (Cl. 15—144)

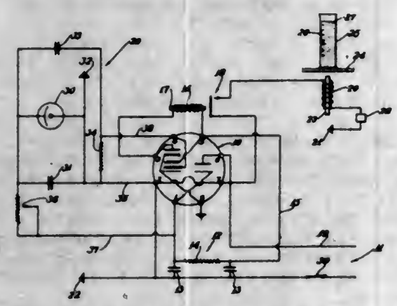
1. In a brush of the push broom type, the combination of a normally horizontal brush base having a transverse slot therein, bristles secured

to the base and extending downward therefrom, a bracket secured to the base at the top thereof and having a convex upper face which is concentric with a longitudinal horizontal axis located below the slotted portion of the base and which is also concentric with a transverse axis intersecting the said longitudinal axis, the said bracket also having a transverse slot therein which is in register with the said slot in the base, a handle holding member extending through both of the said slots and pivoted at its lower end to the base independently of the bracket for movement about the aforesaid horizontal axis,



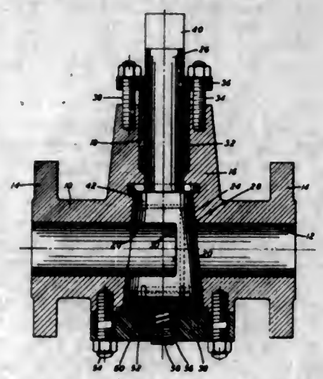
the upper end portion of the said member being threaded and being movable through the slot in the bracket, and a handle having a lower end element provided with a concave bottom face shaped to fit the convex upper face of the bracket and provided with a longitudinal threaded hole for receiving the threaded upper end portion of the holding member, the said lower end element of the handle being engageable with the convex face of the bracket and being adapted to be clamped thereto or released therefrom upon rotation of the handle relatively to the holding member.

2,561,027
VARIABLE FREQUENCY VIBRATING DEVICE
Le Roy W. Liesch, Chicago, Ill., assignor to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
Application June 11, 1949, Serial No. 98,583
6 Claims. (Cl. 318—132)



1. A device of the class described comprising a plate for supporting a sample of discrete material capable of changing its bulk density when vibrated, electro-magnetic means for vibrating said plate to vibrate said sample, and means for controlling the frequency of vibration of said electro-magnetic means comprising an electron tube, means for setting up oscillations of predetermined frequency in the grid circuit of said electron tube, and relay switch means in the plate circuit of said electron tube connected to said electro-magnetic means to electrically energize said electro-magnetic means in response to the oscillations set up in the grid circuit of said electron tube.

2,561,028
VALVE
Jim E. Looney, Tulsa, Okla.
Application December 22, 1945, Serial No. 636,744
1 Claim. (Cl. 251—113)



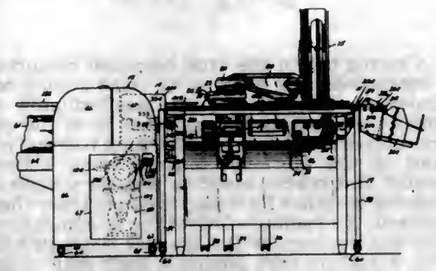
In a valve for high-pressure fluid lines, comprising a valve body having an axial passageway therethrough, a tapered bore in said body disposed at substantially ninety degrees to the axial passageway, a frustro-conical plug member disposed in the tapered bore, a vertical bore provided in the body and communicating with the tapered bore, an upstanding valve stem secured to the plug member and disposed in the vertical bore, said valve stem extending outwardly from the valve body and provided with an irregular-shaped end portion to provide ease of turning of the plug member, packing means surrounding the stem, a bonnet for the body, a packing nut carried by the bonnet for maintaining the packing in position, a transverse recess provided in the plug member and extending partially therethrough, a circular groove provided in the lower face of the plug member, a circular plate disposed below the plug member and having a circular groove cooperating with the first mentioned groove, a plurality of ball bearings disposed in the grooves between the bottom of the plug member and the plate, a lower cover plate secured to the body for maintaining the first mentioned plate in position, an adjustable stud member disposed in the lower cover plate providing for adjustment of the plug member in the tapered bore, a helical spring surrounding the adjustable stud for maintaining the first mentioned plate and the ball bearing race in position during adjustment of the plug member.

2,561,029
LOCK-GUARDING PLUG FOR KEYHOLES
George S. Mason, Long Beach, Calif.
Application August 21, 1948, Serial No. 45,552
4 Claims. (Cl. 70—428)



1. A key operable key hole guard comprising a plug proper of a generally cylindrical shape having a radially projecting locking tongue adjacent to one of its ends, said plug being diametrically reduced throughout its opposite end portion and between said two end portions having a channel around it, said plug also having a radial rise on one side of its said diametrically reduced portion, a carrier for said plug, said carrier surrounding in an outwardly spaced manner said diametrically reduced portion of said plug and fitting around said channeled part thereof, said carrier having an internal projection which enters said channel thus preventing separation of the plug and carrier while permitting them to turn in relation to each other, said carrier having a radial, longitudinally extending wing, a portion of which is positionable diametrically opposite to the aforesaid locking tongue when the device is locked within a keyhole, and a key having a handhold at one end and an open barrel at its opposite end fitting with a rotational fit within said carrier and around said diametrically reduced portion of said plug, said key having an external lug adjacent to the open end of its barrel and said carrier having an internal longitudinal groove to admit said lug and a cut-out portion for said lug to unobstruct turning of the inserted key, the plug proper carrying a wire spring with an end portion biased toward said groove, whereby the end portion will enter said groove and thus lock the plug and carrier against relative rotation when the key is withdrawn, the insertion of said key forcing said spring end out of said groove, the barrel portion of said key having a notch in its open end which, when the key is fully inserted, engages the aforesaid radial rise on the plug proper and renders the key usable to turn the plug proper to a locking position while the latter is within a keyhole.

2,561,030
SHEET FEEDING APPARATUS
Lawrence H. Morse, Mentor, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
Application April 2, 1947, Serial No. 738,842
10 Claims. (Cl. 271—3)



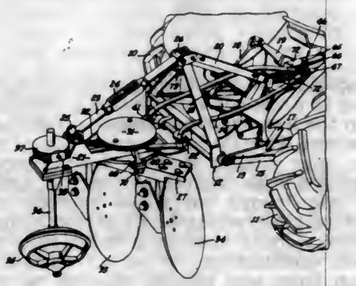
1. In a printing apparatus a printer unit to imprint sheets, a sheet advancer unit to advance sheets into and out of printing position, a sheet separator unit to separate sheets from a stack and forward them one at a time to the advancer, an independent supporting frame for each of the units, the advancer supporting frame being separable from both the printer and separator supporting frames for movement to a point remote therefrom, a pivotal connection between the separator supporting frame and the printer supporting frame whereby the separator may be swung to a position out of cooperation with both the advancer and printer, and a permanent timing and driving connection between the printer and separator, and a separable driving connection between the separator and the advancer.

2,561,031
ELECTRICAL WIRING AND CONNECTION UNIT
Robert H. Murphy, West Hartford, Conn., assignor to The Wiremold Company, Hartford, Conn., a corporation of Connecticut
Application September 26, 1947, Serial No. 776,205
9 Claims. (Cl. 173—334.1)



3. As an article of manufacture, a preassembled electrical wiring and connection unit comprising in combination, an open-front longitudinal sheet metal conduit generally U-shaped in cross section, a plurality of separate receptacles at least partly within the conduit and spaced longitudinally from each other and from the ends of the conduit, each receptacle having an insulating body with a portion projecting from the front of the conduit which body has slots in the front thereof and each said receptacle having contacts within the body adapted to be engaged by plug prongs inserted through the slots, a single connection device adjacent one end of the conduit and having transverse dimensions less than those of the conduit, the said device having at each end two wire terminals with the terminals at one end electrically connected respectively with those at the other end, means including at least one cover section serving to close the front of the conduit at the end portions thereof and between the receptacle bodies, and two longitudinal wires within the conduit and electrically connected respectively with the inner terminals on the connection device and with the contacts of the several receptacles, the said wires being of such lengths that they can respectively engage the outer terminals of the connection device of another similar unit placed with its conduit aligning with and abutting against the conduit of the first unit.

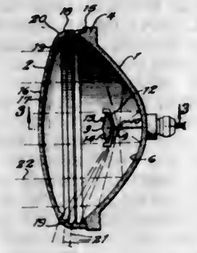
2,561,032
HYDRAULIC REVERSIBLE DISK PLOW
George R. Onfrey, Bakersfield, Calif., assignor to Phillips Foundry Company, Bakersfield, Calif., a corporation of California
Application August 9, 1949, Serial No. 109,369
9 Claims. (Cl. 97—32)



1. In combination with a tractor having an A frame and hydraulically operable means for effecting a raising and lowering of the A frame, a plow frame secured to the A frame and extending rearwardly therefrom, a plow beam swingably mounted upon the plow frame, one or more disc plows mounted upon the plow beam and adapted when the plow beam is swung to either of its extreme positions to turn furrows to the right or to the left, hydraulic rams con-

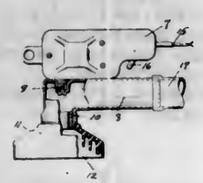
necting the plow frame and the plow beam adapted when actuated to swing the plow beam, a fluid pressure take-off from the source of hydraulic power of the tractor, and a four-way valve controlling the supply of fluid pressure to either of the rams and serving to drain the other of the rams to the transmission case of the tractor.

2,561,033
HEADLIGHT
Charles Odds, Hollywood, Calif.
Application December 2, 1950, Serial No. 198,836
7 Claims. (Cl. 313—113)



1. A headlight including a reflector, a lens for said reflector, said reflector having a parabolic cylindrical reflecting surface, and an elongated filament extending across the reflector on a line which includes the focus of the reflector.

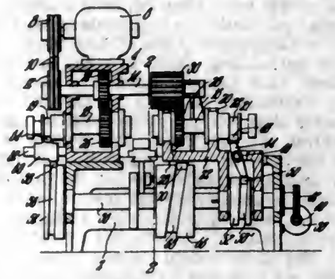
2,561,034
COMBINATION VIBRATOR AND VACUUM MASSAGE DEVICE
Emmitt J. Phillips, Los Angeles, Calif., assignor of one-third to Arlis F. Phillips and one-third to Lela J. Phillips
Application March 19, 1949, Serial No. 82,345
1 Claim. (Cl. 128—32)



A combination vibrator and suction device, including as a unitary mechanism, a vibrator to be held in the hand of the operator, a tubular member secured directly to the underside of said vibrator, said tubular member having means for attaching a hose thereto at one end, and at its other end having an elbow thereon directed downwardly therefrom and adapted to have detachably secured thereto a massaging member of open construction, to permit suction therethrough from said tubular member to which it is secured.

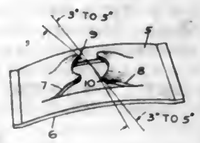
2,561,035
MACHINE TOOL
Edmund J. Robichaud, Middletown, Conn.
Application March 12, 1947, Serial No. 734,006
2 Claims. (Cl. 164—38)

1. A machine of the class described comprising in combination, a supporting structure having a housing fixed thereto, a carriage reciprocable on said supporting structure towards and away from the housing, a primary hollow spindle and a secondary hollow spindle in axial alignment and rotatable in the housing and said carriage respectively, a drive shaft rotatable in the housing and supporting structure disposed in parallelism with said spindles, separate operat-



ing means connecting said drive shaft with said spindles, means for reciprocating said carriage including a cam shaft, independently operable collet means carried by said spindles for gripping work pieces, and separate cam means operatively connecting the cam shaft and said collet means for operating the latter.

2,561,036
THREAD-CUTTING SHEET METAL NUT
Noel S. Sodders, Cleveland, Ohio
Application June 7, 1948, Serial No. 31,424
1 Claim. (Cl. 85—36)

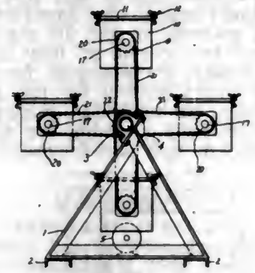


A spring nut of the type described comprising a concavo-convex member of right-angled configuration, integral aligned longitudinally extending tongues therein upstruck from the convex surface thereof, the confronting free end portions of the aforesaid tongues being helically twisted and spaced apart to provide a centrally disposed entrance for a plastic bolt to enter therebetween, the leading edges of the aforementioned free end portions of the tongues being provided with a cutting edge having a back rake of substantially three degrees adapted to cut a thread of changing pitch on the plastic bolt when turned therein in the progressive tightening operation which changes the longitudinal curvature of the nut.

2,561,037
FINISHING METHOD AND APPARATUS
William T. Stanley, Gates Mills, Ohio
Application August 14, 1945, Serial No. 610,741
2 Claims. (Cl. 51—164)

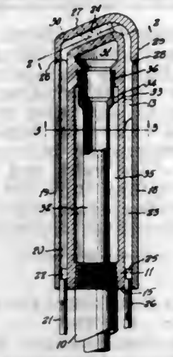
1. A machine comprising a base, horizontally arranged bearings carried by said base, a horizontal shaft rotatably mounted in the bearings, an electric motor connected to said shaft, supporting arms fixed to the shaft, stub shafts journaled in the ends of said arms, driving connections between some of said stub shafts and the base, and a

plurality of containers pivotally supported on said stub shafts and rotatable therewith, the contain-



ers and stub shafts having telescopically engaging non-circular portions.

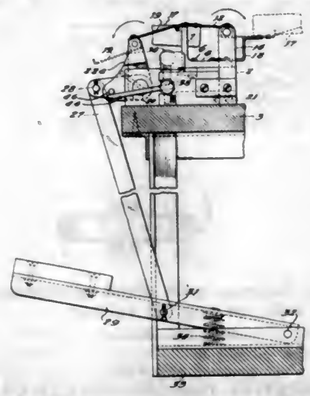
2,561,038
WATER-COOLED GENERATOR SPRAY NOZZLE
Percy L. Symons, Portland, Oreg., assignor to Albina Engine & Machine Works, Inc., a corporation
Application November 15, 1949, Serial No. 127,450
2 Claims. (Cl. 299—144)



1. A generator spray nozzle consisting of a cast cylindrical core having an outwardly flanged end, and having a pair of radial ribs joined to said flanged end, a wrought steel shell secured around said core and spaced therefrom forming two unequal separated water jackets around said core, one of said ends having a duct therethrough connecting said jackets, said duct containing end having a plurality of outlet spray forming ports communicating with the interior of the nozzle, a high pressure steam pipe threaded into the opposite flanged end, an oil pipe within said steam pipe and a vaporizing tip on said oil pipe threaded into the outlet end of said nozzle and spaced from said outlet ports.

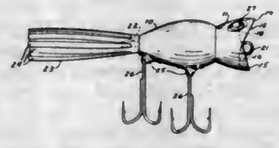
2,561,039
BOBBY PIN STRIPPING DEVICE
Ruth K. Weaver, Chicago, Ill., assignor to Gaylord Products, Incorporated, Chicago, Ill., a corporation of Illinois
Application May 15, 1948, Serial No. 27,351
5 Claims. (Cl. 254—1)

1. In a device for transferring bobby pins from an oven wire onto a strip of cardboard, a bobby pin supporting plate formed with a working face, a fulcrum bar to normally hold a bobby pin against the working face of said supporting plate, means to move said fulcrum bar away from said supporting plate, a holding plate to engage the free end of one leg of a bobby pin, a spreading plate to engage the free end of the



other leg of a bobby pin, and means to move said spreading plate relative to said holding plate to open and close the legs of said bobby pin.

2,561,040
ARTIFICIAL FISH BAIT
Fred A. Arbogast, deceased, late of Akron, Ohio, by Nellie E. Arbogast, executrix, Akron, Ohio, assignor to Fred Arbogast and Company, Inc., Akron, Ohio, a corporation of Ohio
Application February 23, 1949, Serial No. 77,937
6 Claims. (Cl. 43—42.48)

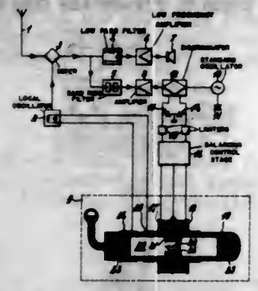


1. An artificial bait comprising a body having a head provided with a forwardly presented open mouth recess defining upper and lower flange portions, individual wall surface portions in said mouth recess above and below a transverse central portion thereof defining with said flange portions individual pockets, and the forward edges of said flange portions being rearwardly convergent from opposite top and bottom points of the flange portions to adjacent said transverse central portion at opposite sides of said mouth recess.

2,561,041
VARIABLE REACTANCE AND CONTROL DEVICE COMPRISING SUCH A REACTANCE
Jacobus Ludovicus Arends and Eduard Herman Hugenholtz, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application October 22, 1948, Serial No. 55,912
In the Netherlands December 13, 1947
11 Claims. (Cl. 175—41.5)

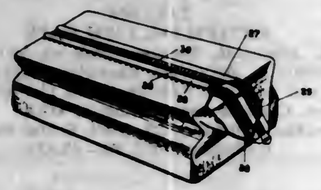
1. A voltage-responsive variable reactance device comprising a liquid-filled tube, a movable electrode disposed within said tube and having a portion thereof of magnetic material, first and second fixed electrodes disposed at spaced positions on the outer surface of said tube, and voltage-responsive electromagnetic means surrounding said tube for controlling the position of said

movable electrode within said tube with respect to said fixed electrodes, thereby to vary the ca-



pacitance between said fixed electrodes in accordance with an applied voltage.

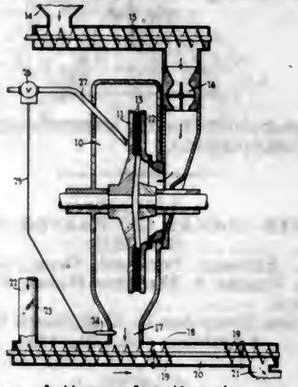
2,561,042
SEMISTIFF WALLED TOILET CASE
Berel A. Arnold, Brighton, and Emil Karl Renz, Dedham, Mass., assignors to Knight Leather Products, Inc., a corporation of Massachusetts
Application December 16, 1948, Serial No. 65,688
1 Claim. (Cl. 190—48)



A toilet case of the type described having a formed base comprising a covered external stiffening wall faced with a coextensive internal stiffening wall, flexible side and end walls united along a symmetrical center line in the end walls and having lower margins secured between said external and internal walls, and said side and end walls all being stitched together by through stitching, said side walls having longitudinal stiffening sections abutting said base and fixed in relation thereto, each of said side walls having other longitudinal stiffening sections parallel to a longitudinal axis of said first stiffening section and pivotally connected therewith by sections of said flexible side walls, a top section of said flexible side wall having a flexible liner with an edge parallel to but spaced from, the topmost stiffening section of said side wall, said liner extending over the inside of the end walls in an upwardly arched section parallel to the top end edge of the bag, a pair of U-shaped bars lining the top edge of the side walls and end walls and being positioned symmetrically with the longitudinal center line of the case, and separable fastener means extending along the end of the side and end walls in said symmetrical position for closing the bag.

2,561,043
APPARATUS FOR GRINDING COMBUSTIBLE MATERIALS
Joseph W. Ayers, Easton, Pa., assignor to Agrashell, Inc., a corporation of Delaware
Application July 12, 1946, Serial No. 683,226
5 Claims. (Cl. 241—31)

1. In hot-operating, dry-grinding mills involving during use danger of fire, explosion or overheating of the material being ground due to frictional heat generated by the grinding operation, the combination of elements which comprises, an enclosed mill of said type having opposed grinding elements of a construction capable of grinding material in the dry state, said mill having connected thereto an inlet conduit containing a sealed dry-material feeding means therein, an outlet conduit for the ground material, a sealed, air excluding, mechanically-operated, continuously operable dry-material discharge means in said outlet conduit, a conduit

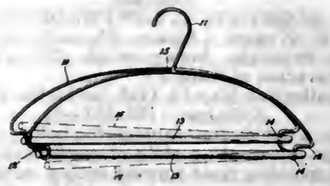


having a regulating valve therein connected to said mill for introducing a cooling fluid into the mill, and a thermostat responsive to the temperature created by the grinding operation operably connected to said valve in such manner as to open and close the same respectively, whereby any temperature increase in the mill causes opening of the valve and an increase in the amount of cooling fluid fed into the mill, thus reducing the temperature and avoiding heat damage and danger of fire and explosion.

2,561,044
STABILIZED HALOGEN-CONTAINING RESINS
Massimo Baer, Indian Orchard, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 5, 1946, Serial No. 639,421
13 Claims. (Cl. 260—45.75)

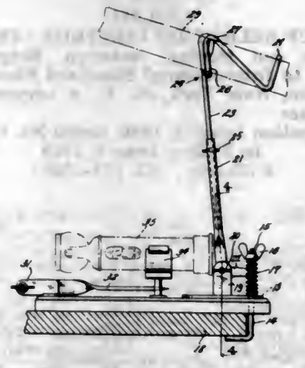
1. A composition comprising a vinyl resin having combined chlorine and, as the sole heat stabilizer therefore, an organometallic lead salt of an alpha,beta-olefinic carboxylic acid intimately mixed therewith in a stabilizing amount.

2,561,045
CLOTHES HANGER
Benjamin Belefant, Bronx, N. Y., assignor of one-half to Carl E. Carlsen, New York, N. Y.
Application October 3, 1946, Serial No. 700,911
2 Claims. (Cl. 223—88)



1. A clothes hanger consisting of a one piece wire having a curved top portion, and an upwardly extending hook forming part of said wire and being centrally located with respect to the curved top portion, four rectangularly shaped bends arranged, two on each side at the lower ends of the curved top portion, a bar pivotally mounted upon the vertical portion of each of said rectangular bends at one side of said hanger, each of said bars being adapted to detachably engage the oppositely arranged and correspondingly shaped rectangular bend, whereby to facilitate the hanging of clothes upon said bars.

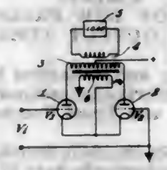
2,561,046
FISHING ROD HOLDER
Oakley Brooks, Columbus, Ohio
Application December 31, 1948, Serial No. 68,506
1 Claim. (Cl. 248—42)



A holder for fishing rods comprising a substantially flat platform base; a plurality of spring-pressed resiliently extensible hook devices depending from said base for hooking engagement with a stationary member of a boat; a tubular standard pivotally connected with said base for swinging movement between positions substantially parallel and perpendicular to said base; means engageable with said standard at its pivotal connection with said base for locking said standard in any position between said parallel and perpendicular positions; a rod-attaching member formed with a straight shank portion carried within said standard for axial rotational and longitudinal sliding movement therein, said rod-holding member being formed with a pair of relatively spaced oppositely opening socket-forming webs for the reception of the handle portion of a fishing rod; and a thumb screw carried by said standard and engageable with the shank portion of said rod-attaching member for clamping the latter within said standard to prevent rotational and sliding movement of the shank portion within said standard.

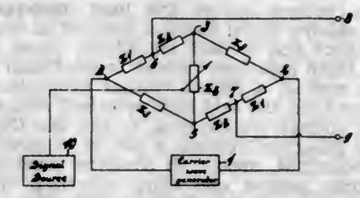
2,561,047
PHASE INVERTER CIRCUIT
Henricus Adrianus Broos, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application June 10, 1947, Serial No. 753,737
In the Netherlands June 18, 1946
10 Claims. (Cl. 179—171)

5. An electrical circuit arrangement for amplifying a first signal voltage comprising first and second electron discharge tubes each having a cathode and a grid defining a grid-cathode circuit and each having an anode, an inductive element intercoupling the anodes of said first and second discharge tubes, an output circuit coupled to said inductive element, means to apply said first signal voltage to the grid-cathode circuit of said first discharge tube, means comprising a tapped inductive element inductively coupled to said inductive element to derive from said inductive element a second signal voltage, means to couple one end of said tapped inductive element to the cathode of said first discharge tube to apply said second signal voltage to the grid-



cathode circuit of said first discharge tube in phase opposition to said first signal voltage and at a given amplitude, and means to couple the tapping of said tapped inductive element to the cathode of said second discharge tube and the other end of said tapped inductive element to the grid of said second discharge tube to apply said second signal voltage to the grid-cathode circuit of said second discharge tube in phase opposition to said first signal voltage and at substantially said given amplitude.

2,561,048
ELECTRIC CIRCUIT
Albert Jan Brouwer, Hilversum, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 12, 1950, Serial No. 155,454
In the Netherlands May 2, 1949
4 Claims. (Cl. 323—75)



1. A circuit for deriving from a voltage source a voltage adjustable in value and polarity, the mean momentary potential at the terminals between which the adjustable voltage appears being invariably equal to the mean momentary potential at the terminals of the source, said circuit comprising a Wheatstone bridge having first and second branches connected in parallel to the terminals of the voltage source, the first branch being constituted by three serially connected impedances whose successive values starting from one end of the first branch is represented by Z_1, Z_2 and Z_3, the second branch being constituted by three serially connected impedances whose successive value starting from the corresponding end of the second branch is represented by Z_3, Z_2 and Z_1, a control impedance represented by Z_4 adjustable within a predetermined range and connected between the junction of impedances Z_2 and Z_3 in the first branch and the junction of impedances Z_3 and Z_2 in the second branch, and a pair of output terminals connected between the junction of impedances Z_1 and Z_2 in the first branch and the junction of Z_2 and Z_1 in the second branch, the impedances hav-

ing relative values at which the resultant impedance

$$\frac{2Z_2Z_3}{Z_1-Z_3-Z_5}$$

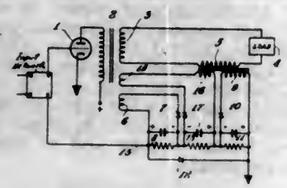
lies with the range in which control impedance Z_4 is adjustable, impedances Z_1, Z_2, Z_3 and Z_4 having the same phase angle.

2,561,049

PROTECTION OF LOW-FREQUENCY AMPLIFIER OR OUTPUT TUBES AGAINST OVERLOAD

Pieter Klaas Buys and Johannes Meyer Cluwen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., trustee

Application July 19, 1947, Serial No. 762,142
In the Netherlands July 27, 1946
9 Claims. (Cl. 179—171)



5. An overload protection circuit for amplifying tubes in class AB, B, and C coupled to a load impedance, comprising a first unidirectional element coupled to said load impedance to derive a first polarized voltage proportional to the alternating current flowing through the load impedance, a second unidirectional element coupled to said amplifying tubes to derive a second polarized voltage proportional to the alternating voltage across the load impedance, a third unidirectional element coupled to said load impedance and to said amplifying tubes to derive a third polarized voltage proportional to the vector sum of a fourth voltage proportional to and less than the said first polarized voltage and a fifth voltage proportional to and less than the second polarized voltage, a source of direct current potential, means to combine algebraically said first, second and third polarized voltages and the said source of direct current potential, means to derive an overload control voltage from the said combined first, second and third voltages and the source of direct current potential in the condition where the algebraic sum of the said first, second and third voltages and the source of direct current potential exceeds zero solely in a predetermined polarity, and means to apply the said overload control voltage to the amplifying tubes.

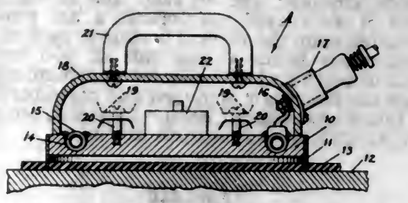
2,561,050

METHOD AND APPARATUS FOR CUTTING FLAT SHAPED PIECES FROM PLASTIC MATERIALS

Charles S. Charron and Lyman Crawford-Brown, Toronto, Ontario, Canada

Application February 23, 1946, Serial No. 649,542
7 Claims. (Cl. 164—18)

1. The method of cutting shaped pieces from plastic material having adhesive characteristics of the character described which comprise forming a cutting knife of a shape corresponding to the shape desired, heating said knife to a predetermined degree, causing a strip of said plastic material and an underlying web of carrying material to pass by said knife, intermittently causing said knife to traverse said material and winding said plastic material and said carrying material after said shapes have been cut therefrom.

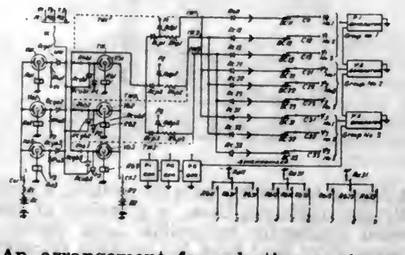


2,561,051

GROUP SELECTION CONTROL CIRCUIT

Martinus den Hertog, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application June 12, 1950, Serial No. 167,672
In France June 2, 1949
8 Claims. (Cl. 177—353)



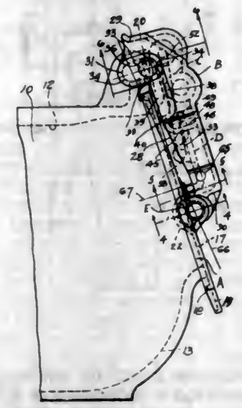
1. An arrangement for selecting a circuit in one of a plurality of circuit groups, comprising a plurality of sources of pulse trains, arranged in two groups with the pulses of the first group of sources having a repetition rate which is a multiple for the repetition rate of the pulses of the second group of sources, the pulse trains of each group having different time positions within the group, the time duration of all pulses in a group being the same but the time duration of each pulse of the second group being sufficient to encompass a complete cycle of the pulse trains of said first group, means for connecting a different one of said first group of sources of pulse trains to each group of circuits, a plurality of coincidence trigger devices, each having a plurality of inputs and adapted to operate only when voltages at least as great as said pulses are applied simultaneously to all said inputs, said devices being arranged in two groups, the first group having a number of devices equal to the number of circuit groups and corresponding respectively to said circuit groups, the second group having a number of devices equal to the number of circuits in a group and corresponding respectively to the circuits of a group, means for selectively applying pulse trains from said first group of sources to one input of each of said devices, means for applying pulse trains from said first group of sources respectively to second inputs of the devices of said first group, means for applying pulse trains from said second group of sources respectively to second inputs of the devices of said second group, means for connecting third inputs of the devices of said second group respectively to corresponding circuits of each group of circuits, a plurality of control circuits corresponding to the circuits of said groups, and means controlled by the combination of devices operated for energizing a selected one of said control circuits.

2,561,052

JOURNAL BOX LID

George B. Dorey, Westmount, Quebec, Canada

Substituted for abandoned application Serial No. 614,365, September 4, 1945. This application April 25, 1949, Serial No. 89,530
5 Claims. (Cl. 308—47)



1. In a lid assembly for a journal box having an opening and a hinge lug adjacent one side of the opening, said assembly including a carrier pivoted to the lug and a cover pivoted to the carrier; a coil spring having an intermediate coil portion bearing on the carrier and arms extending in opposite direction from said coil, one of said arms bearing on the lug of the box, and the other of said arms including a pair of arms leading towards the pivot uniting the cover and carrier and terminating at an appreciable distance from said pivot; and an equalizing lever bearing on the carrier and cover respectively and having the spring arms bearing on said lever intermediate its ends, said bearing of the lever on the cover being concentrated to one side of the pivotal mounting of the cover.

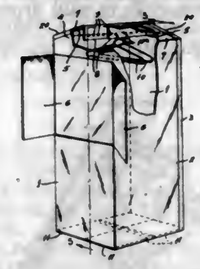
2,561,053

GARMENT CONTAINER

Clifford D. Fallert, St. Louis, Mo., assignor to Gaylord Container Corporation, St. Louis Mo., a corporation of Maryland

Application June 11, 1949, Serial No. 98,450
9 Claims. (Cl. 206—7)

5. A four-sided one-piece folded blank garment container, two opposite side walls of which are provided at their upper ends with flaps that incline inwardly and upwardly toward each other into abutting relation to form a gabled top for said container, said flaps having depending flanges along their meeting edges, said flanges having longitudinal rows of alined holes therethrough adapted to support a plurality of garment supporting hangers, the two other opposite side walls of said container having their upper end portions gabled in conformity with said gabled top, said gabled upper end portions of said two other opposite side walls having tabs extending inwardly from the upper edges thereof beneath and in supporting relation to said inclined top flaps and disposed close to and on opposite sides of said flanges.

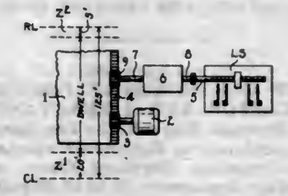


2,561,054

LIMIT CONTROL

Howard E. Hodgson, Wauwatosa, and Richard R. Ranson, Whitefish Bay, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application September 5, 1947, Serial No. 772,444
10 Claims. (Cl. 318—468)



1. The combination with a motor driven device having a long operating range and a control device therefor having a relatively short operating range, of a rotatable drive shaft for said control device operable by said driven device during movement thereof throughout its entire operating range, a releasable coupling for connecting said control device to said drive shaft, and control means for said coupling including an intermittent gear operating connection between the same and said drive shaft for maintaining said coupling in disengaged position during movement of said driven device through a major part of its operating range and for engaging the same during movement of said driven device through the remainder of its operating range.

2,561,055

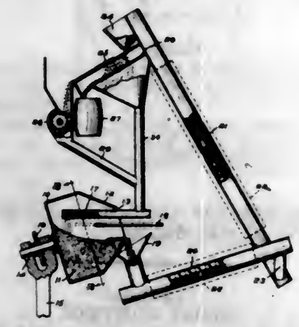
METHOD OF MAKING PELLETS

Ralph S. Hood, Marblehead Neck, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Original application July 19, 1943, Serial No. 495,384. Divided and this application December 26, 1947, Serial No. 793,852
3 Claims. (Cl. 23—121)

1. The method of continuously pelleting finely divided solids which comprises initially supplying a mass of such solids to a rotary drum of the type which rotates about an axis not inclined more than about 30° from the horizontal, continuously rotating said drum at such a speed that the mass of solids rides up the upmoving side wall of the drum to the upper portion thereof and falls over inwardly, thereby forming a relatively

sparsely filled region of relatively restricted circulation in the central portion of the rotating mass, continuously supplying at least two different solid substances to said drum, at least one of which substances forms a liquid upon being heated, and simultaneously heating said liquefiable substance whereby at least one of said substances forms a liquid, said liquefiable solid substance being fed into said drum at a point below the surface of the rotating mass and within the region of relatively restricted circulation, whereby smooth-surfaced and relatively hard pellets are formed.

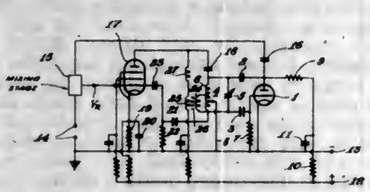


2,561,056

CIRCUIT ARRANGEMENT COMPRISING AN OSCILLATOR AND A REACTANCE TUBE

Eduard Herman Hugenholtz, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application September 30, 1948, Serial No. 52,083
In the Netherlands October 13, 1947
4 Claims. (Cl. 250—36)



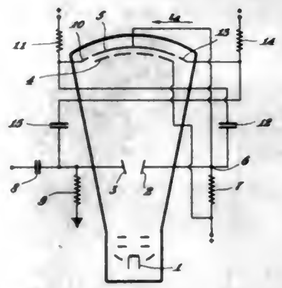
1. An electrical circuit arrangement for generating a wave having a frequency dependent on the magnitude and polarity of an applied signal, comprising oscillator means having a frequency-determining resonant circuit with a given resonant frequency, a reactance tube device including an electron discharge tube having cathode, grid and output electrodes, means to couple said reactance tube device to said resonant circuit, means to apply said signal to said reactance tube device to vary the reactance of said device thereby to vary the resonant frequency of said resonant circuit in accordance with variations in the magnitude and polarity of said applied signal, and an impedance network having a reactance value proportional to current flow to the said output electrode of said electron discharge tube intercoupling the said output electrode and said resonant circuit to further vary the resonant frequency of said resonant circuit in accordance with the variation in the magnitude and polarity of said applied signal.

2,561,057

CIRCUIT ARRANGEMENT COMPRISING A CATHODE BEAM TUBE PROVIDED WITH MEANS FOR DEFLECTING THE CATHODE BEAM

Johannes Lodewijk Hendrik Jonker and Adrianus Johannes Wilhelmus Marie Van Overbeek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 30, 1949, Serial No. 90,602
In the Netherlands May 5, 1948
5 Claims. (Cl. 315—21)



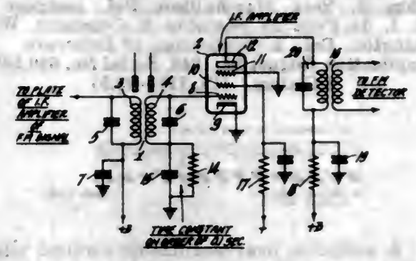
1. In an impulse counting system, the combination comprising a cathode-ray tube provided with an electron beam source, first and second deflecting electrodes for deflecting said beam within a given plane, first and second collecting electrodes mounted at positions intersecting said plane, and a reset collecting electrode disposed adjacent one side of said first collecting electrode, said first and second collecting electrodes having respective shapes and having positions relative to said plane at which beam current flowing to the first collecting electrode exhibits a plurality of maxima and minima as a function of beam deflection, first and second resistances, means to apply a constant voltage to said second collecting electrode and through said first resistance to said first collecting electrode, means to apply a constant voltage through said second resistance to said reset collecting electrode, means connecting said first collecting electrode to said first deflecting electrode, whereby the voltage drop developed across said first resistance is impressed on said first deflecting electrode, said first resistance having an ohmic value at which at a number of resultant voltage values on said first deflecting electrode the current flowing to said first collecting electrode and the current through said first resistance are equal to each other, at which voltage values the beam assumes a stable position, means to apply an external voltage impulse to said second deflecting electrode to displace said beam from one stable position to another whereby said reset collecting electrode is struck by said beam after departing from the last stable position on the side of the first collecting electrode to which the reset electrode is adjacent upon application of a votlage impulse displacing said beam in the direction of said side, and a capacitance coupling said reset electrode to said first deflecting electrode, whereby the potential on said reset electrode when struck is applied to said first deflecting electrode to displace the beam to the stable position on the other side of said first collecting electrode.

2,561,058

FREQUENCY MODULATION TRANSFORMER LOADING CIRCUIT

Winfield R. Koch, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 24, 1947, Serial No. 730,606
3 Claims. (Cl. 179—171)



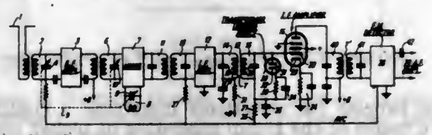
1. In an amplifier system for frequency modulation signals, an amplifier tube having at least a signal grid, cathode and plate, a source of frequency modulated carrier wave of a predetermined frequency modulated by signals in a predetermined frequency range, a transformer having loosely coupled primary and secondary circuits each tuned to said carrier wave frequency, said source being coupled to said primary circuit, said signal grid being connected for direct currents to the high potential side of the secondary circuit, a resistor, and a capacitor shunting said resistor and connecting the low potential side of the secondary circuit to said cathode, said resistor having a resistance low enough to cause appreciable loading of the tuned secondary circuit, said resistor and said capacitor having a time constant which is long compared to a cycle of the lowest modulation signal frequency within said frequency range, said resistor and capacitor having an impedance approximately equal to the impedance which said circuits present to said carrier wave whereby said resistor and capacitor provide a variable loading circuit to prevent amplitude variations in the said carrier wave from affecting said amplifier.

2,561,059

SIGNAL AMPLITUDE CONTROLLING TRANSFORMER LOADING CIRCUIT

Murlan S. Corrington, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 27, 1947, Serial No. 731,193
16 Claims. (Cl. 178—44)



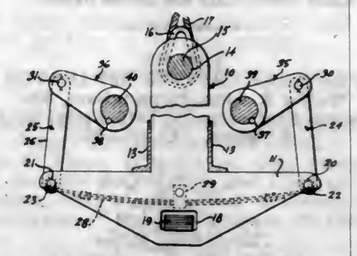
1. In combination, a source of angle modulated carrier wave energy, a wave utilization circuit, transformer coupling means between the source and utilization circuit for transmitting the wave energy, and the improvement comprising a loading path in shunt with said transformer coupling means, said path including a device of unidirectional conductivity and a time constant network chosen to have a time constant that is long compared to a cycle of the modulation frequency such that said loading path responds only to slow changes of the carrier wave amplitude and prevents relative fast amplitude variations from affecting said utilization circuit, said loading path having a resistive impedance that is smaller than the impedance of said transformer coupling means at the frequency of said carrier wave, said resistive impedance having such a value that the "Q" of said transformer coupling means is normally reduced to less than one half of its "Q" without said loading path.

2,561,060

SAFETY DEVICE FOR MINE CAGES AND THE LIKE

Arthur Wesley Lancaster, Orillia, Ontario, Canada, assignor to E. Long Limited, Orillia, Ontario, Canada

Application January 12, 1948, Serial No. 1,748
5 Claims. (Cl. 187—87)



4. A safety mechanism for mine cages comprising a draw-bar of substantially inverted T shape adapted to raise a cage by bearing against a draw-head, but movable downwardly with respect thereto, said draw-bar being formed from two spaced apart draw plates, an actuating leaf spring mounted on suitable shackles attached to the cage, passing through a central hole in said draw-bar and designed to urge said draw-bar in a downward direction away from said draw-head, a dog mechanism comprising two pairs of similar dogs mounted on parallel dog shafts and adapted upon actuation to engage the guides in the mine shaft, dog actuating levers keyed to said dog shafts and links pivotted to said dog actuating levers and adapted to be moved in a downward direction to cause actuation of said dogs upon downward movement of said draw-bar, and a long leaf spring centrally mounted on the draw-bar between the draw plates, connected at either end to said links and adapted to urge the latter in an upward direction, said latter mentioned spring being the sole means for maintaining the dogs out of engagement with the shaft guides during normal operation of the cage.

2,561,061

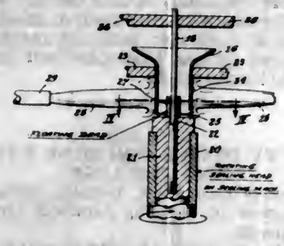
GLASS-TO-METAL SEAL AND PROCESS FOR MAKING THE SEAL

John B. Leuzarder, Verona, Jens J. Aakjer, Roselle, and William John Knochel, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 17, 1947, Serial No. 792,268
6 Claims. (Cl. 49—78)

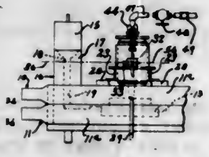
4. A method of effecting a glass-to-metal seal comprising oxidizing a metal part with an oxide coating substantially between .00003 and .00009 inch in thickness, protecting the area to be sealed of the oxidized part and preventing further oxidation thereat, and thermally sealing the glass at the protected part of said oxidized metal area and obtaining dispersion of substantially all of the oxide coating at said area from the metal into

the glass and confined to surface penetration in the glass of said oxide and obtaining bonded con-



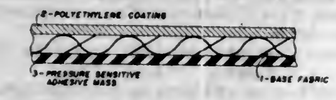
tact directly with the metal of the metal part by the glass containing the metal oxide.

2,561,062
PRESSURE CASTING APPARATUS
Walter R. Ling, Birmingham, Ala.
Application September 27, 1948, Serial No. 51,418
6 Claims. (Cl. 22—72)



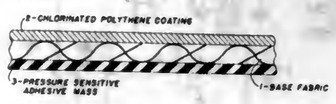
2. In apparatus for making pressure castings in a mold having pouring and vent openings and a refractory member having an opening therein mounted on the mold with said opening in communication with the vent opening, the combination of a sheet of combustible material interposed between the lower end of the refractory member and the mold, a quantity of heat retaining material within the refractory member and on top of the sheet of material, a cap for sealing the upper end of the opening in the refractory member, means to seal the pouring opening after the metal is poured, the metal being disposed to burn through said sheet and rise into the refractory member floating said heat retaining material, and means to admit air under pressure through the cap into the surface of the metal in said refractory member.

2,561,063
ADHESIVE TAPE
Dorman McBurney, Swarthmore, Pa., and Raymond E. Thomas, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 14, 1946, Serial No. 690,548
2 Claims. (Cl. 117—68.5)



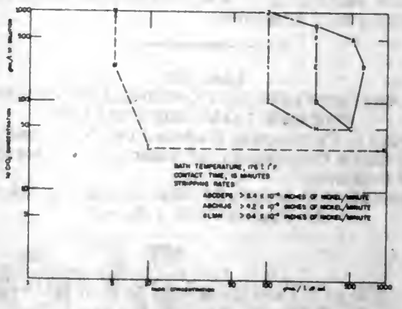
1. A washable heat-sterilizable surgical adhesive tape which comprises a light-weight textile fabric base coated on one side with a substantial layer of a rubber pressure-sensitive adhesive composition and coated on the opposite side with an adherent pigmented waterproofing film consisting essentially of a solid homo polymer of ethylene, pigment, and plasticizer, the said plasticizer being polypropylene glycol sebacate present in amount not more than 15.4%, based on the weight of the said polymer of ethylene.

2,561,064
ADHESIVE TAPE
Arthur B. Ness, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 14, 1946, Serial No. 690,549
4 Claims. (Cl. 117—68.5)



1. A washable heat-sterilizable surgical adhesive tape which comprises a light-weight textile fabric base coated on one side with a substantial layer of a rubber pressure-sensitive adhesive composition, and coated on the opposite side with an adherent waterproofing film consisting essentially of a halogenated solid homo polymer of ethylene, pigment, and plasticizer, the said plasticizer being polypropylene glycol sebacate present in amount not more than 15.4% based on the weight of the said halogenated polymer of ethylene, the said halogenated polymer containing from 5% to 35% of a halogen selected from the group consisting of chlorine and bromine.

2,561,065
COMPOSITION FOR AND PROCESS OF REMOVING METALLIC COATINGS
Walter R. Meyer, Hamden, Conn., assignor to Enthone, Inc., New Haven, Conn., a corporation of Connecticut
Application April 15, 1949, Serial No. 87,637
5 Claims. (Cl. 75—97)



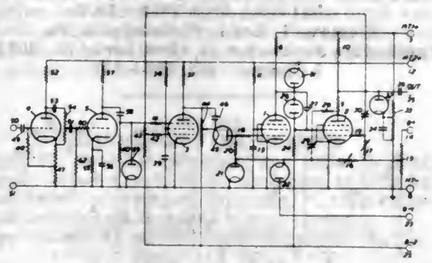
4. Process for selectively dissolving a coating of a metal of the group consisting of nickel, copper, zinc, silver, and cadmium from the surface of a metal of a group consisting of iron, steel, and chromium which comprises immersing the metal object to be stripped in an aqueous solution of the following materials in proportions within the indicated ranges:

Alkali metal chlorite, 5 grams per liter to saturation

Alkali metal cyanide, 1 gram per liter to saturation

at a temperature within the range of about 70° to 210° F.

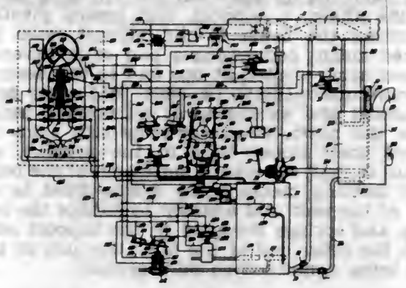
2,561,066
TIME BASE CIRCUITS FOR OSCILLOGRAPHS
Norman Frank Moody, Aldwych, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 25, 1947, Serial No. 782,188
In Great Britain September 27, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires September 27, 1966
4 Claims. (Cl. 250—36)



1. A time-base circuit for a cathode ray oscillograph comprising a two-tube pulse triggered circuit of the type biased to have a stable quiescent state and an unstable operating state with the anode of each of the first and second tubes coupled to the grid of the other tube and producing at the output of said second tube while in said operating state a pulse having a linear slope for sweep purposes and a relatively steep trailing edge, a normally blocked third tube having an output electrode coupled to an input electrode of said first tube, coupling means connected between the output of said triggered circuit and an input electrode of said third tube for unblocking said third tube at the end of the operating state to produce a triggering pulse at the output electrode of said third tube, a source of synchronizing voltage to control the frequency of operation of said triggered circuit, storage means for deriving a blocking bias voltage from said synchronizing voltage, means for applying said blocking bias to an additional grid of said third tube to maintain said third tube blocked irrespective of feedback voltage from said triggering circuit, and coupling means for applying said synchronizing voltages to the additional grid of said third tube to momentarily unblock said third tube in response to said synchronizing voltages, thereby producing a train of triggering pulses at the output electrode of said third tube.

2,561,067
MULTIPLE STAGE AIR-CONDITIONING SYSTEM
Alwin B. Newton, Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 17, 1945, Serial No. 611,133
12 Claims. (Cl. 257—3)

3. In control apparatus for flow controlling means for air conditioning apparatus, in combination, motor means for actuating said flow controlling means, first switch means, second switch means, and cam means operated by said motor means for actuating said first and second switch means, said cam means having a high, an intermediate and a low portion, said low portion extending substantially half the angular extent of said cam means, one of said switch means controlling the energization of said motor means in such manner that said motor means is normally stopped with both of said switch

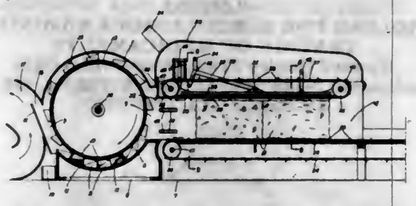


means being positioned by the high and intermediate portions of the cam means.

2,561,068
PROCESS FOR THE PREPARATION OF LONG-CHAIN ESTERS AND NITRILES
Donald C. Pease, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1949, Serial No. 102,438
7 Claims. (Cl. 260—465.8)

1. A process for the preparation of compounds having a chain of a plurality, from 2 to 15, of recurring bivalent units corresponding to a polymerizable terminally unsaturated olefin of two to eight carbons, the two terminal valences of the chain being each bonded to a tertiary carbon, aliphatic in character, one of the carbons attached to said tertiary carbon having its remaining valences satisfied by at least one element of atomic number of 7 to 8 which comprises heating said polymerizable olefin with from 10% to 100% of its weight of an azo compound wherein the two valences of the acyclic azo, —N=N—, group are each bonded to a discrete tertiary carbon, with one of the carbons attached to said tertiary carbon being the carbon of a group of the class consisting of the nitrile group and the esterified carboxyl group, and isolating said compounds having a chain of recurring bivalent units.

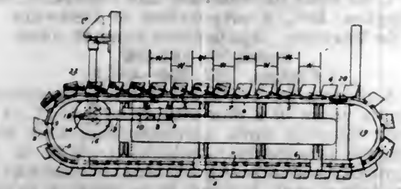
2,561,069
BALED HAY FEEDING DEVICE
Clarence J. Peterson, Kingsburg, Calif., assignor to Kingsburg Cotton Oil Co., Kingsburg, Calif., a corporation of California
Application January 21, 1944, Serial No. 519,166
5 Claims. (Cl. 198—162)



5. A device for feeding baled hay comprising mechanism to progressively advance bales of hay, including a lower conveyor on which said bales of hay may rest, and an upper conveyor unit spaced from the lower conveyor and extending substantially parallel thereto, such upper conveyor unit including a central longitudinal

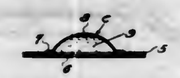
beam, a sprocket mounted at each end of the beam, an endless chain mounted in driven relation about the sprocket, hay bale engaging means on the chain, a support, and means pivotally mounting the beam to the support; said last named means comprising a pair of transversely spaced arms pivoted at one end to the beam at a point intermediate its ends, said arms being elongated and extending at an upward incline from the beam, means pivoting said arms adjacent their upper ends to the support, and means to limit downward movement of the beam, such limiting means being a stop fixed to one end of the unit and adapted to engage the support, and springs mounted on the support adjacent the other end of the unit, the unit at that end being suspended on said springs.

2,561,070
SHEET COLLATING MECHANISM
Thomas Ewart Phythian, Headingly, England, assignor to R. W. Crabtree & Sons Limited, Leeds, England, a company of Great Britain
Application May 8, 1946, Serial No. 668,147
In Great Britain May 11, 1945
6 Claims. (Cl. 270—58)



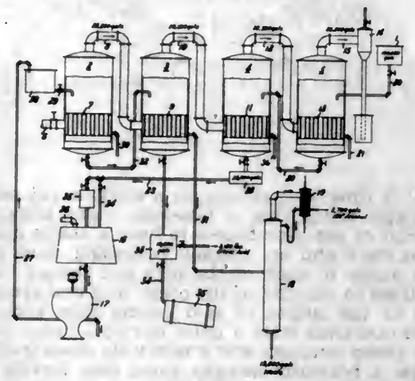
1. For collating signatures of different sizes, apparatus comprising in combination means to deliver signatures continuously in side by side relationship and in a predetermined transverse page sequence, an endless conveyor comprising a series of receptacles for signatures, means adjustably connecting the receptacles to one another, means supporting the conveyor for movement across the delivery zone of the signatures, a reciprocable component, a driving member on said component, driven members on said endless conveyor, the driving member being freely movable past the driven members in one direction of movement of the said component and making driving engagement with a driven member in the other direction of movement, adjustable means to drive the reciprocable component through adjustable distances, a locking mechanism for said conveyor and means to render the locking mechanism operative in alternation with the driving member.

2,561,071
HOLDER FOR SUBCUTANEOUS ADMINISTRATION OF MEDICAMENTS
Howard Conley Prisk, Westerville, Ohio
Application September 21, 1949, Serial No. 116,963
3 Claims. (Cl. 128—260)



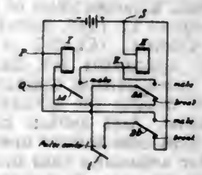
2. Medicament holding and applying means comprising: a casing embodying a base and a flexible walled cap, the latter forming a cavity for the reception of a medicament, and a removable sealing strip normally attached to the base, said strip being removable from its sealing association with said base to open the bottom of said cavity, thereby enabling the medicament contained within the cap to contact directly a sealing region of the skin around which the device is positioned, the flexibility of the cap being such as to enable the walls thereof to flex inwardly and maintain close contact with the medicament as the supply of the latter progressively decreases in said cavity as a result of absorption of the medicament by the skin tissues.

2,561,072
PROCESS OF TREATING WASTE CITROUS LIQUORS AND THE LIKE
Gustave T. Reich, Philadelphia, Pa.
Application September 16, 1946, Serial No. 697,224
4 Claims. (Cl. 195—33)



1. The process of treating waste citrous liquor obtained from the pulp and skins of citrous fruit to recover valuable products therefrom which comprises reducing the volume of said liquor to about 50% of its original volume by evaporating water therefrom, subjecting the thus concentrated liquor to fermentation in the presence of yeast, removing yeast from the fermented liquor, and reducing the volume of the fermented liquor to about 10% of the volume of the original liquor by evaporating water and alcohol therefrom, a major part of the heat required for said first evaporating step being supplied by indirect heat exchange from the vapors generated in said second evaporating step.

2,561,073
COUNTING RELAY SYSTEM
Jan Frederik Schouten and Nicolaas Rodenburg, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 12, 1949, Serial No. 76,022
In the Netherlands March 3, 1948
4 Claims. (Cl. 175—320)



1. A pulse counting binary device comprising a first relay including a winding having input and output ends actuating a first switch provided with a movable arm and a make contact, a second relay including a winding having input and output ends actuating second and third switches each provided with a movable arm and make and break contacts, means to apply an enrgizing potential between the input end of the first relay winding and the output end of the second relay winding, and a pulsing switch connected between the movable arms of said second and third switches, the output end of said first winding being connected to the arm of said first switch, the input end of said second winding being connected to the make contact of said first switch, the make contacts of the second and third switches being connected between the input ends of both windings, the break contacts of the second and third switches being connected between the output ends of both windings.

2,561,074
FLASHLIGHT OIL TESTER
James W. Sherrill, Belmont, and Leon G. Alexander, Steel Creek, N. C., assignors to Wix Accessories Corporation, Gastonia, N. C., a corporation of North Carolina
Application August 27, 1947, Serial No. 770,776
4 Claims. (Cl. 88—14)



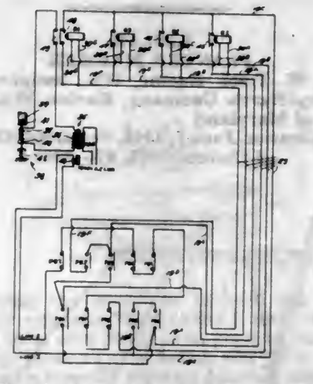
1. An oil tester unit for a flashlight comprising inner and outer opaque plates provided with a plurality of registering circular openings, the edges of the inner and outer plates at the openings forming annular grooves, a plurality of transparent oil receptacles mounted between said plates in said grooves and adapted to contain clean unused oil, and a plain transparent disk mounted in another of said annular grooves and dished to form an open exterior receptacle adapted when arranged in a horizontal position to receive a sample of crank case oil, means for mounting the oil tester unit on a flashlight in front of the bulb thereof whereby said disk and the transparent receptacles may be simultaneously illuminated by the flashlight bulb.

2,561,075
WELL DRILLING
Carroll V. Sidwell, Tulsa, Okla.
No Drawing. Application September 17, 1949, Serial No. 116,410
12 Claims. (Cl. 255—1.8)

3. A composition for use in preventing lost circulation in well holes comprising a mixture of water, a water suspensible clay and expanded perlite in proportions to form a pumpable mixture.

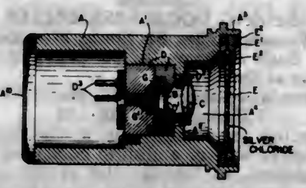
12. The method of preventing lost circulation of drilling fluid containing suspended clay particles through openings in well hole walls which comprises successively pumping portions of the drilling fluid into the well hole into each portion of which expanded particles of volcanic rock have been incorporated, the particles in each portion being successively smaller in size, thereby bridging the openings with successively smaller particles and finally sealing the bridge with a layer of clay particles.

2,561,076
ELECTRIC DOOR LOCK
Maurice J. Tassin, New Orleans, La.
Application December 31, 1948, Serial No. 68,710
2 Claims. (Cl. 175—320)



1. An electric door lock of the character disclosed comprising an end circuit, a plurality of relays, circuit means including a plurality of normally open push button switches numbered in accordance with the numbers of a preselected combination and arranged to operate said relays in predetermined sequential order as said switches are closed in sequence according to the number sequence of the combination, circuit means controlled by the last of said relays to be operated for closing said end circuit as said last of the relays operates, a plurality of lock-in circuits individual to said relays and adapted to be rendered effective as the relays operate to maintain the energization of the relays after the switches individual thereto have been opened, said lock-in circuits individual to all but said last of the relays being effective to render the next succeeding switch in the combination effective to operate the relay individual thereto as the switch is closed, and a plurality of normally closed and numbered push button switches included in series circuit in said lock-in circuits whereby the lock-in circuits are interrupted thereby to restore the keeper to an initial unoperated condition when any one of said normally closed switches is opened after the combination is applied to the keeper.

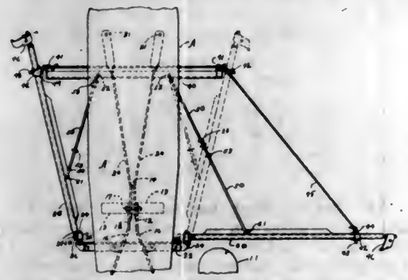
2,561,077
RADIATION PYROMETER
Donald G. Tilton, St. Petersburg, Fla., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 4, 1946, Serial No. 659,573
2 Claims. (Cl. 136—4)



1. A radiation pyrometer for measuring relatively low temperatures of the order of 0° F. to 200° F. comprising a heat responsive device and a lens transmitting radiant energy to said device and formed of a material in the group of mate-

rials consisting of sodium chloride and potassium bromide which deteriorate when in contact with a humid atmosphere, said lens having a transparent coating of magnesium fluoride thereon for protecting the lens from the ambient atmosphere.

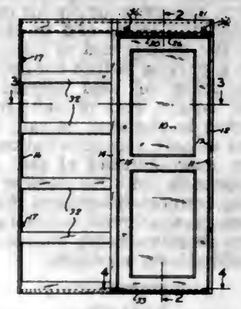
2,561,078
PLANTER MARKER
Everett W. Todd, Racine, Wis., assignor to The Massey-Harris Company, Racine, Wis., a company of Maryland
Application June 5, 1946, Serial No. 674,486
4 Claims. (Cl. 97—230)



1. In combination with a tractor, an elongated hitch member secured to the under side of the tractor near the forward end and at the transverse center thereof, a planter hitch member, its front end adapted to be loosely detachably attached to the rear end of the tractor hitch member, the rear end of said tractor hitch member being a distance forward of the front edges of the rear wheels of the tractor, a transverse bar secured to the planter hitch member substantially forward of the front edge of the rear wheels of the tractor and having a length considerably less than the distance between said rear tractor wheels, a hinge connecting each marker arm to the end of said transverse bar, said hinges adapted to permit the marker arms to move from an extended position transverse to the tractor to a forward position in direction of travel, another transverse bar secured to the forward end of the planter hitch member and being considerably longer than the first transverse bar having means for detachably slidably holding a rope, the ends of said rope being connected to the marker arms thereby to limit the outward movement of one marker arm when the other marker arm is engaged by the end of said other transverse bar, whereby when the marker arms are in parallel or forwardly converging position, and the planter hitch and ropes are detached, the tractor can be driven forward clear of said marker arms.

2,561,079
SLIDING DOOR ASSEMBLIES
Earl M. Trammell, Sr., St. Louis, Mo., assignor to Huttig Sash & Door Co., St. Louis, Mo., a corporation of Delaware
Application November 21, 1946, Serial No. 711,377
7 Claims. (Cl. 20—19)

6. A fixture for installation in the region of a grooved lower stile of a sliding door, and adapted when installed, to interfix the groove and constrain the lower margin of the door to a straight line movement, the fixture including two normally stationary parts, slidably related for length adjustment of the fixture, one of said parts being fixed and the other part movable over the first said part to vary the effective length of the fixture, a resilient leading end structure of divergent character carried by the said movable part and



serving at times to guide the door and fixture into alignment, and stop means to limit relative movement of the parts.

2,561,080
ELECTRIC CIRCUIT ARRANGEMENT
Alfred van de Wiel, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 20, 1950, Serial No. 163,270
In the Netherlands June 16, 1949
5 Claims. (Cl. 323—109)

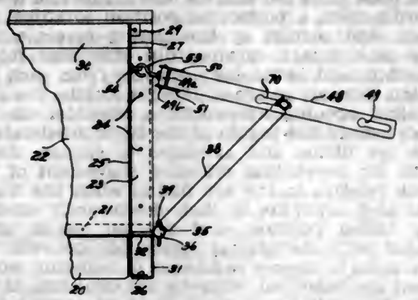


1. A variable phase-shifting bridge circuit comprising a transformer, means to apply an alternating-current to said transformer, a variable inductance, a resistance connected in series with said inductance across said transformer, a load impedance connected between an intermediate point on a winding of said transformer and the junction of said resistance and inductance, a condenser shunted across a portion of said load impedance and having a value at which the resultant impedance is capacitive, and means to derive a voltage variable in phase from said load impedance.

2,561,081
SUSPENDING, LATCHING, AND LOCKING MEANS FOR TAIL GATES
Ethan W. Vars, Duncannon, Pa., assignor, by mesne assignments, to George Harold Bell & Associates, York, Pa., a partnership
Application December 6, 1946, Serial No. 714,365
1 Claim. (Cl. 292—268)

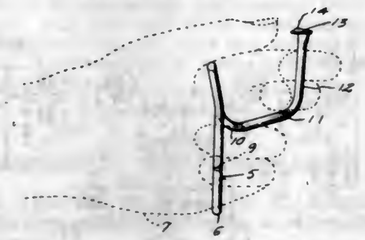
A latching and locking device for an outwardly and downwardly swinging tail gate for a vehicular body having side panels, including, in combination, a swivel device attached to the rear end of each side panel above the points at which said tail gate is swingable; a resiliently bendable strap for each swivel, hinged at one end to its associated swivel and having an aperture near its other end, and a bracket for each strap fastened on the outer face of the tail gate slightly toward the associated vertical edge of the tail gate from the vertical center line thereof and each bracket having an upwardly opening mouth to receive

the free end of the associated strap, and each bracket having an inwardly and downwardly projecting tongue in its mouth, whereby to hold



the tail gate locked and latched when the straps are held in the mouths of the brackets the tongues thereof engaging the apertures in said straps.

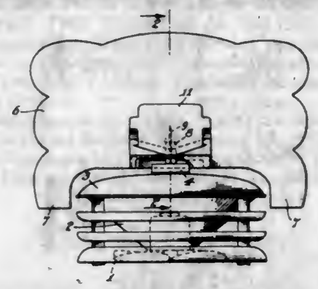
2,561,082
GRAPE CUTTER
William Way, Taft, Calif.
Application December 20, 1946, Serial No. 717,459
1 Claim. (Cl. 30—298)



A cutting knife formed from a single elongated strand having one end portion providing an elongated handle, in the form of a loop, said handle having an index and middle finger receiving loop portion at one end thereof and a third and fourth finger engaging portion at its opposite end, said handle portions being disposed in substantially the same plane, said strand at the end opposite from the handle loop having a portion forming a blade shank and including a first shank portion projecting from the handle intermediate of the handle end portions and at substantially a right angle to the plane of the handle, and a second shank portion extending at an angle from the first shank portion disposed substantially in opposed relationship to the handle portions, and a blade constituting the opposite end of the strand and extending integrally from the free end of the second shank portion and disposed transversely thereof, said blade having a cutting edge facing inwardly of the knife and toward the handle.

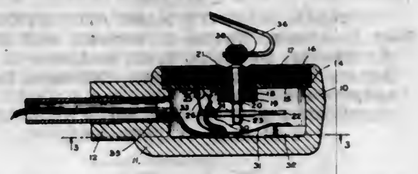
2,561,083
WHIRLING DISPLAY DEVICE
William W. Welch, Jr., Cincinnati, Ohio, assignor to William W. Welch, Cincinnati, Ohio
Application March 17, 1950, Serial No. 150,305
1 Claim. (Cl. 40—39)

A whirling display device for an electric floor fan of the type having upwardly facing rotary propeller fan blades and an inverted conical air spreader thereover and a generally flat top, said device including, in combination a base having a bottom shaped to rest gravitationally on the central portion of said top, a display panel rotatively mounted by said base in a substantially vertical plane and having lateral end portions



overhanging the periphery of said top on diametrically opposite sides thereof, and vanes depending from said portions in vertical planes and extending downwardly below the base of said conical air spreader radially thereof and terminating short of the floor level of said fan.

2,561,084
PIEZOELECTRIC MICROPHONE
Parker B. Wickham, Delavan, and Samuel A. Johnston, Walworth, Wis., assignors to The George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application May 1, 1946, Serial No. 666,284
10 Claims. (Cl. 73—6)

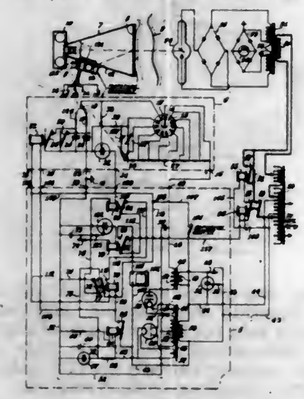


1. In a microphone for picking up watch beats, a cup shaped housing, a multi-layer closure for said housing, said closure having a watch supporting surface and including nonmetallic resilient layers disposed on opposite sides of a relatively stiff layer, a metallic member extending through said closure and supported by said resilient layers, said member being adapted for engagement by a watch resting on said surface, and a piezo-electric crystal mounted on said member inside said housing.

2,561,085
AUTOMATIC EXPOSURE TIMER
Charles T. Zavales, New York, N. Y., Fred J. Euler, Jr., Baltimore, Md., and John E. Kalstein, Washington, D. C., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 1, 1946, Serial No. 673,748
12 Claims. (Cl. 250—95)

1. A phototimer for automatically controlling energization of an X-ray tube to consistently produce radiographic images of uniform density regardless of variations in object thicknesses or varying exposure times comprising energizing means for said X-ray tube, control means responsive to initiation by an operator adapted to automatically cause operation of said X-ray tube en-

ergizing means, protective means including a substantially constant voltage power supply and a relay energizable therefrom and operable to partially complete a circuit to said control means and serving in event of power supply failure to prevent operation of said control means with



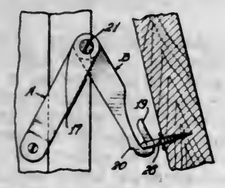
otherwise attendant possible injury to the X-ray tube, and intensity responsive means automatically operable to cause cessation in the operation of said X-ray tube energizing means when the radiographic image produced by passage of X-rays through an object on to a light sensitive surface reaches a predetermined density.

2,561,086

STORM WINDOW SASH ADJUSTER

Paul L. Adams, Wayne A. Norman, and Charles K. Sitterly, Dubuque, Iowa, assignors to Carr, Adams & Collier Company, Dubuque, Iowa, a corporation of Iowa

Application July 21, 1949, Serial No. 105,948
2 Claims. (Cl. 292—263)



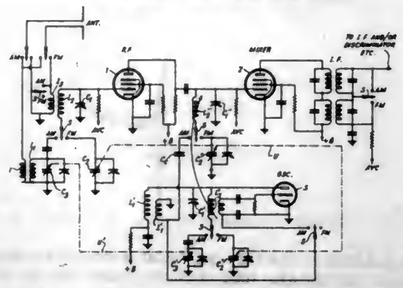
2. For use with a window frame wherein is a storm sash mounted to swing out at the bottom, an adjustment link for connection between the frame and sash near the bottom of each, comprising a flat frame arm having at one end means for pivotal connection with the frame, said frame arm being provided with a wall in spaced parallel and opposed relation to said frame arm and defining therewith a lengthwise channel open upon a long side and both ends, a sash arm provided with means for pivotal connection at one end with the sash and disposed within the channel of the frame arm, means providing a pivotal connection between the two arms and arranged to permit the sash arm to swing from a position within the channel of the frame arm outwardly thereof generating an angle between the two arms of more than 270°, the sash arm at its end remote from the frame arm being formed with a lengthwise slot opening out laterally upon one edge of the arm and defining therewith an elongated hook for releasable engagement with an eye fitting upon the sash to provide therewith the pivotal connection aforesaid, said frame and sash links being swingable upwardly from a horizontal position to permit the hook to be fed into the eye fitting and downwardly from a horizontal position to adjust the sash, and carried by the closing movement of the sash into a downwardly extending folded position, and swingable upwardly from such position through an arc of 180° for locking the sash against opening movement, a shoulder on the sash arm in the region of the hook proximate to the eye fitting and arranged to engage therewith for preventing releasing movement of the hook relative to the eye fitting when the frame and sash arms are in their downwardly extending folded position, and friction means associated with the pivotal connection between the two arms to impose resistance to swinging movement therebetween, whereby the two arms of the adjustment link are normally held against pivotal movement with respect to each other.

2,561,087

FREQUENCY MODULATION-AMPLITUDE MODULATION RECEIVER CIRCUITS

Earl I. Anderson, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 4, 1945, Serial No. 632,727
8 Claims. (Cl. 250—20)



1. A network selectably tunable through low and high frequency bands comprising a pair of signal carrying conductors, a substantially fixed capacitance between said conductors, low and high frequency inductances, low and high frequency variable condensers, and band selector means selectably operable between two positions in one of which it connects the high frequency variable condenser in series with the high frequency inductance between the conductors to form a closed circuit which is parallel resonant at the high frequency band and in the other position, the band selector means connects the low and high frequency inductances and the low frequency variable condenser in a circuit between the conductors which is parallel resonant at the low frequency band, the high frequency variable condenser and inductance being series resonant at a frequency intermediate the low and high frequency bands.

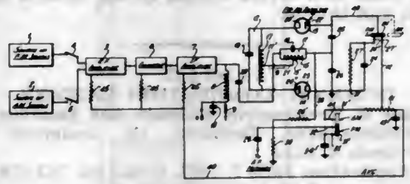
2,561,088

COMBINED AMPLITUDE AND FREQUENCY MODULATION DETECTORS

Earl I. Anderson, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 17, 1946, Serial No. 670,386
3 Claims. (Cl. 250—27)

1. In combination with a source of angle modulated carrier waves and a source of amplitude modulated carrier waves, an inductance element coupled to said sources, a frequency discriminator network responsive to said angle modulated carrier waves, a first capacitor coupling said inductance element to said network, a resistor, a pair of rectifiers connected to said network and in series with said resistor to provide a direct current path therethrough, a second and a third capacitor having a low impedance to said angle modulated carrier waves and connected across said resistor, the junction point of said second and



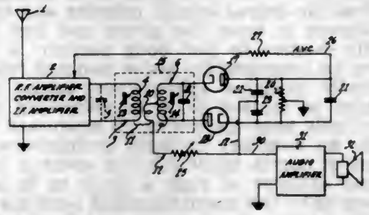
third capacitor being connected through said network to said first capacitor, a modulation frequency output circuit coupled to said network, and a circuit including switch means for selectively deriving direct current voltage either from said resistor or from said output circuit and for selectively disconnecting said resistor from said rectifiers, said first and third capacitors having such a capacitance as to tune said inductance element to the frequency of said amplitude modulated carrier waves.

2,561,089

FREQUENCY MODULATION RATIO DETECTOR

Earl I. Anderson, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 30, 1948, Serial No. 5,406
12 Claims. (Cl. 250—27)



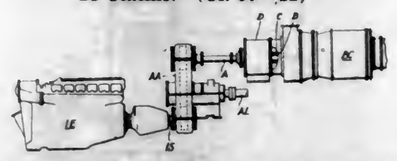
1. A ratio detector for demodulating an angle-modulated carrier wave including a frequency-discriminator network, a pair of rectifiers coupled to said network, a rectifier output circuit connected to said rectifiers for deriving a modulation output voltage, a resistor and a condenser connected in parallel, said resistor being connected to said rectifiers to form a series path with said rectifiers, said resistor and condenser having a time constant that is long compared to a cycle of said modulation output voltage, and a circuit connection between said network and said rectifier output circuit, said circuit connection including a resistance of a value chosen to minimize the response by said detector to an undesired amplitude-modulation component of the wave.

2,561,090

POWER PLANT, INCLUDING NORMALLY CONTRAROTATING TURBINE ELEMENTS FOR DRIVING A LOAD SHAFT AND MEANS FOR ROTATING SAID ELEMENTS IN THE SAME DIRECTION WHEN THE TURBINE IS IDLING

Karl Baumann, Mere, Knutsford, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain

Application May 1, 1944, Serial No. 533,630
In Great Britain November 18, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 18, 1962
14 Claims. (Cl. 60—11)



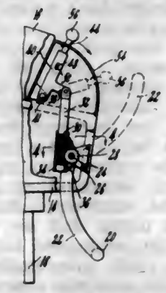
1. A power plant comprising the combination of an engine, a load shaft driven by said engine, an elastic fluid turbine for supplying additional torque at will to said load shaft, said turbine having two normally mutually-reacting contra-rotating bladed driving elements, a gear train coupling said driving elements together and at least one of said driving elements to said load shaft, said gear train including two coaxial gears connected respectively with said driving elements and gearing interconnecting said coaxial gears, said gearing comprising an element rotatable about the common axis of said coaxial gears when said turbine is running idle with said bladed driving elements rotating in the same direction, and means for preventing rotation of said element about said common axis when said bladed driving elements are rotated in opposite directions whereby said turbine may supply additional torque to said load shaft.

2,561,091

MANUALLY ADJUSTABLE FOOTRAIL

Alfred B. Bell, Philadelphia, Pa., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts

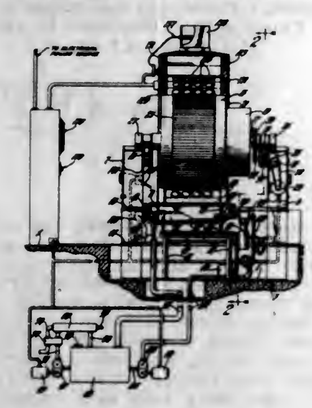
Application August 28, 1945, Serial No. 613,064
4 Claims. (Cl. 155—171)



1. In combination with a chair, a shaft rotatably mounted at the rear of said chair to rotate about a horizontal axis, a foot rail mounted on said shaft, a pinion mounted on said shaft coaxially therewith, a rack slidable within guide means carried by the chair and said rack being meshed with said pinion, a lever rockably mounted on said chair and pivotally connected to said rack to move said rack longitudinally

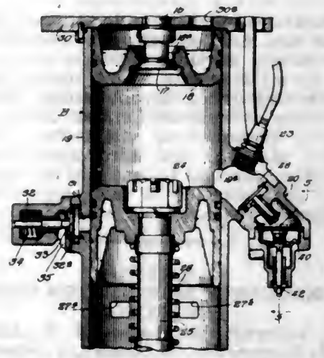
when the lever is rocked, and ratchet and pawl means carried by said chair and lever and arranged to permit free movement of the lever in one direction only.

2,561,092
ROTOR IMPREGNATING MACHINE
William F. Bell, Western Springs, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 22, 1947, Serial No. 793,126
10 Claims. (Cl. 91—55)



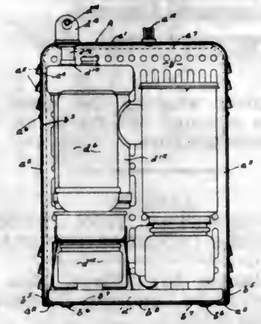
6. In an impregnating machine for a cylindrical rotor of a dynamoelectric machine the combination of horizontally aligned rotor supporting bearings, jacking means positioned below and between the bearings, an electrical motor operably connected to the jacking means, support springs on the jacking means, a tank supported on the springs, said tank having two transverse dams, each spaced from one end of the tank, one dam having end portions at a higher level than the other and a central arcuate depression intermediate the ends, a flexible seal secured in the central depression of the dam and retained in rotatable fluid sealing engagement with one end of the rotor by the tank supporting springs upon elevation of the tank by the jacking means, members secured to the bearing support members and positioned adjacent the tank, hinged tank covers pivotally connected to said members and movable out of covering relation by the tank upon elevation thereof by the jacking means, a reservoir containing impregnating heat drying varnish and a thinner, fluid circulating conduits connected externally with respect to the reservoir including a circulating pump, a heater and a flow valve acting in response to the temperature of the heater to maintain constant temperature of the varnish and thinner in the reservoir, a fluid supply conduit including a pump and an electric motor operated flow valve connected between the reservoir and the tank intermediate the dams therein, fluid drain conduits connected adjacent the ends of the tank and reservoir, speed reducing gearing operably connected to the rotor, an electric driving motor connected to the gearing for rotating the rotor slowly in the supporting bearings, a hood movable longitudinally into and out of enclosing relation with the rotating rotor and tank, said hood having a plurality of electric heating bulbs of the infrared type distributed uniformly on the insides and top of the hood, temperature responsive electric switching means for the bulbs in the hood for maintaining uniform temperature therein, a source of electric energy, energizing connections including adjustable time cycle energizing control means and manually operated starting means for the time cycle control means interconnecting the electric motors, electric heating bulbs and temperature responsive switching means therefor to control timed rotation, preheating and baking temperature of the rotor, and application of varnish and thinner thereto after preheating of the rotating rotor and before baking of the applied varnish and thinner.

2,561,093
INTERNAL-COMBUSTION RAMMER
Victor W. Breitenstein, Chicago, and Emmons R. Boddinghouse, Evanston, Ill., assignors to Francis N. Bard
Application June 7, 1947, Serial No. 753,270
3 Claims. (Cl. 123—7)



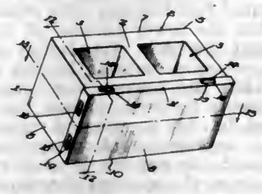
1. An internal combustion rammer of the character described, including: a body portion having a cylinder therein; a piston movable in said cylinder; a ramming foot connected to and movable with said piston; means for delivering a combustible charge to said cylinder and igniting the charge to move the piston and foot downwardly relative to said body portion; a piston spring for returning the piston and foot relatively upwardly; principal exhaust port means in said cylinder so located as to be uncovered by the piston only near the end of its downward movement; an auxiliary exhaust arrangement consisting of only a single exhaust opening, located in said cylinder at such a point as to remain uncovered by the piston during at least the major portion of its return movement effected by the spring but to be covered by the piston by the end of its return movement; a poppet valve member for closing said exhaust opening, this valve member being located in said opening so that explosion pressure admitted to said opening from the cylinder is effective against its head to move it to closed position; and a spring normally urging said valve member to open position, said spring being weak enough to permit the pressure in the cylinder during the entire explosion stroke to keep the valve member closed until the exhaust port means has been uncovered by the piston but strong enough to keep the valve member open against scavenging pressure during return movement of the piston, whereby spent gases exhaust through said same opening through which explosion pressure gases were admitted to actuate said valve.

2,561,094
CABINET CONSTRUCTION
Lee S. Chadwick, Shaker Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application October 29, 1945, Serial No. 625,135
5 Claims. (Cl. 312—329)



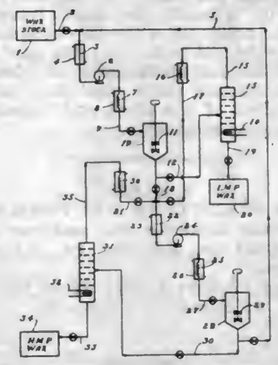
1. A cabinet for the accommodation of a unit including a base that determines the maximum width of the unit, said cabinet having a front opening defined by a forwardly projecting flange that is inset from the front edges of the side and top walls of the cabinet and is connected to said edges by parts constituting a door jamb, parallel guides rising from the bottom of the cabinet and spaced apart a distance corresponding to the width of the front opening and between which the base of the aforesaid unit reposes when inside the cabinet, and a closure for the open front of the cabinet hinged thereto and having an inwardly extending peripheral portion closely surrounding the flange that defines said front opening and bearing against the parts constituting the door jamb.

2,561,095
METAL FACED BUILDING BLOCK
Allan E. Chester, Highland Park, Ill.
Application October 10, 1945, Serial No. 621,428
2 Claims. (Cl. 72—35)



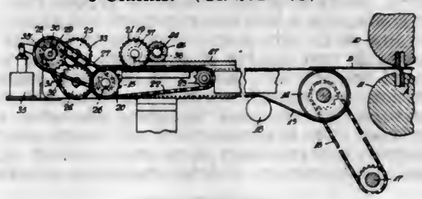
1. Building construction material comprising a building block and a facing member applied to the outer face of the block, said facing member embodying a metal body disposed adjacent but spaced from a face of the block and of an area slightly greater than the area of said face, a circumferential flange projecting inwardly from the periphery of said body and being spaced a slight distance from the proximate faces of the block to provide a space for the reception of a mastic-like material, and springy metal fastening means stamped inwardly from said flanges and integral therewith and inclined toward the body, said fastening means having straight angular edges and being sprung over the edge of the block and engaging the wall of the block.

2,561,096
SOLVENT REFINING OF WAX-CONTAINING MIXTURES
Edgar W. Clarke, Laurel Springs, N. J., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 15, 1947, Serial No. 779,922
2 Claims. (Cl. 196—17)



1. The method of separating a wax-containing mixture into fractions of higher and lower melting point, which comprises admixing said wax-containing mixture with from 3 to 5 volumes of nitrobenzene at a temperature above the cloud point of the admixture, cooling the admixture to a temperature of 1° F. to 5° F. below the cloud point such that two immiscible liquid phases are formed, one phase comprising a major portion of the higher melting wax in the form of finely divided, unfilterable particles suspended in a minor portion of the nitrobenzene, and the second phase comprising a major portion of the nitrobenzene containing dissolved lower melting wax, oil and color bodies, separating the phases from one another, and removing the nitrobenzene from each.

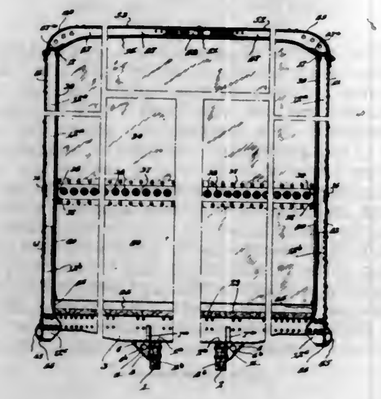
2,561,097
SHEET DELIVERY CONTROL FOR CUTOFF MECHANISMS
William H. Cleaver, Audubon, N. J., assignor to Samuel M. Langston Co., Camden, N. J., a corporation of New Jersey
Application November 8, 1946, Serial No. 708,501
6 Claims. (Cl. 271—75)



1. Mechanism for controlling the speed of sheet delivery from a cut-off mechanism, including in combination with a web advancing means and a cut-off mechanism having a cutter traveling at web speed during the cutting action, a conveyor for receiving the cut-off sheets, and traveling at a speed greater than that of the web, a positively driven feed roller coacting with said conveyor for advancing the cut off sheets, and a pair of rollers positioned beyond the end of said conveyor and spaced from said first mentioned roller to a distance less than the length of the

sheet and having a peripheral speed less than that of the conveyor and said first mentioned roller, to slow up the sheet and reduce the length of the gap between successive sheets after they leave the first mentioned roller, said pair of rollers contacting each sheet progressively throughout the length of the sheet as the latter advances, and the pressure on the sheet between said pair of rollers being less than that between the first roller and the conveyor, whereby the sheet travels at the speed of the conveyor while in engagement with the first mentioned roller and the pair of rollers slip on the sheet until the latter is released from the first mentioned roller, and then act to slow down the speed of the sheet and reduce the gap between successive sheets.

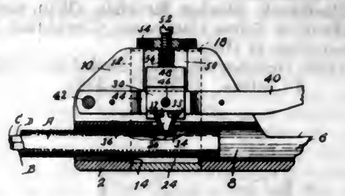
2,561,098
BODY STRUCTURE FOR VEHICLES
Nelson E. Cole, Reading, Pa., assignor to Parish Pressed Steel Co., Reading, Pa., a corporation of Delaware
Application January 9, 1947, Serial No. 721,088
2 Claims. (Cl. 296—28)



2. A skeleton metal body frame structure for a commercial vehicle; comprising a base frame including a plurality of cross sills; a side wall frame structure including vertically disposed pairs of opposed posts the lower sections of which are secured to the outer ends of the cross sills; a roof frame unit secured to the upper ends of the posts; and a belt line structure including two belt line strips which are respectively secured to the inside and outside of the posts so that they extend transversely thereof at the same vertical location, the outside strip being provided with apertures for receiving fastening elements and the inner strip being provided with apertures for insertion therethrough of a tool adapted to be used in conjunction with the fastening elements.

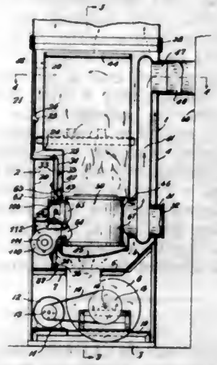
2,561,099
INSULATION CUTTER
John F. Costelow, Kansas City, Mo.
Application January 15, 1947, Serial No. 722,121
6 Claims. (Cl. 30—91)

1. An insulation cutter comprising a frame with a bore extending longitudinally therethrough, a blade adjustably mounted in the frame, a blade holder adjustably mounted in the frame and to which the blade is secured, a lever extending into an opening in the frame and provided with a loop through which the blade holder extends, and independent means pivotally connecting the lever to the frame and



the blade holder whereby the latter and the blade may be adjusted relative to an insulated cable inserted in the bore.

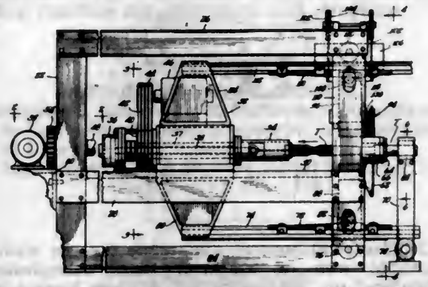
2,561,100
FURNACE CONSTRUCTION INVOLVING REMOVABLE COMBUSTION CHAMBER HOUSING
John A. Dahlstrom, Bay Village, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application October 4, 1946, Serial No. 701,302
3 Claims. (Cl. 126—116)



1. Heating apparatus comprising a casing having a removable front wall, a combustion chamber housing removably supported within the casing, a liquid fuel burning unit removably supported within the lower portion of the combustion chamber housing, the front wall of the combustion chamber housing having an opening through which the burner unit may be withdrawn, a closure for said opening, the front wall of the casing having an opening registering with that of the combustion chamber housing, and a frame detachably applied to said front wall of the casing about the opening therein and having a part extending rearwardly through said opening and engaging said closure.

2,561,101
ROTARY PEENER
Clarence L. Dewey, Grand Rapids, Mich.
Application February 3, 1947, Serial No. 726,043
1 Claim. (Cl. 29—90)

A machine of the class described, including a frame having a fixed vertical work head at one end and provided at a point between its top and bottom with horizontal rails, a head stock slidable along the rails and provided with means for engaging metal tubing for drawing the same through the work head, said head stock extending above and below the rails, upper and lower blocks slidably mounted in the work head, a lower roller mounted on the lower slide block, said upper slide block being provided with spaced upwardly extending legs, an inner block vertically slidable between and guided by said legs, an upper roller mounted on the inner vertically slidable block, upper and lower templets slidably



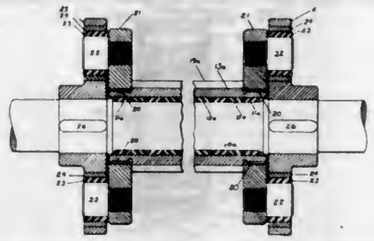
mounted in the frame and connected with and actuated by the head stock and located at the upper and lower portions thereof and arranged to engage said rollers, and means carried by the upper and lower slide blocks for operating on the tubing drawn through the work head.

2,561,102
BASE FOR SWIVEL CHAIRS
Tom Elleman, Port Washington, Wis., assignor, by mesne assignments, to The Seng Company, Chicago, Ill., a corporation of Illinois
Application December 23, 1944, Serial No. 569,522
2 Claims. (Cl. 248—194)

1. A hub for a chair base comprising: a cast iron sleeve adapted to receive and rotatably support a chair iron spindle, said sleeve having a flange at its upper end and a flat bottomed shoulder adjacent its lower end; a top plate abutting the underside of said flange and having a press fit on said sleeve; stamped sheet metal leg brackets having upright leg engaging side arms secured to said top plate to anchor said brackets; and means secured to the sleeve in abutting relationship to the flat bottom of said shoulder to secure the lower ends of the leg brackets in spaced relation to the sleeve while leaving the leg engaging side arms free to flex.

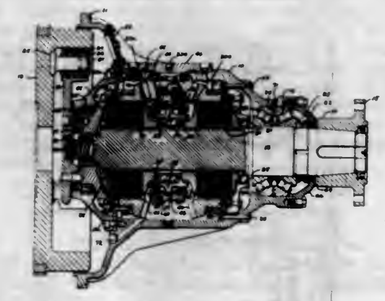
2,561,103
CUSHIONED GEAR
Thomas L. Fawick, Cleveland, Ohio
Original application April 27, 1945, Serial No. 590,692. Divided and this application July 24, 1946, Serial No. 686,013
2 Claims. (Cl. 64—27)

1. A cushioned gear assembly comprising a rigid hub member, a rigid toothed gear ring surrounding the hub member and therewith defining an annular space, cushioning means in said space and having engagement with the hub member and the ring for transmission of torque between the two, a rigid drive member directly splined to the toothed ring and of greater radial



extent than the tooth portion of the ring, a rigid drive member secured on the hub member in close proximity to the first said drive member, and cushioning means at a radius greater than that of the toothed part of the ring for transmitting torque between the two said rigid drive members.

2,561,104
REVERSE GEAR
Thomas L. Fawick, Cleveland, Ohio
Application June 17, 1947, Serial No. 755,156
3 Claims. (Cl. 74—379)

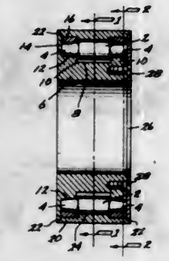


1. A gearing assembly comprising a radial-axis gear, a gear-case member having an opening at the position of said gear, an axle stud for said gear having a base constituting a closure member for said opening, and an annular-chamber cylinder-and-piston structure radially inward from said gear and having on its outer periphery means for interlocking it with said axle stud, by radial movement of said stud, against relative axial movement.

2,561,105
RADIAL ROLLER BEARING
Willard G. Forkey, Augusta, Ga.
Application November 10, 1948, Serial No. 59,227
1 Claim. (Cl. 308—213)

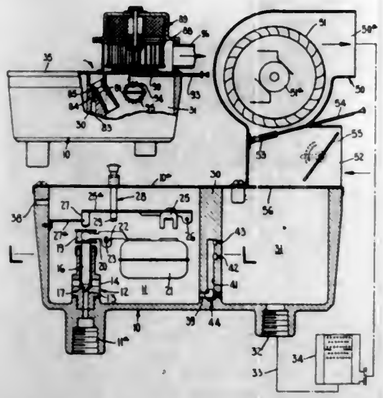
In a roller bearing having bearing surfaces of different diameters, said surfaces comprising central cylindrical bodies and tapered necks, an interior collar having a peripheral groove forming a track for the central bodies, inclined walls on the collar forming races for the necks, the diameters of the respective races being propor-

tionate to the diameters of the bearing surfaces whereby the arcs of travel of the surfaces are proportionate, an exterior collar having an integral interior rib forming a race for the central bodies, separate rings having spaced neck receiv-



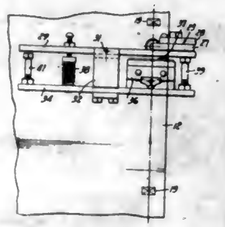
ing notches positioned on opposite sides of the interior rib to form races for the necks, and a plate removably attached to said interior collar and engaging the exterior collar to retain said collars in related relation to each other.

2,561,106
FUEL FEEDING CONTROL MEANS RESPONSIVE TO AIR BLOWER PRESSURE
Andrew K. Foulds, Grosse Pointe, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application January 20, 1945, Serial No. 573,683
6 Claims. (Cl. 158—36.1)



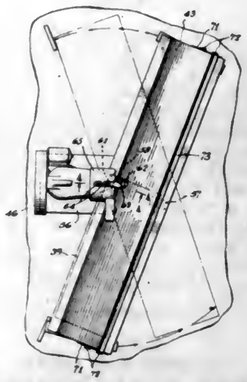
6. In a burner control apparatus: fuel feeding means comprising a liquid fuel supply chamber and an outlet passageway therefrom arranged therefrom to effect a flow of fuel in accord with a differential of air pressure between said chamber and the outlet end of said passageway; means forming an air flow passageway for supplying air to a burner, a blower interposed in said air flow passageway for effecting a flow of air, a pair of dampers in said air flow passageway independently adjustable to control both the volume of air discharged therefrom and the air pressure in the passageway space between the dampers, and said fuel feeding means communicating with the passageway space between said dampers so that the air pressure differential thereacross will be varied with damper adjustment.

2,561,107
ELECTRICAL CONTROL APPARATUS
Rene J. Gaubert, Oakland, Calif., assignor to Simplex Packaging Machinery, Inc., Oakland, Calif., a corporation of California
Application October 4, 1949, Serial No. 119,516
5 Claims. (Cl. 200—52)



2. Electrical control apparatus for use with a movable web of material like "cellophane," "Pliofilm" or "polyethylene," the web having ink markings printed thereon and spaced longitudinally of the web, a pair of spaced anvils disposed on opposite sides of the material in line with the path of movement of the markings, the faces of said anvils being in close parallel relationship and substantially in contact with the adjacent surfaces of the web, the spacing between said anvils permitting relatively free movement of the web between the same but offering substantial resistance to passage of said markings, means forming a mounting for said anvils and for holding the same in rigid relationship relative to each other, one of said anvils being adjustable on said mounting relative to the other anvil to adjust said spacing, means for supporting the mounting for limited movement of the same in a direction longitudinally of the web, and a pair of electrical contacts operated between open and closed positions by movements of said mounting.

2,561,108
SEAT ROLL CONSTRUCTION FIXTURE
George L. Gerber, Naperville, Ill., assignor to Kroehler Mfg. Co., Naperville, Ill., a corporation of Illinois
Application June 14, 1950, Serial No. 168,059
7 Claims. (Cl. 1—2)



1. An apparatus for stitching together a spring filled steel subassembly and a multiple fabric and padding subassembly which comprises, a work table carried upon a mobile support structure, caster wheels under said support structure disposed to direct said structure to be rolled to and

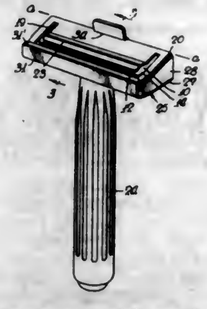
fro about an arcuate path, an automatic staple forming and clinching machine associated with said structure and work table, a pivotal articulation connecting said structure with a base portion of said staple-forming and clinching machine and constituting the pivotal center of said arcuate path, and a control treadle for operating said stapling machine mounted upon said structure.

2,561,109
SEMICONDUCTOR DEVICE
Lawrence J. Giacoletto, Eatontown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 29, 1950, Serial No. 152,677
4 Claims. (Cl. 175—366)



1. A semi-conductor device comprising a metallic member having an elongated groove therein, a bar of semi-conducting material provided in said groove, said bar having an edge substantially parallel to said groove and disposed beyond said member, an insulating layer covering the exposed surface of said member, and at least two wires disposed spirally about said member and extending across said edge to provide rectifying contacts between said wires and said bar.

2,561,110
SAFETY RAZOR
Edward J. Gray, New York, N. Y.; Irene Carol Gray executrix of said Edward J. Gray, deceased
Application November 13, 1945, Serial No. 628,081
22 Claims. (Cl. 30—67)



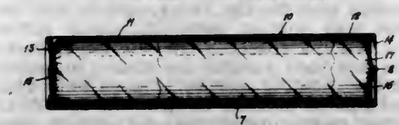
2. A safety razor comprising a handle, a head, a blade and guard unit comprising a resilient blade having a cutting edge, and an edge guard unitary with said blade and lying in the same plane as said cutting edge, said edge guard having integral therewith registering blade clamp leaves, at least one of said leaves having a stiffening rib longitudinally and near the edge thereof closest to the cutting edge, means rising from said head near the forward and the rear edges of the latter for releasably gripping the corresponding edges of the blade guard, at least one of said means being resilient, and a ridge conformation on the face of said head engaging the lower of the clamp leaves and deflecting the clamp leaves with the interposed cutting edge out of the plane of the edge guard.

2,561,111
CONTAINER WITH SPRING-BIASED CLOSURE HAVING MEANS FOR DISPENSING A MEASURED QUANTITY OF CONTAINER CONTENTS
Alfred W. Grote, Freeport, Maine
Application November 29, 1946, Serial No. 712,929
4 Claims. (Cl. 222—336)



1. In a powder dispensing container having a tubular outlet in a wall thereof, a closure member nicely fitting in said outlet and slidable therein between outer and inner positions in each of which it closes said opening, said closure member having a chamber therein with entrance and discharge openings, of which the entrance openiny is closed by the tubular walls of said outlet, and the discharge opening is open when the closure member is in its said outer position, and the entrance opening is open interiorly of the container and the discharge opening is closed by the tubular walls of said outlet when said closure member is in its said inner position, and said closure element being movable to an intermediate position in which both said entrance and discharge openings are at least partially open, and means interiorly of the container engaging said closure member and constantly biasing it to its said outer position, said means having a portion adjacent to the inner end of said tubular outlet and movable in response to movements of the closure member thereby to agitate powder which is in position to enter the entrance opening of said chamber when the closure member is moved to its said inner position.

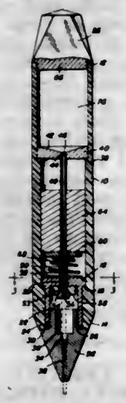
2,561,112
HOSIERY PACKAGE
Douglas Hahn, Ridgewood, N. J., assignor to B. Altman & Co., New York, N. Y., a corporation of New York
Application December 4, 1947, Serial No. 789,604
2 Claims. (Cl. 206—46)



2. A cylindrically-shaped hosiery package composed of a pair of stocking and a wrapper of smooth, transparent material formed into a roll, and a cylindrically-shaped container for said roll, said container including a unitary sheet of relatively non-stretchable material having its longitudinal edges secured together to form a tubular body portion of fixed diameter, said body portion having a length such that its ends project slightly beyond the ends of the stocking roll enclosed thereby and having opaque end sections of substantial width to conceal the end portions of said stocking roll and being transparent intermediate said opaque end sections to expose to the view of an observer the intermediate portion of said

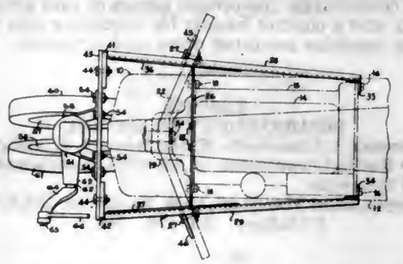
stocking roll, the opaque end sections of said body portion being rolled inwardly to provide internal beads, a pair of end discs each contained within said body portion between said beads and each engaging the inner surface of a bead to close an end of said body portion, said stocking roll being formed to press resiliently radially outwardly to bring its outermost layer into smooth, snug engagement with the interior surface of said body portion and having a length such as to maintain said end discs seated on said beads, one of said end discs being constituted of relatively light, readily distortable material and provided with a central opening to enable the fingernail of a user to be inserted therethrough and by an outwardly applied force to be readily withdrawn in distorted condition past the relatively rigid bead on which it is seated, said radially resilient stocking roll being compressible to permit its withdrawal past the inturned bead on which said light paper end disc is seated.

2,561,113
GRAVITY AND INERTIA FED PENCIL
Henry T. Hallberg, Chicago, Ill.
Application May 3, 1948, Serial No. 24,860
6 Claims. (Cl. 120—17)



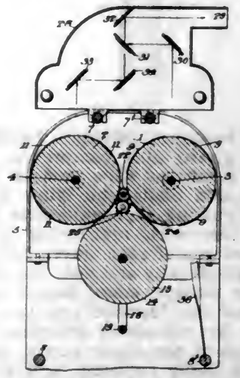
6. A mechanical pencil comprising an open ended body, a tip carried by one end of said body having an axial bore, a conduit fixed in said body intermediate the ends of the body, a feed chamber provided in said body and interposed between the conduit and the tip, an expansible and contractible lead holding member slidably carried by said conduit adjacent the tip, guide means fixed in said body guiding the sliding movement of said lead holding member, means for forcing the lead holding member downwardly toward the tip, spring means urging the lead holding member toward a raised and retracted position, said guide means also limiting the raising movement of said lead holding member, and an operating member movable on said lead holding member to contract the lead holding member upon movement of the lead holding member away from the tip and engagement of the operating member with the guide means, said tip having an inner end constituting a stop for engaging the operating member to limit sliding movement of the operating member, the inner end of said tip including a recess receiving the lead holding member therein to permit expansion of the lead holding member as the lead holding member is moved downwardly from the operating member upon engagement of the operating member with said guide means.

2,561,114
FRONT WHEEL MOUNTING FOR TRACTORS
Joseph O. Hardin, Jr., Shelby, N. C.
Application October 14, 1949, Serial No. 121,419
4 Claims. (Cl. 280—87)



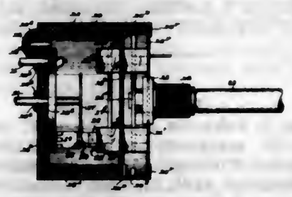
1. In a tractor having a chassis provided with rear wheels thereon and having a front axle pivotally mounted on said chassis, said front axle extending outwardly on each side of the tractor, a U-shaped bar connected to said front axle at points remote from the ends of the axle and extending beneath said chassis and connected to said chassis to hold the axle against pivotal movement, a front wheel support frame comprising a pair of bars mounted one on each side of the chassis of the tractor and secured at their rear ends to the chassis and extending forwardly and being secured at their medial portions to the axle and having reinforcing plates on the proximate front portions thereof, said bars having substantially triangular-shaped reinforcing plates secured to the bottom front surface thereof, said bars also having abutment plates secured to the front ends thereof and to the first-named reinforcing plates and the triangularly-shaped reinforcing plates, and a transverse plate secured to the abutment plates, whereby a conventional front wheel assembly having closely spaced front wheels thereon may be mounted on the transverse plate of the wheel support frame.

2,561,115
MACHINE FOR AND METHOD OF REGISTERING PRINTING PLATES
Earle L. Harley, Brooklyn, N. Y.
Application January 4, 1949, Serial No. 69,093
5 Claims. (Cl. 101—174)



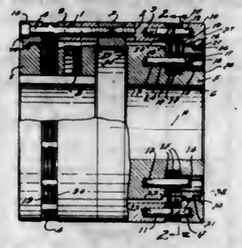
1. In combination, a frame, first, second and third cylinders permanently mounted therein, the first and second cylinders being located side by side and the third cylinder being located beneath the first and second cylinders, means for rotating the said cylinders in unison, flexible backing sheets removably fastened around the first and second cylinders and a proof sheet removably fastened around the third cylinder, flexible color printing plates, plates for printing one color being secured to the backing sheet on the first cylinder, and plates for printing another color being secured to the backing sheet on the second cylinder in register with their corresponding plates on the first cylinder backing sheet, a mirror unit mounted on the frame in position to reflect the superimposed images of corresponding plates on the two backing sheets to a predetermined observation point, means for inking the plates, and means for moving the third cylinder with its proof sheet upwardly into printing contact with the plates to be printed thereby before the backing sheets with their registered printing plates are removed from their first and second cylinders.

2,561,116
VARIABLE RESISTOR
Zygmunt Hof, Jerusalem, Palestine
Application August 7, 1947, Serial No. 767,193
1 Claim. (Cl. 201—55)



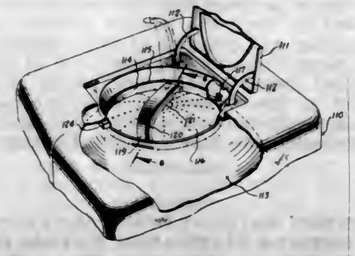
As a new article of manufacture, a radio volume control comprising an outer casing, a sealed envelope snug therein, and carrying a resistance and a cooperating sliding contact therefor, and having a nicely finished cover disc, and cooperating magnets disposed one on each side of said cover disc, said magnets being of generally similar physical and magnetic dimensions and characteristics, and each comprising an elongated central bar of comparatively small mass and cross-section and like magnetic elements disposed one at each end of each said bar of cross-sectional area and of mass which are substantial compared to those of the cooperating bar so as to impart substantial moment of inertia thereto, the outer magnet being disposed flush against the cover disc, means disposed centrally of the elongated bar of said outer magnet and projecting normally therefrom whereby said outer magnet may be quickly and accurately adjusted to any selected position relative to said resistance and sliding contact, manually and at the will of the operator, the said means comprising a rotatable shaft on which said outer magnet is carried, and including means for manually rotating said shaft, and the inner magnet being attracted flush against the cover disc by the outer magnet and carried freely, rotating in locked step with the outer magnet, said inner magnet being operably connected in magnetic sense with said sliding contact, but electrically insulated therefrom, so as to accurately and quickly position said sliding contact relative to said resistance in exact conformity with the manually-adjusted instantaneous position of the outer magnet, electric terminals for said resistance and said sliding contact extending exteriorally through said sealed envelope, a spiral of electrically conducting metal interconnecting one said terminal and said sliding contact and made fast to each of them in fixed and non-movable manner, and a stop provided in the outer casing for limiting the motion of the outer magnet so that the sliding contact remains always in contact with the resistance.

2,561,117
FLEXIBLE DRIVE COUPLING
James F. Hoffer, Detroit, Mich.
Application November 6, 1947, Serial No. 784,355
3 Claims. (Cl. 64—12)



1. A flexible coupling comprising a hub member, a pair of ring members disposed in encircling and spaced relationship with respect to said hub member, a plurality of angularly disposed flexible leaf elements interconnecting said members and uniformly spaced therearound, the outer ends of said elements being disposed between said ring members and rigidly connected thereto, and means rigidly connecting the inner ends of said elements to said hub member.

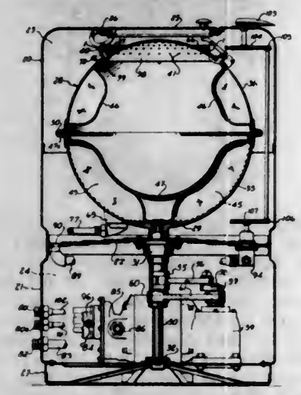
2,561,118
CLOSURE
John F. Horvath, Milwaukee, Wis., assignor to Appliance Corporation of America, Milwaukee, Wis., a corporation of Wisconsin
Application April 8, 1946, Serial No. 660,482
5 Claims. (Cl. 220—10)



2. A laundry machine comprising an outer casing having an opening in one wall and a lid hinged adjacent to the casing opening for swinging movement of the lid to open and closed position, a container having a spherically curved wall formed with a discharge opening and having an upstanding lip around the margin of said opening adjacent said casing opening, a spherically curved cover mounted inside of the container at said discharge opening and swingably connected to said container wall to move into open and closed positions, a handle swingably mounted on the outer face of said cover adjacent one edge thereof, the length of the handle being substantially the same as the diameter of the discharge opening, the handle when swung upwardly striking one edge of the discharge opening and lip when the cover is moved to open position, and both ends of the handle striking the lip at opposite edges of the discharge opening when

the cover is closed and the handle moved against the cover, the handle when open preventing closing of the casing lid.

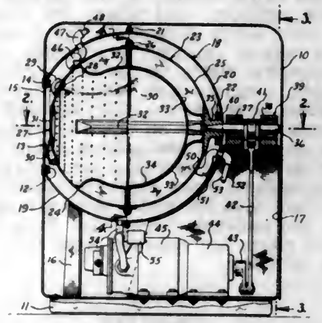
2,561,119
AUTOMATIC LAUNDRY MACHINE OF THE SQUEEZER TYPE
John F. Horvath, Milwaukee, Wis., assignor to Appliance Corporation of America, Milwaukee, Wis., a corporation of Wisconsin
Application April 11, 1946, Serial No. 661,225
12 Claims. (Cl. 68—12)



11. A laundry machine for washing, rinsing and extracting cleaning liquid from textiles being cleaned, comprising a container, means for introducing washing and rinsing liquids into the container, a flexible member for dividing the container into a washing compartment and a compression compartment, a time controlled means for controlling the washing and rinsing operations, means operated by the time controlled means for initiating the introduction of liquid under pressure into the compression compartment to force the flexible member against said textiles and the wall of said container and at the same time stopping operation of the time controlled means, and means which after the pressure in the compression chamber has built up to a predetermined amount will again start into operation the time controlled means.

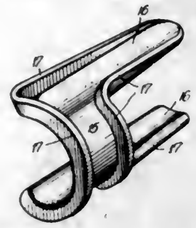
2,561,120
LAUNDRY MACHINE CONSTRUCTION INCLUDING A DIAPHRAGM EXTRACTOR
John F. Horvath, Milwaukee, Wis., assignor to Appliance Corporation of America, Milwaukee, Wis., a corporation of Wisconsin
Application August 2, 1946, Serial No. 688,032
2 Claims. (Cl. 68—21)

1. In a washing machine, a stationary imperforate outer container, and an inner substantially spherical container comprising a hollow hemispherical front section and a hollow hemispherical rear section secured together around their meeting edges, the front section having perforations and the rear section being imperforate, said inner container being rotatably mounted on a horizontal axis in said outer container, said inner container being provided with spaced rigid ribs on the interior of its rear section and flexible ribs on the interior of its front section, said front section ribs being respectively in the same planes as said rear section ribs, said ribs each being in an axial plane of said container, a flexible diaphragm normally covering the interior of said rear section and snugly overlying the ribs therein, and means connected to said inner container for introducing fluid under pressure between said flexible member and the walls of the inner con-



tainer to expel the wash water and rinse water from the inner container and clothes, said flexible ribs being compressed against the wall of the inner container when the diaphragm is in its most forward position to avoid injury to the clothes which might occur if these ribs were rigid.

2,561,121
PIPE ANCHOR
Malcolm S. Johnson and Gilbert F. Oakley, Chicago, Ill., assignors to Central Railway Supply Company, Chicago, Ill., a corporation of Illinois
Application April 13, 1949, Serial No. 87,154
3 Claims. (Cl. 248—55)



1. A pipe anchor comprising a substantially semi-circular and springy band and circumferentially spaced elongated finger-like elements integral with the ends of the band and disposed forwardly at right angles to the band to extend longitudinally with the sides of the pipe, the band and elements having concaved pipe seating inner surfaces while the exterior of the anchor has tapered wedge providing surfaces.

2,561,122
LIVESTOCK PROD
John Juergens, McHenry, Ill., assignor to Leterstone Sales Co., a corporation of Illinois
Application October 29, 1948, Serial No. 57,273
3 Claims. (Cl. 231—2)

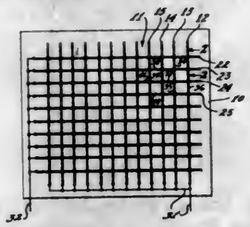
1. A prod for animals comprising an insulated casing serving as a handle and having therein a receptacle for a battery, electrical conductor means within said receptacle for contacting a battery, a vibratory inverter of the autotransformer type mounted within said casing for changing direct current from a battery into high potential current, said inverter having a single winding and an armature actuated thereby, a

push button switch biased to open circuit position interposed between said battery receptacle and said inverter, a helical spring, a tubular metal rod conected to said casing by said helical spring,



an insulator mounted on the outer extremity of said rod, a plurality of ring electrodes mounted on said insulator and extending exteriorly thereof, and circuit connections between said inverter and said electrodes.

2,561,123
MULTICONTACT SEMICONDUCTOR DEVICES
Jerome Kurshan, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 4, 1950, Serial No. 153,798
8 Claims. (Cl. 175—366)



1. A semi-conductor device comprising a body of semi-conducting material having a surface, a mesh screen consisting of two sets of filamentary conductors, each of said conductors being covered by an insulating layer except on one surface of said screen, means for pressing and holding the uncovered conductive screen surface in electrical contact with the surface of said body, and conductive means interconnecting selected conductors of each set, thereby to provide a plurality of small-area contacts between each of said conductors and said body.

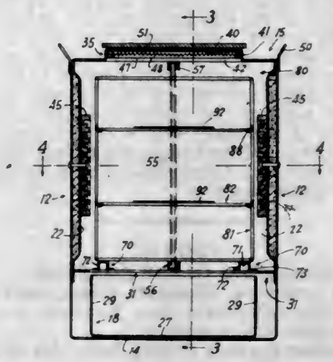
2,561,124
CIGARETTE EXTINGUISHER
Robert F. Lacker, Hamilton, Ohio
Application November 1, 1946, Serial No. 707,109
3 Claims. (Cl. 131—237)

1. Extinguishing means for cigarettes or the like comprising a member configurated to provide a pocket, a substantially U-shaped bi-metallic element disposed within the pocket, one end of the U-shaped bimetallic element being fixed to the wall of said pocket and the other free end, whereby the free end of said element is flexed toward the fixed end under the



action of the heat of a burning cigarette in said pocket, a portion of the free end of said element cooperating with the wall of the pocket to grip and hold the cigarette in said pocket until the cigarette is extinguished.

2,561,125
COOKING DEVICE
Joseph Leibowitz, Brooklyn, N. Y.
Application August 10, 1945, Serial No. 610,142
8 Claims. (Cl. 126—275)

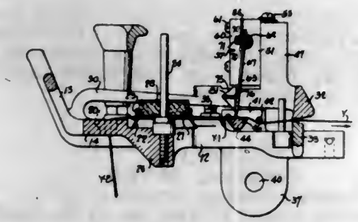


1. A cooking device of the character described comprising a casing having side walls, a rear wall, a bottom wall, a top wall, and a front wall, the front wall being provided with an opening, a door hinged to said front wall to close said opening, heating elements at the inner sides of the side walls of the casing, a drawer at the bottom of the casing, a support within the casing above the drawer and below said door, a channel extending from front to rear on said support opening upwardly, and a channel attached to the underside of the top wall and extending from front to rear and opening downwardly in opposed relation to said first mentioned channel, said channels being disposed between said heating elements and forming means for supporting a vertically disposed, removable hand grid between said heating elements and above said drawer.

2,561,126
SLUB CATCHER
Peter B. Lewis, Aberdeen, N. C., assignor to Robbins Cloth Mills, Inc., Robbins, N. C., a corporation of North Carolina
Application June 15, 1949, Serial No. 99,177
7 Claims. (Cl. 28—64)

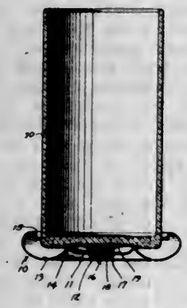
1. A slub catcher for textile yarns comprising a bracket adapted to be mounted in a substantially horizontal plane and having a resilient arm at one side thereof disposed in a substan-

tially parallel relation to the bracket, an anvil extending laterally across said bracket and having a flat upper surface across which the yarn is adapted to pass, an upwardly projecting post integral with said arm, a vertically adjustable block mounted on the upwardly projecting post, an arm extending laterally from the vertically adjustable block and being disposed slightly offset from a vertical plane passing through the anvil, a cam bar extending in spaced parallel relation to the anvil and being disposed between the anvil and the bar extending from said block,



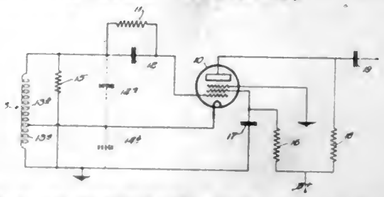
a resilient blade extending from the bar and terminating in slightly spaced relation to the upper surface of the anvil, the surface of the blade facing the source from which the yarn is moving being adapted to normally engage the cam member whereby, upon a slub portion in the yarn engaging said blade as the yarn passes between the lower edge of the blade and the anvil, the lower edge of the blade will be drawn away from the cam bar and into engagement with the anvil to clamp the yarn therebetween and to cause it to break under tension.

2,561,127
DRINKING GLASS COASTER
Harry A. Lockwood, Westport, Conn., assignor to Clark Metal Products, Inc., Fairfield, Conn., a corporation of Connecticut
Application January 5, 1949, Serial No. 69,267
2 Claims. (Cl. 65—53)



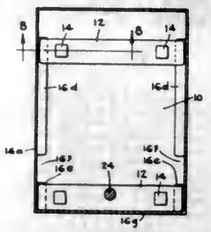
1. A drinking glass coaster comprising a rigid body member including a central recessed portion having a centrally disposed aperture, an annular recessed portion surrounding said central recessed portion, an annular rigid ridge portion integral with and connecting said recessed portions and having an upper edge disposed in a horizontal plane, and a suction cup member secured in said aperture in inwardly spaced relation to said ridge portion and having its upper edge normally in a horizontal plane spaced above the horizontal plane of the upper edge of said ridge portion.

2,561,128
SUPERREGENERATIVE RADIO APPARATUS
Leonard A. Mayberry, Wheaton, Ill., assignor to The Hallicrafters Co., a corporation of Illinois
Application October 22, 1947, Serial No. 781,338
3 Claims. (Cl. 250—20)



3. A superregenerative circuit of the character described, including: an amplifier tube; a tuned input circuit coupled to said tube, said circuit having a ratio of reactance to resistance of substantially four at its resonant frequency and having a short oscillatory decay time; an output circuit coupled to said tube; coupling between said circuits for causing said tube to oscillate; and means coupled to one of said circuits for quenching such oscillations at a predetermined rate, such means comprising a resistance-capacitance network developing a voltage sufficient to cut off said tube, said network having a time constant longer than said oscillatory decay time and having a voltage decay time such that said tube is held below cutoff for a period longer than said first mentioned decay time.

2,561,129
SAFETY BOX STRUCTURE
Robert D. McBride, Minneapolis, Minn.
Application March 16, 1946, Serial No. 654,906
3 Claims. (Cl. 109—52)

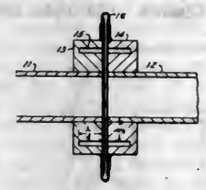


1. A safety box structure having in combination, a casing having a chamber therein, laterally spaced inwardly extending members on said casing at the bottom thereof, said members having alined openings in their adjacent sides, members secured to a floor and spaced above the same, said second mentioned members being of a width to pass through said openings whereby said casing can be moved downwardly so that said second mentioned members can pass through said openings and then move longitudinally to bring portions of said first mentioned members beneath said second mentioned members.

2,561,130
WAVE GUIDE COUPLING
Cyril E. McClellan, Baltimore, Md., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application August 2, 1944, Serial No. 547,717
2 Claims. (Cl. 178—44)

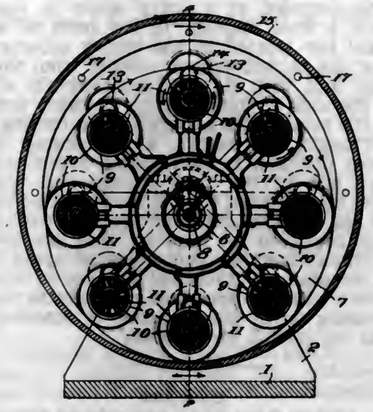
1. A wave guide for electromagnetic waves, comprising a pair of hollow members having walls

of conducting material terminating in two substantially coextensive openings, a choke coupling comprising a ring of conducting material, having an annular groove therein, positioned at one of said openings, a second choke coupling at the other said opening, and a sleeve of flexible con-



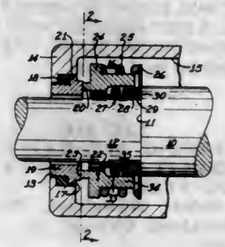
ducting material continuously connected at its respective ends to said choke couplings to form a gas-tight joint therebetween, the distance along the axis of said wave guide between successive couplings being an odd number of quarter-wave lengths of the electromagnetic energy traversing said guides.

2,561,131
ELECTRICALLY OPERATED POWER PLANT
Jose S. Oropeza, Los Angeles, Calif.
Application March 16, 1949, Serial No. 81,645
1 Claim. (Cl. 172—36)



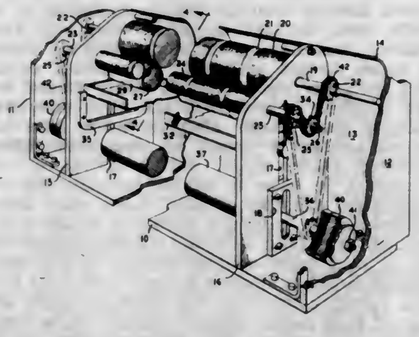
In an electrically operated power plant of the multiple motor type, the combination with a crank axle and its main axis, a rotary impeller and its fixed axle eccentric to the main axis of the crank axle, an annular series of motors mounted in the impeller, transversely arranged armature crank shafts for the motors, and axially aligned eccentric journal ends rigid with said shafts, of an enclosing rotor housing journalled on the crank axle concentric with the main axis of the crank axle, said rotor housing having spaced aligned bearings for the eccentric journal ends, the armature crank shafts being so formed that the throw of said armature crank shafts are equal to the throw of the crank axle, means for supplying electric energy to the motors and said rotor housing adapted to be engaged by a suitable belt to provide a power take off for the power plant.

2,561,132
ROTARY SEAL WITH O RING
Frank E. Payne, Glencoe, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application October 4, 1946, Serial No. 701,371
2 Claims. (Cl. 286—11.15)



1. A fluid sealing device for effecting a seal between relatively rotatable elements comprising a sealing washer having a radially outwardly extending flange and a radially inwardly extending flange, a retainer for the washer having a cylindrical wall telescopically disposed with respect to the washer and a pair of radial sections, one axially spaced from each flange, said radial sections being axially separated from one another, a cylindrical section connecting the spaced radial sections such that a recess is formed in the retainer; spring means compressed between one flange and the radial section spaced from said one flange to urge the washer away from said radial section, and a ring of resilient compressible material compressed between the washer and the cylindrical wall in the space defined by the other flange and the radial section spaced therefrom to effect a fluid-tight seal between the washer and retainer, means for preventing relative rotation between the washer and retainer, and means compressed in the recess in the retainer and against one of the relatively rotatable elements to prevent relative rotation between the retainer and the said one relatively rotatable element.

2,561,133
WEAR TESTER
William B. Petkewicz, Dayton, Ohio, assignor to The Orr Felt & Blanket Company, Piqua, Ohio, a corporation of Ohio
Application April 1, 1947, Serial No. 738,667
3 Claims. (Cl. 73—7)



1. In wear testing apparatus, a friction roll having a gear at each end, a second friction

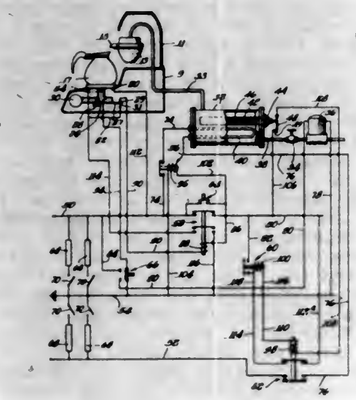
roll of a diameter different from said first friction roll and having a gear at each end, a material carrying roll adapted to engage said friction rolls and having a diameter different from that of either of said friction rolls, a pinion at each end of said material carrying roll, a pair of endless chains, one being arranged at each end of said rolls so that it passes over said gears and beneath said pinion to suspend said material carrying roll, a gear engaging each of said chains within the lower bends thereof, and an adjustable weight carried by said gears.

2,561,134

WATER-HEATING APPARATUS AND CONTROL CIRCUIT FOR USE IN A BEVERAGE BREWING SYSTEM

Herbert W. Peters, Milwaukee, Wis., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware

Application June 9, 1948, Serial No. 32,003
9 Claims. (Cl. 219—39)



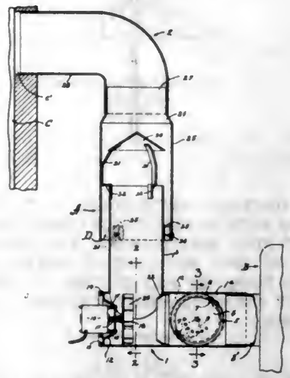
1. In a water heating system or the like, an electric heater element for heating the water, a thermostat responsive to the temperature of the water, said thermostat including a contact which is closed only when the water is below a predetermined temperature and otherwise open, a normally closed electromagnetically operated valve for controlling the flow of water through the system, an electromagnetically operated heater control switch including a normally open contact in series with said heater element and having its electromagnet winding in series circuit with said thermostat contact, said normally open contact being closed when said winding is energized and thus effective to energize said heater element when said thermostat contact is closed, an electromagnetically operated valve-control switch operative, when energized, to close a circuit through the electromagnet winding of said valve, said heater-control switch having a normally closed contact included in circuit with the electromagnet winding of said valve-control switch, and a master control switch operative to open and close a current supply circuit for the electromagnet windings of said heater-control switch, valve-control switch and valve, the electromagnet of said valve-control switch having a holding circuit in series with said master control switch.

2,561,135

MECHANICALLY DRIVEN IMPELLER TYPE DRAFT INDUCER FOR COMBUSTION APPARATUS

Marc Resek, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application June 3, 1946, Serial No. 674,013
5 Claims. (Cl. 110—162)



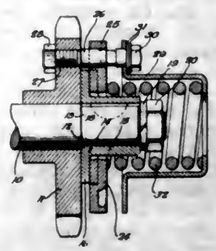
1. A device of the class described comprising a casing structure that serves as a conduit and that is provided with a first branch adapted for connection at its inlet end to the products outlet of a combustion apparatus and with a second branch disposed at a sharp angle to the first branch, a fluid impeller in the form of a centrifugal fan located in the casing adjacent the side of the second branch remote from the first branch and with its axis substantially aligned with the axis of the latter for drawing products from the combustion apparatus and forcing them on through the casing, a convergent throat member disposed in said casing about the discharge end of the first branch and with its smaller end directed toward the center of the impeller for concentrating the products toward the central region of the impeller, said impeller and said throat member being spaced apart in an axial direction a substantial distance so as not to interfere with the free flow of products through the casing when the impeller is inactive, and means for driving the impeller.

2,561,136

OVERLOAD RELEASE COUPLING

Martin A. Richardson, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin

Application July 4, 1945, Serial No. 603,129
1 Claim. (Cl. 64—29)



An overload release clutch mechanism for a right-angle drive including driving and driven

torque-transmitting elements, one of said elements comprising a rotatable shaft and the other comprising a rotatable element journaled for rotation relative to said shaft and having a torque-transmitting periphery, said clutch mechanism comprising a first clutch member secured to said shaft and having a radially extending disc portion, said disc portion having means on one face thereof forming a serrated clutching surface, an annular clutch member surrounding said shaft adjacent said disc portion and having a coacting serrated clutching surface, means mounting said annular member for rotation in torque-transmitting relation with said other torque-transmitting element and for axial movement relative to said shaft and said first clutch member, spring means normally urging said annular member toward said first clutch member to maintain said serrated surfaces in clutching engagement to transmit torque between said elements, said spring means being yieldable under overload conditions on said serrated faces to permit axial movement of said annular member out of said clutching and torque-transmitting engagement, said first clutch member having a hub portion secured to said shaft and extending through said annular member, the walls of the opening in said annular member being spaced a substantial distance from the surrounded hub portion, said spring means comprising a coil compression spring surrounding said shaft.

2,561,137

METHOD OF PRESERVING EGGS

Charles Ross, Tulsa, Okla.

No Drawing. Application August 31, 1950, Serial No. 182,620
6 Claims. (Cl. 99—161)

1. The method of preserving eggs which consists of cooking freshly laid unshelled eggs for approximately one hour's time until they are changed to a state of substantial solidity, removing the shells of the cooked eggs, washing the shelled eggs by placing in a receptacle containing water for a period of eight to sixteen hours, and then cooking the shelled and washed eggs at a temperature of 200 to 210 degrees Fahrenheit from two to four hours to eliminate any excessive moisture from the washing thereof.

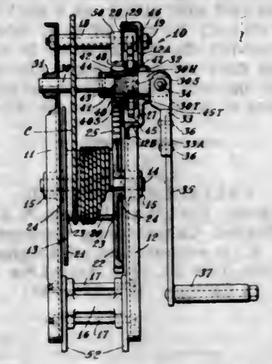
2,561,138

WINCH, HOIST, AND THE LIKE

Matthias F. Sasgen, Chicago, Ill., assignor to Sasgen Derrick Co., Chicago, Ill., a corporation of Illinois

Application May 1, 1947, Serial No. 745,165
1 Claim. (Cl. 254—187)

In a hand operated winch or the like, a frame, a shaft rotatably mounted in said frame for rotation selectively in lifting and lowering directions, a ratchet loosely mounted on said shaft concentrically therewith, a pawl pivoted on said frame and normally engaged with said ratchet to hold the same against rotation in said lowering direction, a pinion mounted for rotation on said shaft adjacent to said ratchet, cooperating screw thread means on said shaft and said pinion having a lead direction arranged to shift said pinion axially in a brake applying direction along said shaft toward said ratchet when said pinion is rotated in a lowering direction relative to said shaft, a first friction disc non-rotatably fixed to said pinion in position to engage one side face of said ratchet when said pinion is shifted axially in said brake-applying direction, a second friction disc rotatably mounted on said shaft on the other side of said ratchet and in position to engage the other face of said ratchet, a shoulder on said shaft against which said second friction disc may bear to limit movement of said second friction disc by said first disc when said first disc is moved in



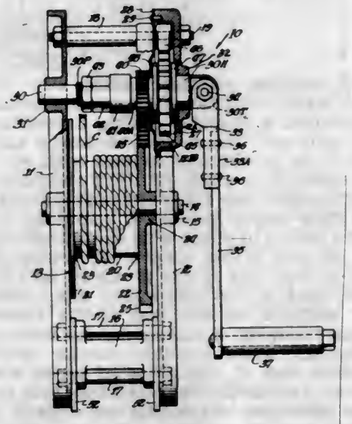
said brake-applying direction, and stop means rigid on said pinion and said shaft respectively and engageable in a plane substantially parallel to the axis of said shaft to limit rotation of said pinion relative to said shaft.

2,561,139

WINCH, HOIST, AND THE LIKE

Matthias F. Sasgen, River Forest, Ill., assignor to Sasgen Derrick Co., Chicago, Ill., a corporation of Illinois

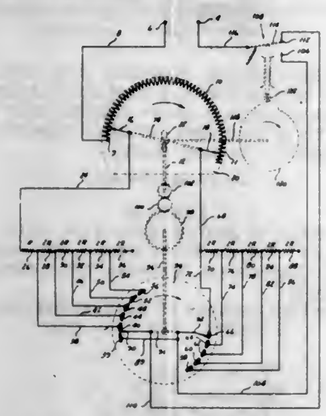
Application January 16, 1948, Serial No. 2,657
2 Claims. (Cl. 254—186)



1. In a hand operated winch or the like, a frame, an operating shaft rotatably mounted in said frame and having an operating means associated therewith whereby said shaft may be oppositely rotated selectively in lifting or lowering directions, a ratchet rotatably mounted on said shaft, a pawl pivoted on said frame and normally engaged with said ratchet to hold the same against rotation in said lowering direction, a pinion rotatably mounted on said shaft on one side of said ratchet, a cam head member fixed in a non-rotative relation on said shaft at the end of said pinion opposite from said ratchet, individual friction clutch means disposed between said pinion and said ratchet and between said ratchet and said shaft, a sleeve member fixed to

said pinion and extended toward said cam head member, cam elements formed on said members and acting to force said pinion toward said ratchet when said shaft is rotated in a lifting direction relative to said pinion to engage said friction clutch means and thus connect said shaft, said ratchet and said pinion as a unit, a protecting sleeve formed on one of said members and extending axially therefrom so as to enclose and protect said cam surfaces, and adjustable abutment means on said shaft for adjusting the endwise position of said cam head member on said shaft.

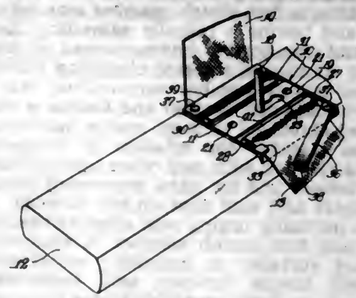
2,561,140
VARIABLE RESISTOR
Carl F. Schaefer, Port Washington, N. Y., assignor to The Norden Laboratories Corporation, New York, N. Y., a corporation of Connecticut
Application July 30, 1949, Serial No. 107,659
13 Claims. (Cl. 201—48)



1. A variable resistor having two terminals across which resistance is varied, including in combination a rheostat having a resistance element, a brush, means for traversing said brush successively in effective contact with said resistance element, a group of fixed resistors, means for connecting the fixed resistors successively in cumulative series, means for operating said connecting means in phase with the traversing movement of said brush, means for connecting said brush to one end of the group of said fixed resistors, means for connecting one variable resistor terminal to one end of the rheostat resistance element, a switch for successively connecting the other variable resistor terminal to the other end of the group of series connected resistors, and means for operating said switch in phase with the traversing movement of said brush.

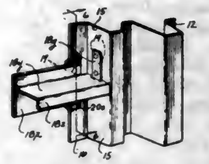
2,561,141
VENETIAN BLIND STRUCTURE
Edward E. Schaefer, Oak Park, Ill., assignor to Theodore Efron, Chicago, Ill.
Application March 10, 1949, Serial No. 80,734
5 Claims. (Cl. 160—173)

1. A bracket for detachably securing the ends of a slat-supporting tape to a rail of a Venetian blind, comprising a body member having a central portion adapted to be secured to a rail, spaced tape-securing arms disposed on opposite sides of said central portion and adapted to detachably retain the end portions of a tape, and a pair of elongated tape-engaging side members disposed outwardly of said arms, each of said side members being pivotally secured at one end thereof at opposite sides of said body member and adapted to be positioned in parallel, non-clamping, spaced relation with respect to said arms whereby to



permit the tape members to extend from said arms, around said side members, and thence outwardly from the bracket, said side members being swingable about their pivoted ends to open position for facilitating attachment of the tape to and detachment thereof from said arms.

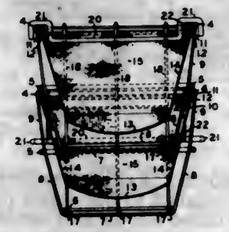
2,561,142
SASH CONSTRUCTION
Herbert A. Schiessl, Seattle, Wash.
Application November 1, 1946, Serial No. 707,118
4 Claims. (Cl. 189—76)



1. In a window structure, a frame member having a jamb portion with a flange turned at an angle therefrom, said flange being formed with an inset seat having an abrupt, inner edge defining shoulder spaced from the jamb portion and parallel thereto, a division bar comprising a longitudinal base flange and a longitudinal web, said base flange having an end portion engaged flatly against said seat and fixed thereto with its end portion abutted against said edge defining shoulder of the seat, and said web extending beyond said end portion of the base flange and abutting the jamb portion and fixed to the said jamb.

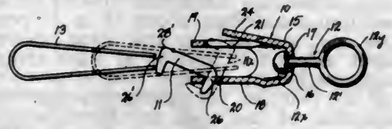
2,561,143
FRUIT CRATE AND LINER
George J. Schmitz, Kansas City, Mo.
Application August 1, 1950, Serial No. 177,049
6 Claims. (Cl. 220—63)

1. A fruit crate comprising side members having depth and length, said side members spaced apart and diverging upwardly, end members having depth and length, said end members spaced apart and diverging upwardly, said end members joined to said side members, the upper edges of said side and end members forming an opening of oblong rectangular shape, a support member, said support member secured to the side members at an intermediate position between the bottom and top of said side members, said support member spaced to rest upon the top of a like crate when the lower portion of said crate is suspended in a like crate, a liner formed with a convex bottom having side and end walls diverging upwardly, said side and end walls of said liner having the upper ends thereof secured to and be-



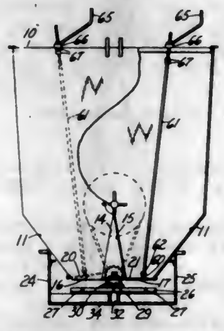
neath the top edges of said side and end members of said crate, and said liner depending within said crate and spaced from the side and end members of said crate below the upper edges of said liner.

2,561,144
FISH LURE SWIVEL
Allan R. Seaton, Juneau, Alaska
Application May 15, 1948, Serial No. 27,331
2 Claims. (Cl. 287—103)



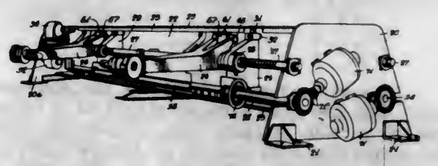
1. A swivel coupling of the character described comprising a swivel body formed with spaced, opposite side walls, each wall being formed with an elongated, longitudinal slot in transverse alignment; a tongue struck from one wall for the elongation of the slot in that wall substantially beyond the inner end of the other slot, and a cross pin extended between said walls and formed with head portions at its opposite ends adapted to be passed through the slots and to engage against the outer surface of the walls; said tongue being adapted to be pressed into engagement with one of the head portions of the pin after the pin has been seated in the slots thereby retaining the pin in seated position.

2,561,145
MATERIAL DISTRIBUTOR
Roy A. Shaw, San Bernardino, Calif.
Application August 7, 1946, Serial No. 688,814
1 Claim. (Cl. 275—8)



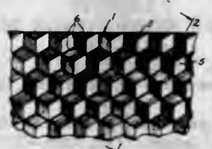
In a material distributor adapted to be carried by a tractor, a hopper having a bifurcated lower portion to provide a pair of discharge chutes therefrom; a rotary spinner horizontally arranged below said discharge chutes adapted to be rotated to centrifugally distribute material fed on said spinner; a structural frame rigidly attached to the outer surfaces of said discharge chutes and depending therefrom to a point below said spinner; a centrally located pivot shaft attached to the lower surface of said spinner; a shaft bearing rigidly attached to said structural frame and adapted to receive the pivot shaft on said spinner for rotation therein; a pair of horizontal bearings carried by said structural frame, a shaft mounted for rotation in said bearings; means for driving said shaft from the power take off of said tractor; a bevel gear mounted on said shaft; a mated bevel pinion rigidly attached to the upper surface of said spinner, said bevel gear and pinion adapted to rotatably drive said spinner from said tractor power take off; a material agitator mounted for rotation adjacent the apex of the bifurcation between said hopper chutes; means for driving said agitator from said tractor power take off shaft; and a pair of independently adjustable doors mounted at the lower extremities of said discharge chutes and adapted to feed material therefrom onto the surface of said spinner for distribution thereby.

2,561,146
MILL ROLL STAND
Karl Sieg, Philadelphia, Pa., assignor to Samuel M. Langston Co., Camden, N. J., a corporation of New Jersey
Application June 10, 1947, Serial No. 753,689
14 Claims. (Cl. 242—58)



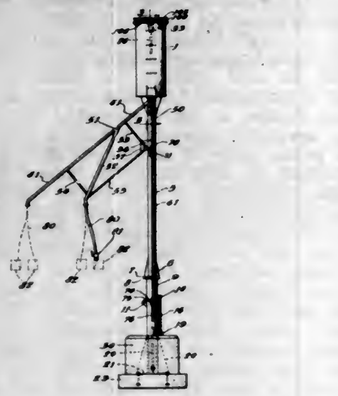
11. A mill roll stand including a frame, a shaft journaled therein, a pair of carriages movable along said frame, a pair of arms, one pivotally mounted on each carriage, means for moving said arms and carriages toward and from each other upon rotating said shaft, and means for moving said shaft endwise to simultaneously move said arms and carriages in the same direction.

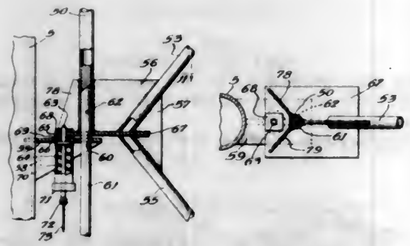
2,561,147
COMB FOUNDATION
Edgar F. Smith, Springfield, Ohio, assignor to The A. I. Root Company, Medina, Ohio, a corporation of Ohio
Application May 29, 1947, Serial No. 751,407
4 Claims. (Cl. 6—11)



1. A comb foundation comprising a sheet of thermoplastic material composed of polymerized ethylene and beeswax.

2,561,148
SAND DISPENSER
Barton S. Snow, Batavia, Ill., assignor to T. W. Snow Construction Company, a corporation of Illinois
Application April 7, 1948, Serial No. 19,501
2 Claims. (Cl. 222—185)

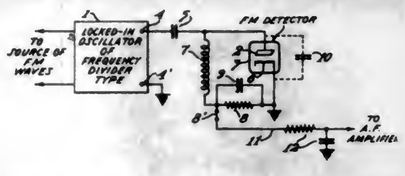




1. In a railway sand dispenser for dispensing sand into the sand compartments of a railway engine, a sand storage tank, supporting means for supporting said tank in an elevated position, a spout rotatably connected to said tank for swinging movement in horizontal directions, a second spout connected to the first mentioned spout to extend divergently therefrom, a framework for bracing said spout and said divergent spout in fixed relation to each other, a bracket fixed to said supporting means, a plate rotatably connected to said bracket and fixed to the framework, a pivot member rotatable in the bracket and rigidly secured to said framework and to said first mentioned spout in axial alinement with the pivotal axis of the first mentioned spout with the tank, and a downwardly extending arm fixed to said pivot member to be available to an operator on a lower level, whereby said spouts may be swung as a unit across an engine for servicing.

2,561,149
FREQUENCY MODULATION DETECTOR CIRCUITS
Saul Solomon, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 10, 1945, Serial No. 615,351
5 Claims. (Cl. 250—27)

1. A frequency variation detector comprising a pair of input terminals upon which are impressed frequency modulated signals having a predetermined mean frequency, a network connected between said input terminals consisting of a tuned circuit shunt resonant to a frequency above said mean frequency, a condenser series resonating said shunt resonance circuit to a frequency below

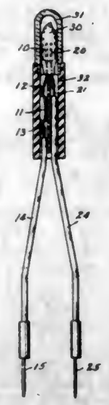


said mean frequency, a single rectifier having input terminals coupled to the entire network consisting of said tuned circuit and condenser, and a load impedance element shunting said rectifier.

2,561,150
PROCESS FOR MAKING TALL OIL
Raymond W. Stephenson, Pendleton, N. C., assignor to Kirby Chemical Company, Inc., Severn, N. C., a corporation of North Carolina
No Drawing. Application September 3, 1948, Serial No. 47,744
14 Claims. (Cl. 260—97.7)

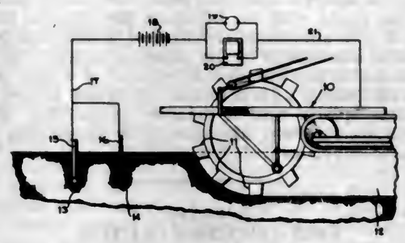
1. A process for producing tall oil from sulfate soap skimmings comprising heating an aqueous solution comprising about 10 to 40 percent sulfuric acid, said sulfuric acid being present in sufficient amount to provide at least about 10 percent free excess sulfuric acid after completion of the reaction, preventing any appreciable commingling of the soap skimmings and acid solution until the boiling point of the acid solution is reached, effecting the rapid, intimate commingling of the entire mass of soap with the acid solution by the ebullition of said acid solution, heating until the tall oil is substantially completely freed from the soap, and separating said tall oil from the reaction mixture.

2,561,151
ELECTRODE AND RESISTOR ASSEMBLY UNIT
Lester L. Stoffel, Lakewood, Ohio, assignor to The Ohio Carbon Company, Cleveland, Ohio, a corporation of Ohio
Application September 2, 1948, Serial No. 47,381
1 Claim. (Cl. 315—58)



A lamp having in combination a gas filled globe with a pair of electrodes therein extending out of the globe, an insulating sleeve surrounding the projecting portions of said electrodes, a transparent housing covering said globe and connected at its free end to one end of said insulating sleeve, an elongated carbon resistor located completely within the sleeve and having a pair of conductors respectively embedded in its opposite ends, one of said conductors being welded at its free end to one of said electrodes, a connector wire welded to the free end of said other conductor and extending from the open end of said sleeve, another connector wire welded to said other electrode and extending from the free end of said sleeve and adapters connected to the free ends of the connectors extending from said insulating sleeve.

2,561,152
DITCH DIGGING MACHINE WITH WARNING DEVICE
Albert R. Stryker, Lawrenceburg, Ind.
Application May 20, 1947, Serial No. 749,291
1 Claim. (Cl. 177—311)



In a ditch digging machine, a rotary digger having a series of buckets, an electrical battery mounted on said digging machine, a lead connecting one terminal of said battery to said rotary digger, an electrically responsive warning device interposed in said lead, a lead from the opposite terminal of said battery, said lead connected to a utility line whereby the circuit is completed through the ground intervening between the utility line and the buckets of said rotary digger to cause said warning device to operate intermittently due to the intermittent operation of the buckets of said rotary digger relative to the ground, said warning device including a bell and a lamp connected in parallel, the lamp being responsive to currents of smaller value than the bell, whereby said lamp glows intermittently at increasing intensity as said machine approaches the utility line, the said bell having an electrical power unit which is constructed and arranged to respond only to a direct metallic circuit with the electrical battery whereby said bell rings when one of said buckets contacts the utility line.

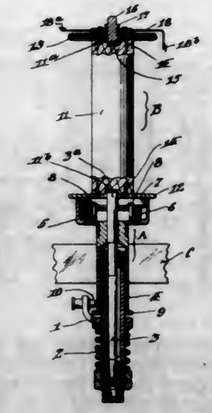
2,561,153
SOLUBLE BINARY COPOLYMERS OF ALLYLIC MONOETHERS AND POLY-2-ALKENYL ESTERS
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 29, 1948, Serial No. 35,981
2 Claims. (Cl. 260—78.5)

1. A method of preparing acetone-soluble binary interpolymers which comprises heating, in the presence of a peroxidic compound catalyst, a binary mixture of monomers consisting solely of diallyl fumarate and a copolymerizable monomer of the formula RCH=CR—CH_2X where one R is hydrogen and the other R is a member from the class consisting of alkyl, halogen, haloalkyl, and aryl; X being from the class consisting of alkoxy, alkenyloxy, aryloxy, aralkoxy, and saturated aliphatic acyloxy radicals, the proportion of the said formulated copolymerizable compound being 2.5 to 6 molar equivalent per mole equivalent of the fumarate.

2,561,154
SOLUBLE TERNARY COPOLYMERS OF STYRENE, ALLYLIC POLY-2-ALKENYL ESTERS, AND ALLYLIC MONOETHERS
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 29, 1948, Serial No. 35,982
2 Claims. (Cl. 260—78.5)

1. A method of preparing acetone-soluble ternary interpolymers which comprises heating, in the presence of a peroxidic compound catalyst, a ternary mixture of monomers consisting solely of diallyl fumarate, styrene, and a copolymerizable monomer of the formula RCH=CR—CH_2X where one R is hydrogen and the other R is from the class consisting of alkyl, halogen, haloalkyl, and aryl; X being from the class consisting of alkoxy, alkenyloxy, aryloxy, aralkoxy, and saturated aliphatic acyloxy radicals, the proportions of the said monomers being from 2 to 10 molar equivalents of the said formulated copolymerizable compound, and from 0.2 to 6.0 molar equivalent of the styrene monomer per mole equivalent of the fumarate.

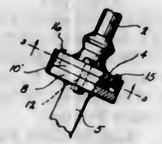
2,561,155
MAGNETIC BOBBIN HOLDING MEANS
Alfred W. Thomas, Jr., Clarks Summit, and Nicholas F. Gubitose, Scranton, Pa., assignors to U. S. Textile Machine Company, Scranton, Pa., a corporation of Pennsylvania
Application February 18, 1950, Serial No. 144,876
3 Claims. (Cl. 242—46.2)



2. A bobbin having a recess centrally located at one end thereof, a permanent magnet secured in said recess, a bearing device projectingly held in said recess by the magnet, a yarn guide spinner

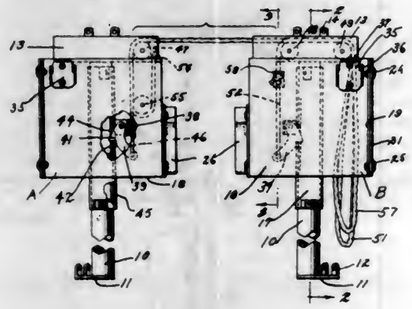
mounted for free rotation on the projecting section of said bearing device, a flat surface section at the other end of said bobbin provided with a central recess and means subject to magnetic attraction.

2,561,156
BICYCLE FORK
Lars O. Thorkildsen, Sandness, Norway
Application July 22, 1947, Serial No. 762,567
In Norway January 11, 1946
1 Claim. (Cl. 280—276)



A bicycle fork construction comprising a mounting shaft with a cross-head fixed rigidly thereto and extending to opposite sides thereof at its lower end, a pair of wheel mounting forks with a second cross-head rigidly joining them across their upper ends; said cross-heads, respectively, having flat lower and upper surfaces facing each other, a resilient pad disposed between said surfaces, two bolts extended through said cross-heads, directly at opposite sides of the mounting shaft and securing nuts adjustable therein to determine the extent of compression under which the pad is held between the said cross-heads; said cross-heads having slots therethrough and containing the bolts with clearance for front to rear rocking action, and set screws adjustably mounted in one cross-head at front and rear of the mounting shaft, to limit the extent of forward and rearward rocking movement of the fork mounting cross-head as permitted by said bolts and pad.

2,561,157
ADJUSTABLE BLIND AND CURTAIN SUPPORT
Joseph Trimarchi and Lazzaro Pezza, Bronx, N. Y.
Application September 4, 1948, Serial No. 47,922
3 Claims. (Cl. 211—103)

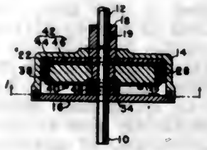


1. A bracket arrangement for an adjustable blind and curtain support comprising a vertically extending support rod, a sleeve adjustable upon the rod, a bracket plate fixed to the sleeve and extending parallel to the window, said bracket plate having oppositely bent portions, a supporting plate connected to one of the portions and extending outwardly beyond the window, a second supporting plate connected to the other bent portion and adapted to extend into the window frame, an invered channel secured to the top of the rod support, a pulley journaled in the channel and adapted to receive a cable cord.

2,561,158
CLEANING PROCESS ESPECIALLY ADAPTED TO REMOVE BUFFING DIRT AND/OR DRAWING COMPOUNDS FROM METAL PREPARATORY TO PLATING OPERATIONS
Charles Derwood Tuttle, Trenton, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application April 10, 1948, Serial No. 20,359
8 Claims. (Cl. 134—29)

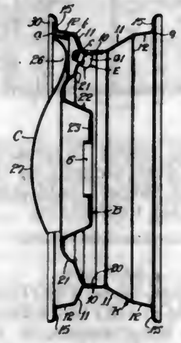
1. A process of cleaning metal parts which comprises providing a bath consisting essentially of a solvent-emulsion cleaner having an oil solvent upper layer and an oil in water emulsion under layer, passing the metal parts into said bath through the oil solvent upper layer, then immersing and soaking the metal parts in the oil in water emulsion under layer, then removing the parts from the solvent-emulsion bath, thereafter spraying the parts with an intimate mechanical mixture of two solutions, the first of which solutions consists essentially of an aqueous solution of an alkali metal silicate and the second of which consists essentially of a solution consisting largely of mineral spirits and a smaller proportion of a chlorinated solvent, and thereafter subjecting the parts to hot chlorinated solvent.

2,561,159
SELF-LOCKING CLUTCH
Cecil E. Walton, New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy
Application September 14, 1944, Serial No. 554,089
1 Claim. (Cl. 192—8)



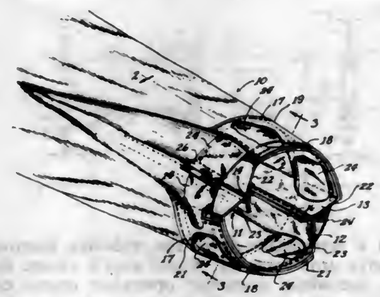
In an irreversible drive unit, a driven shaft, a driving shaft co-axial with and abutting said driving shaft, a drum coaxial with said shafts and overlapping the abutment thereof, a ramp member carried by said driven shaft having ends adjacent said drum, each of said ends having two similar surfaces inclined toward the axis of said ramp member, a roller positioned between said drum and said ramp member adjacent each of said inclined surfaces, a leaf spring adjacent each of said rollers urging the corresponding roller into frictional engagement with said drum and said inclined surface, an operating arm carried by said driving shaft having a finger interposed between the rollers at the ends of said ramp member, lost-motion means interconnecting said operating arm and said ramp member, and frictional means interconnecting said drum and said ramp member for yielding restraining movement therebetween by a torque exceeding the torque of said leaf springs whereby said ramp member is normally locked to said drum by said rollers until released by rotation of said operating arm by said driving shaft.

2,561,160
WHEEL COVER MOUNTING
Anthony V. Weasler, West Bend, Wis., assignor to Pick Manufacturing Company, West Bend, Wis., a corporation of Wisconsin
Application February 1, 1950, Serial No. 141,665
7 Claims. (Cl. 301—37)



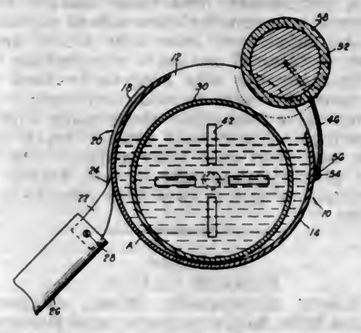
1. In combination with a vehicle disc wheel wherein is a plurality of elongated ventilating slots adjacent the wheel rim and a cover therefor having a rearwardly extended beaded flange, a mounting comprising a shouldered clamp in the general form of a strap inserted through each slot to a position where the flange bead is in engagement with the clamp shoulder, and a bolt assembly also extended through each slot alongside the clamp, the assembly including a bolt having a head in engagement with the clamp and with the rear face of the disc adjacent the inner edge of the slot, and a thrust block in engagement with the clamp at a second point thereon and with the front face of the disc.

2,561,161
WRIST CUFF CONSTRUCTION
David E. Weiss, Chicago, Ill., assignor to Whitehouse Manufacturing Co. Inc., South Bend, Ind., a corporation
Application February 28, 1950, Serial No. 146,789
3 Claims. (Cl. 2—270)



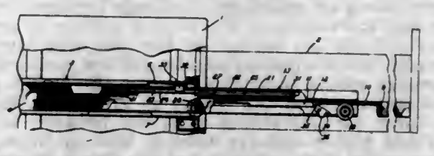
1. In combination with a sleeve formed of two sections joined together along two seams, a panel stitched along the longitudinal edges thereof to each of said sections at the cuff portions of said sections and terminating short of said seams, and an elastic band encircling said cuff portions and received between said panels and said sleeve sections to contract said cuff about the wrist.

2,561,162
PAINT APPLICATOR
Shelton Whitlow, Houston, Tex.
Application September 27, 1945, Serial No. 618,887
1 Claim. (Cl. 15—132.5)



A device of the character described, comprising a horizontally disposed hollow cylindrical housing adapted to hold liquid and provided in its upper side with an opening, a handle secured to one side of said housing, a hollow roller eccentrically mounted within said housing, spring arms fixed to the opposite side of the housing and curving upwardly to lie in a plane over the opening, an absorbent roller of a size smaller than said opening rotatably supported solely by the upper ends of the spring arms and normally held above the opening in the housing by said arms, and said absorbent roller being adapted to be depressed through said opening into contact with said hollow roller whereby to effect the application of the liquid within the housing onto said absorbent roller for application of the liquid on the absorbent roller upon a surface to be coated.

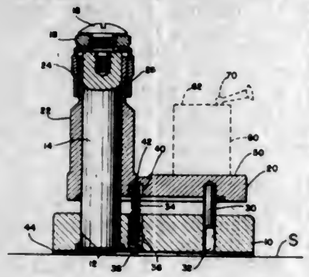
2,561,163
PROGRESSIVE DRAWER SUSPENSION
Carl F. Wolters, New Canaan, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application December 21, 1946, Serial No. 717,760
3 Claims. (Cl. 308—3.8)



3. In a drawer suspension having a case slide provided with upper and lower spaced parallel tracks, a drawer slide having a track between said case slide tracks in substantially parallel relation, an intermediate slide having upper and lower flanges between said case slide tracks on opposite sides of said drawer track, a roller bearing on the front end of said intermediate slide for supporting the front end of said drawer track, and roller bearings on the rear end of said intermediate slide for supporting said intermediate slide for rolling engagement between said upper and lower case slide tracks, the combination of a pressure track having a top flange seated against the underside of the upper flange on the intermediate portion of said intermediate slide and a bottom track flange in spaced parallel relation to said top flange joined thereto by a connecting strip portion on one side, a plurality of ball bearings in longitudinally spaced relation

having bearing engagement between said track flange and the upper side of said drawer track, a ball retainer suspended from said pressure track for normally holding said balls in said spaced relation and disengagement from said pressure track, a progressive feed roller having rolling engagement between the lower side of said drawer track and said lower case slide track, and an eccentric rotatable on said intermediate slide rotatably mounting said progressive feed roller for relative movement to said intermediate slide, said progressive feed roller cooperating with said ball bearings to grip said drawer track therebetween and feed said intermediate slide at a reduced proportionate rate to said drawer slide in movement of said drawer slide relative to said case slide.

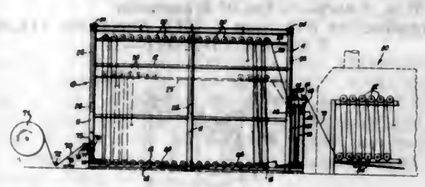
2,561,164
HEIGHT GAUGE
Percy Aiken, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application September 22, 1945, Serial No. 617,945
5 Claims. (Cl. 33—163)



1. A height gauge having a base, a standard of uniform diameter rising from the base, a platform having a sleeve slidably mounted on the standard, means for preventing rotation of the platform with respect to the standard, a nut rotatably mounted on said standard and being threaded to the top of said sleeve and having a portion overlapping the top of the standard, the sleeve being of minimum thickness between the nut and the standard, the bottom surface of the base and the top surface of the platform being parallel for all adjusted positions of the platform, a tension spring connected between the base and platform assisting the action of gravity on the platform for preventing backlash between the nut and sleeve and for holding the nut firmly down against the upper end of the standard, and a screw threaded into a hole in the top of the standard, said screw having a shoulder about which the nut rotates, the shoulder being longer than the thickness of the overlapping portion of the nut so as to permit the nut to rotate freely and which threads down to press the overlapped portion of the nut against the top of the standard.

2,561,165
BRAKING DEVICE FOR WEB HANDLING APPARATUS
Louis M. Arcement, New Orleans, La., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application March 18, 1948, Serial No. 15,715
5 Claims. (Cl. 271—2.2)

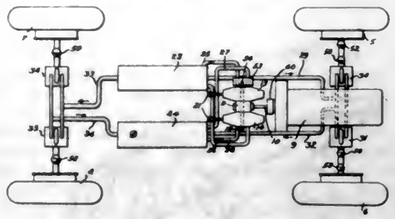
3. A brake mechanism for a floating looper including a plurality of idle rollers and at least one tension roll, said brake mechanism comprising a brake band positioned to engage simultaneously a portion of the surface of at least several of said idle rollers to retard the rotation thereof, and a lever secured to the said brake band at one end thereof, said lever being positioned beneath said tension roll.



2,561,166
THALLIUM SALTS IN PHOTOGRAPHIC COLOR DEVELOPERS
James E. Bates, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 1, 1948, Serial No. 62,975
7 Claims. (Cl. 95—88)

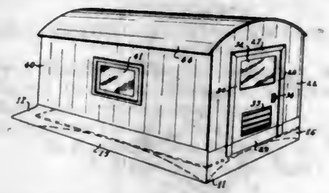
3. A photographic developer solution for color development of a photographic element having at least one silver halide emulsion layer containing color formers which will couple with the oxidation product of a phenylene diamine developing agent which comprises a phenylene diamine developing agent having at least one primary amino group and a soluble thallium salt, the latter being in the concentration of 0.005 to 0.5 gram per liter of solution.

2,561,167
EXPANSION UNIT TO COMPENSATE FOR TEMPERATURE CHANGES IN A VEHICLE HYDRAULIC DRIVE SYSTEM
William E. Beaman, Foresthill, Calif.
Application January 28, 1946, Serial No. 643,932
6 Claims. (Cl. 180—66)



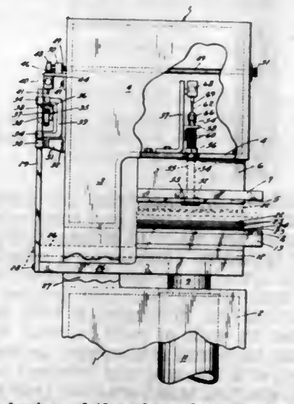
1. In a hydraulic drive for vehicles having a fluid drive unit for each wheel and a closed fluid system including a motor operated pump connected to supply liquid pressure to the drive units, control means at the inlet and outlet sides of the pump to reverse the flow of fluid to said drive units, and an expansion unit for the system to compensate for temperature changes of a liquid therein, said expansion unit including a plate fixed to the vehicle, a rod slidably carried by the plate, a further plate fixed to the rod, spring means spacing said plates, and bellows members carried by the further plate and communicating with one side of the pump.

2,561,168
CAR TOP TRAILER
George Howell Beckley, Madison, Ind.
Application April 15, 1947, Serial No. 741,532
1 Claim. (Cl. 20—2)



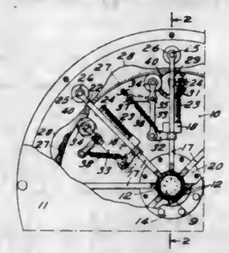
In a collapsible enclosure for motor vehicles, the combination which comprises a box like enclosure having sides and ends a flat base providing a floor secured to the inner surface of the sides and ends of the box like enclosure above the lower marginal edge thereof, a floor supporting member having a flat upper floor contacting surface and a concave lower surface for nesting on the upper surface of a motor vehicle top secured to said base within said box like enclosure, depending latch elements carried by the sides of the box like enclosure and positioned to grip the gutters on the sides of a vehicle body for retaining the said box like enclosure on the said vehicle body, a rear end panel having a door therein hinged to one end of the box like enclosure, a forward end panel having a window therein hinged to the opposite end of the said box like enclosure, upwardly extended side panels hinged to the upper edges of the sides of the box like enclosure, and an arcuate cover connected by a link to one of said side panels whereby the said cover folds to a position beside the side panel to which it is connected and also to an operative position extended over the upper edges of the side panels and covering the said floor and end panels.

2,561,169
AUTOMATIC DEPTH CONTROL FOR PRESSES
George B. Bickelhaupt, Jr., Minneapolis, Minn., assignor to The Monomelt Co., Inc., Minneapolis, Minn., a corporation of Minnesota
Application May 21, 1948, Serial No. 28,307
10 Claims. (Cl. 18—16)



6. In a device of the class described, a supporting frame including relatively fixed and movable members, cooperating platens carried one each by said members, fluid pressure-operated means for moving one of said members in the direction of the other thereof to press material between said platens, electrically-operated control valve means for said fluid pressure-operated means for arresting the movements of said movable member with respect to said fixed member, a switch associated with said fixed member for controlling said electrically-operated control valve, an arm carried by said movable member and extending outwardly therefrom in the direction of movement thereof, an actuator for said switch slidably mounted on said arm and normally biased out of operative engagement with said switch, means limiting movements of said actuator in a direction away from said switch, said platen being provided with a recess, a presser foot movable into and out of said recess and yieldingly-biased in a direction outwardly thereof, the work face of said presser foot being flush with said fixed platen when said foot is fully retracted into said recess, a plunger connected with said presser foot and working through said fixed member, a switch on said fixed member positioned in the path of travel of the plunger and adapted to be actuated thereby, electrically-operated means for frictionally locking said switch actuator to said arm, and electrical connections between said last-mentioned switch and said electrically-operated means.

2,561,170
MECHANISM FOR CRACKING NUTS
Everett H. Bickley, Bala-Cynwyd, Pa.
Application April 12, 1947, Serial No. 741,012
1 Claim. (Cl. 146—8)



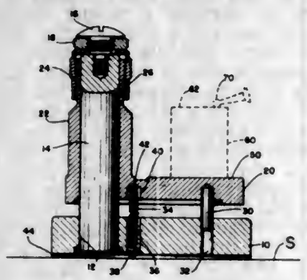
A nut cracking apparatus comprising a receptacle having a centrally disposed bore and a plurality of peripheral radially disposed grooves communicating with said bore, a nut guideway in the form of a plurality of wires extending lengthwise of said bore and circumferentially spaced coaxially of said bore, means to feed a nut along said guideway into the plane of said grooves, a plurality of cracking blades slidable respectively in said grooves and each arranged to pass between a pair of said wires to engage a nut, spring means freely urging said blades against the nut, cam operated friction grip means operatively connected to each of said blades, cam means to operate said grip means to simultaneously actuate said blades to crack the nut, and additional cam means to return said blades simultaneously to release a cracked nut.

2,561,171
DEPTH SOUNDING APPARATUS
Everett H. Bickley, Penn Valley, Pa.
Application March 8, 1950, Serial No. 148,399
4 Claims. (Cl. 73—300)

1. A depth sounding apparatus comprising a fitting for attachment to the hull of a boat above the water line, said fitting having a bore therethrough, a hose, means coupling one end of said hose to said fitting for communication with said

having bearing engagement between said track flange and the upper side of said drawer track, a ball retainer suspended from said pressure track for normally holding said balls in said spaced relation and disengagement from said pressure track, a progressive feed roller having rolling engagement between the lower side of said drawer track and said lower case slide track, and an eccentric rotatable on said intermediate slide rotatably mounting said progressive feed roller for relative movement to said intermediate slide, said progressive feed roller cooperating with said ball bearings to grip said drawer track therebetween and feed said intermediate slide at a reduced proportionate rate to said drawer slide in movement of said drawer slide relative to said case slide.

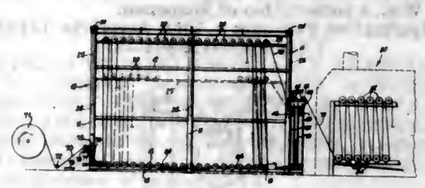
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HEIGHT GAUGE
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Application September 22, 1945, Serial No. 617,945
5 Claims. (Cl. 33—163)



1. A height gauge having a base, a standard of uniform diameter rising from the base, a platform having a sleeve slidably mounted on the standard, means for preventing rotation of the platform with respect to the standard, a nut rotatably mounted on said standard and being threaded to the top of said sleeve and having a portion overlapping the top of the standard, the sleeve being of minimum thickness between the nut and the standard, the bottom surface of the base and the top surface of the platform being parallel for all adjusted positions of the platform, a tension spring connected between the base and platform assisting the action of gravity on the platform for preventing backlash between the nut and sleeve and for holding the nut firmly down against the upper end of the standard, and a screw threaded into a hole in the top of the standard, said screw having a shoulder about which the nut rotates, the shoulder being longer than the thickness of the overlapping portion of the nut so as to permit the nut to rotate freely and which threads down to press the overlapped portion of the nut against the top of the standard.

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5 Claims. (Cl. 271—2.2)

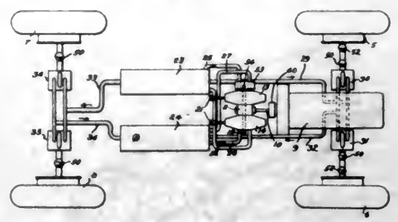
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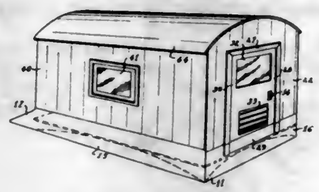
3. A photographic developer solution for color development of a photographic element having at least one silver halide emulsion layer containing color formers which will couple with the oxidation product of a phenylene diamine developing agent which comprises a phenylene diamine developing agent having at least one primary amino group and a soluble thallium salt, the latter being in the concentration of 0.005 to 0.5 gram per liter of solution.

2,561,167
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William E. Beaman, Foresthill, Calif.
Application January 28, 1946, Serial No. 643,932
6 Claims. (Cl. 180—66)



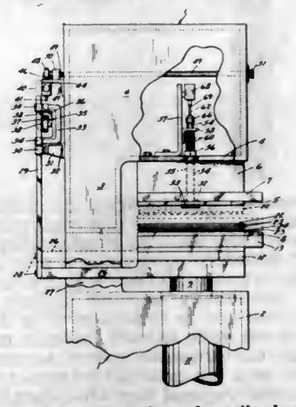
1. In a hydraulic drive for vehicles having a fluid drive unit for each wheel and a closed fluid system including a motor operated pump connected to supply liquid pressure to the drive units, control means at the inlet and outlet sides of the pump to reverse the flow of fluid to said drive units, and an expansion unit for the system to compensate for temperature changes of a liquid therein, said expansion unit including a plate fixed to the vehicle, a rod slidably carried by the plate, a further plate fixed to the rod, spring means spacing said plates, and bellows members carried by the further plate and communicating with one side of the pump.

2,561,168
CAR TOP TRAILER
George Howell Beckley, Madison, Ind.
Application April 15, 1947, Serial No. 741,532
1 Claim. (Cl. 20—2)



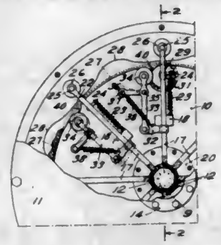
In a collapsible enclosure for motor vehicles, the combination which comprises a box like enclosure having sides and ends a flat base providing a floor secured to the inner surface of the sides and ends of the box like enclosure above the lower marginal edge thereof, a floor supporting member having a flat upper floor contacting surface and a concave lower surface for nesting on the upper surface of a motor vehicle top secured to said base within said box like enclosure, depending latch elements carried by the sides of the box like enclosure and positioned to grip the gutters on the sides of a vehicle body for retaining the said box like enclosure on the said vehicle body, a rear end panel having a door therein hinged to one end of the box like enclosure, a forward end panel having a window therein hinged to the opposite end of the said box like enclosure, upwardly extended side panels hinged to the upper edges of the sides of the box like enclosure, and an arcuate cover connected by a link to one of said side panels whereby the said cover folds to a position beside the side panel to which it is connected and also to an operative position extended over the upper edges of the side panels and covering the said floor and end panels.

2,561,169
AUTOMATIC DEPTH CONTROL FOR PRESSES
George B. Bickelhaupt, Jr., Minneapolis, Minn., assignor to The Monomelt Co., Inc., Minneapolis, Minn., a corporation of Minnesota
Application May 21, 1948, Serial No. 28,307
10 Claims. (Cl. 18—16)



6. In a device of the class described, a supporting frame including relatively fixed and movable members, cooperating platens carried one each by said members, fluid pressure-operated means for moving one of said members in the direction of the other thereof to press material between said platens, electrically-operated control valve means for said fluid pressure-operated means for arresting the movements of said movable member with respect to said fixed member, a switch associated with said fixed member for controlling said electrically-operated control valve, an arm carried by said movable member and extending outwardly therefrom in the direction of movement thereof, an actuator for said switch slidably mounted on said arm and normally biased out of operative engagement with said switch, means limiting movements of said actuator in a direction away from said switch, said platen being provided with a recess, a presser foot movable into and out of said recess and yieldingly-biased in a direction outwardly thereof, the work face of said presser foot being flush with said fixed platen when said foot is fully retracted into said recess, a plunger connected with said presser foot and working through said fixed member, a switch on said fixed member positioned in the path of travel of the plunger and adapted to be actuated thereby, electrically-operated means for frictionally locking said switch actuator to said arm, and electrical connections between said last-mentioned switch and said electrically-operated means.

2,561,170
MECHANISM FOR CRACKING NUTS
Everett H. Bickley, Bala-Cynwyd, Pa.
Application April 12, 1947, Serial No. 741,012
1 Claim. (Cl. 146—8)

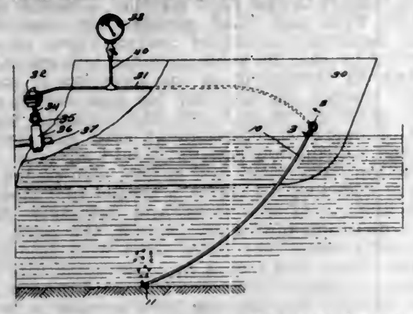


A nut cracking apparatus comprising a receptacle having a centrally disposed bore and a plurality of peripheral radially disposed grooves communicating with said bore, a nut guideway in the form of a plurality of wires extending lengthwise of said bore and circumferentially spaced coaxially of said bore, means to feed a nut along said guideway into the plane of said grooves, a plurality of cracking blades slidable respectively in said grooves and each arranged to pass between a pair of said wires to engage a nut, spring means freely urging said blades against the nut, cam operated friction grip means operatively connected to each of said blades, cam means to operate said grip means to simultaneously actuate said blades to crack the nut, and additional cam means to return said blades simultaneously to release a cracked nut.

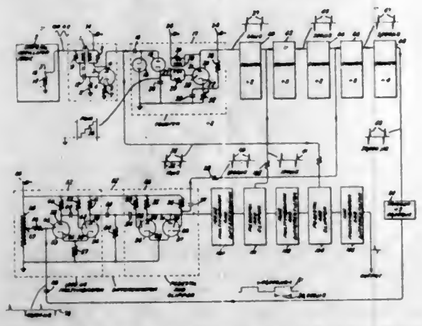
2,561,171
DEPTH SOUNDING APPARATUS
Everett H. Bickley, Penn Valley, Pa.
Application March 8, 1950, Serial No. 148,399
4 Claims. (Cl. 73—300)

1. A depth sounding apparatus comprising a fitting for attachment to the hull of a boat above the water line, said fitting having a bore therethrough, a hose, means coupling one end of said hose to said fitting for communication with said

bore, a discharge nozzle at the other end of said hose, a flexible weighted chain within said hose and suspended from said coupling means to maintain said nozzle submerged, means for introducing air under pressure into said hose by way of said fitting, a gauge responsive to variation of air pressure in said hose as said nozzle sinks in the water, and means to mount said gauge on the boat for visual observation.



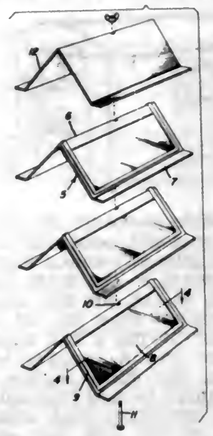
2,561,172
PULSE TIMING CIRCUIT
Alfred F. Bischoff, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application December 28, 1945, Serial No. 637,659
10 Claims. (Cl. 250—27)



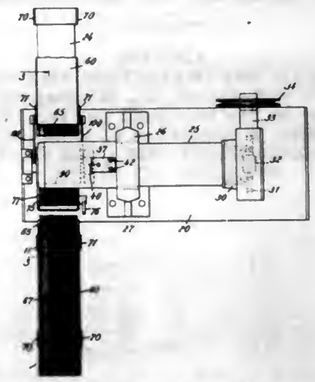
1. In a time delay system, means for producing a trigger pulse comprising an oscillator connected to excite a cascade of frequency dividing means operative at progressively lower frequencies, means connected to receive signals of a relatively high frequency from one of said frequency dividing means in said cascade and responsive to said trigger pulse for producing a second pulse delayed from said triggering pulse by a predetermined number of relatively high frequency pulse periods, and means connected to receive said second pulse and signals of a relatively low frequency from another dividing means in said cascade for producing a third pulse delayed from said second pulse by a predetermined number of relatively low frequency pulse periods.

2,561,173
EMERGENCY HIGHWAY WARNING REFLECTOR
Reuben N. Bompart, Helena, Mont.
Application May 6, 1949, Serial No. 91,787
1 Claim. (Cl. 88—79)

A traffic warning device comprising an elongated sheet member of inverted V-shape in cross section to provide oppositely sloping sides thereon, longitudinal edge flanges on said member at an angle thereto and lying in a common plane, an elongated open frame of inverted V-shape in cross section fitting over said sides and resting thereon with longitudinal side edges terminating at said flanges, and a reflector sheet imposed flatwise against each side of said member and confined in said frame.

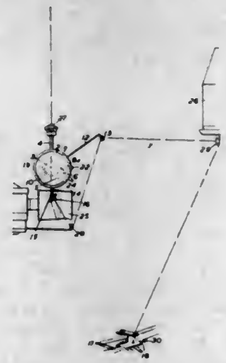


2,561,174
APPARATUS FOR CALKING FINS
Wilhelm B. Bronander, Montclair, N. J.
Application May 27, 1944, Serial No. 537,705
2 Claims. (Cl. 80—19)



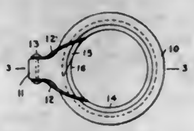
1. A machine for anchoring fin units having substantially parallel walls and compressible material between the walls in substantially parallel grooves of cylinders, comprising a rotatable support for the cylinder, means for supporting a plurality of individually movable presser bars in spaced relation and in alinement with the spaces between the fin walls of each fin unit, means for guiding said bars into said spaces to engage and compress or calk the material between said walls, means for receiving said bars after they have performed their calking operation and for maintaining the bars in their proper spaced relation, and a resiliently actuated grooved roller having a groove for each bar for guiding and forcing said bars against said compressible material to compress said material and force the portions of the fin walls in the grooves laterally into tight engagement with the groove walls.

2,561,175
YARN FEEDING MECHANISM FOR KNITTING MACHINES
Albert Matthews Brown, Leicester, England, assignor to G. Stibbe & Co. Limited, Leicester, England, a British company
Application January 10, 1950, Serial No. 137,868
In Great Britain January 27, 1949
8 Claims. (Cl. 66—132)



1. In yarn feeding mechanism of the type herein referred to for a knitting machine, a yarn compensator comprising, in combination, a central fixed spindle, a member arranged to rock about the said spindle, an upwardly directed arm on the said member which arm is provided with a guide for a running yarn, a second arm which depends from the rocking member and is provided with at least one further guide for the said yarn, a disc fixed on the spindle, and a damping element which is mounted on the said rocking member and adapted for co-operation with the fixed disc in such a way as to damp the oscillations of the rocking member and thereby counteract any pendulum effect thereof under changes in the tension of the yarn running through the aforesaid yarn guides.

2,561,176
CIRCUMCISION CLAMP
Charles T. Buckingham, Marion, Pa.
Application September 15, 1950, Serial No. 184,918
7 Claims. (Cl. 128—346)



1. A circumcision clamp comprising in combination an outer ring, a resilient outwardly biased open inner ring having abutting ends, concentric with and pressing against the interior of said outer ring when the clamp is in closed position, and two connecting members both pivotally mounted on said outer ring and one connected near each end of said inner ring.

2,561,177
SILICON-CONTAINING RUBBER COMPOSITIONS
Arthur J. Barry, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application April 21, 1949, Serial No. 88,914
3 Claims. (Cl. 260—85.1)

1. A hydro-polyalkoxysilyl addition product of a rubber hydrocarbon selected from the group consisting of natural rubber, gutta percha, balata and elastomeric butadiene-styrene copolymers, which addition product contains radicals of the formula $SiR(OR')_2$, wherein R represents a radical of the group consisting of methyl and phenyl radicals and R' is an alkyl radical from methyl to propyl, said radicals being bonded to carbon radicals of the rubber hydrocarbon by carbon to silicon linkages.

2,561,178
ORGANOPOLYSILOXANES
Charles A. Burkhard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 28, 1949, Serial No. 107,391
10 Claims. (Cl. 252—49.6)

1. A composition of matter comprising (1) a major proportion of a liquid organo-substituted polysiloxane and (2) from 0.5 to 10%, by weight, based on the weight of (1), of a lubricity additive comprising a compound corresponding to the general formula

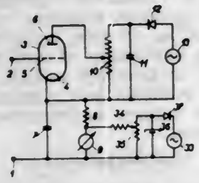


where R is an alkyl radical containing from 1 to 4 carbon atoms, X is a halogen selected from the class consisting of chlorine, bromine, and fluorine, and n is an integer equal to from 1 to 2, inclusive.

2,561,179
TOY AIRPLANE
Samuel E. Carney and Charles H. Miriani, St. Louis, Mo.
Application April 24, 1946, Serial No. 664,552
8 Claims. (Cl. 46—52)

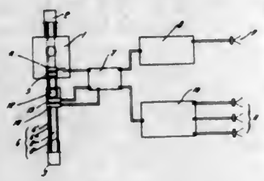
1. In combination, a toy airplane comprising a fuselage and one wing, taut elastic members laterally encircling the fuselage and the wing, upwardly and downwardly extending supports for said elastic members connected to the fuselage, said supports including step portions spaced different distances from the wing, said elastic members being disposed on said supports for intermediate support, so that each elastic member strikes the air when the airplane is whirled, and means by which the airplane may be whirled.

2,561,180
ELECTROSTATICALLY CONTROLLED DIODE VOLTMETER
Bohdan Theodor Carniol, Prague, Czechoslovakia, assignor to Tesla, Electrical and Radio Industry, Prague, Czechoslovakia
Application February 14, 1948, Serial No. 8,415
In Czechoslovakia August 16, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires August 16, 1966
8 Claims. (Cl. 171—95)



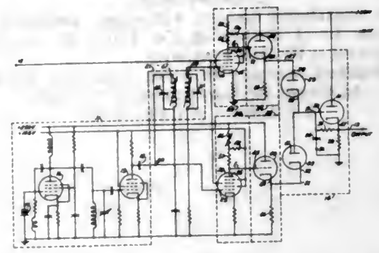
1. In an electronic metering arrangement, an electronic valve having a plurality of electrodes, a pair of which electrodes form a diode current path therebetween within the valve and another of said electrodes lying beyond such path; input terminals respectively connected to the electrodes of said pair and arranged to have applied thereto a potential corresponding to the quantity to be measured, the input terminals and said pair of terminals forming a measuring circuit; a metering device connected in circuit relation with said measuring circuit; a source of potential; and means for applying, from said source to said other electrode, an adjustable constant potential negative relative to at least one of said pair of electrodes.

2,561,181
SOUND RECORDING AND REPRODUCING
Guy Clutier, Paris, and Marc Assada, Villefranche-sur-Saone, France
Application September 2, 1947, Serial No. 771,660
In France September 9, 1946
6 Claims. (Cl. 179—100.3)



1. Arrangement for drawing on a sound film at least one pilot track comprising in combination means for transporting said sound film along a predetermined path; a vat adapted to contain a liquid capable of recording said pilot track, said vat arranged near the path of said film; a plurality of toothed wheels each having its teeth arranged at different spacings and arranged so as to dip into liquid in said vat; axles carrying said toothed wheels movably toward and away from said predetermined path of said sound film; magnetic cores mechanically connected with said axles of said toothed wheels; coils adapted to control said magnetic cores so as to move the teeth of said wheels into engagement with said sound film, when energized; and means for selectively connecting said coils to a source of electric current.

2,561,182
SHARP FREQUENCY DISCRIMINATOR
Robert Crane, Jr., Begg Drive, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application May 26, 1948, Serial No. 29,393
9 Claims. (Cl. 172—245)

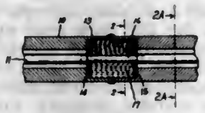


1. A frequency discriminator comprising, a source of signals of known frequency, a source of signals of unknown frequency, a first mixer means for obtaining a first beat frequency signal from said known frequency signal and said unknown frequency signal, a second mixer means for obtaining a second beat frequency signal from said known frequency signal and said unknown frequency signal means for causing one of said beat frequency signals to lag or lead the other of said beat frequency signals depending on the relative frequency values of said known and unknown signals, phase-sensitive detector means including a pair of serially connected diodes, a condenser connected between the common juncture of said serially connected diodes and ground, a first thermionic amplifier including an unbypassed cathode resistor having its input coupled to the output of said first mixer means, a direct connection from the cathode of said first amplifier to the anode of one of said pair of diodes, a second thermionic amplifier including an unbypassed cathode resistor having its input coupled to the output of said second mixer means, a direct connection from the cathode of said second amplifier to the anode of the other of said pair of diodes, and means for impressing differential initial biases on the inputs of said first and second amplifiers.

2,561,183
VINYL ACETAL RESIN STABILIZED WITH UREA-FORMALDEHYDE REACTION PRODUCT
Robert N. Crozier, Edward Lavin, and Alfred T. Marinaro, Springfield, Mass., assignors to Shawinigan Resins Corporation, Springfield, Mass., a corporation of Massachusetts
No Drawing. Application January 8, 1947, Serial No. 720,919
1 Claim. (Cl. 260—45.9)

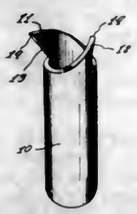
A composition comprising a plasticized polyvinyl butyraldehyde acetal resin made in the presence of sulfuric acid, such an amount of a basic alkali metal compound associated with the polyvinyl butyral resin that a solution of 100 grams thereof requires 5–20 cc. of 0.01N HCl for neutralization using bromphenol blue indicator, and 0.05–0.5 part of dimethylol urea for every 100 parts of acetal resin which stabilizes the composition against discoloration and insolubility in ethanol after heating for two hours at 160° C., said resin having a non-extractable sulfur content of more than 0.025% and containing on a weight basis 16–22% hydroxyl groups calculated as polyvinyl alcohol and less than 3% acetate groups calculated as polyvinyl acetate and the balance being the acetal.

2,561,184
TRANSMISSION LINE ATTENUATOR
Rudolph A. Dehn, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 18, 1948, Serial No. 49,974
3 Claims. (Cl. 178—44)



1. A coaxial section having an input and an output for connection respectively to a source and to a receiver of electromagnetic energy, said section comprising an outer conductor, an inner conductor, and a dielectric medium between them, said inner conductor being a non-conductive rod coated with a thin film of conducting material having a relatively high resistance in comparison with that of said inner conductor, said dielectric being a liquid with a relatively high conductivity in comparison to that of air whereby the amount of energy transmitted to said receiver at said output is substantially less than the amount received from said source at said input and the amount reflected at said section is substantially constant over a wide range of operating frequencies.

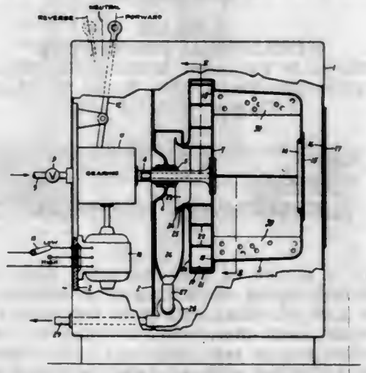
2,561,185
LEAD CUTTING TOOL
Robert Victor Drake, Chicago, Ill.
Application January 30, 1950, Serial No. 141,294
1 Claim. (Cl. 77—69)



A lead cutting tool comprising a sleeve body, angularly spaced cutting teeth disposed on one end of the sleeve body, said cutting teeth having a leading edge extending at forty five degrees relative to a line extending through the said edge and parallel to the longitudinal axis of the body, and each tooth having an inwardly inclined cutting edge extending forty five degrees relative to the radius through the said edge of the said sleeve body.

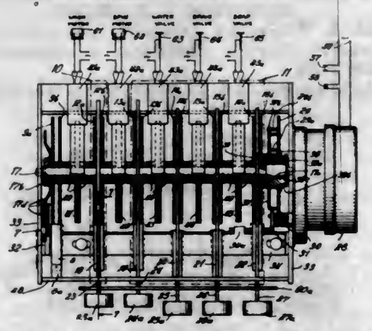
2,561,186
WASHING MACHINE
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application February 4, 1943, Serial No. 474,670
3 Claims. (Cl. 68—24)

1. In a washing machine, walls defining a tub for the reception of clothes and cleaning fluid, a shaft which supports the tub for rotation about a horizontal axis, means in the tub for effecting washing when the tub is rotated about its axis, outer end and side walls attached to an end wall of the tub which define a compartment at such end of the tub of greater diameter than the tub whereby the peripheral portion of such compartment defines an annular pocket radially beyond the tub for reception of liquid, the end wall of the tub adjacent to said compartment being provided at its periphery with openings which connect the tub with said compartment at points spaced radially inward from the outer side wall of said compartment and said outer compartment being provided with a central discharge opening, liquid directing walls in the compartment which define means all facing in



one direction which when the tub is rotated in such one direction direct liquid from said annular pocket toward the central portion of said compartment, walls at the central portion of said compartment which define means which receives liquid from said liquid directing walls and guides it to said discharge opening, a motor, and means connecting the motor to the tub to effect rotation of the tub in one direction at a speed such that centrifugal force at the periphery of the tub is less than gravity for washing and to effect rotation of the tub in the other direction at a lower speed to effect discharge of liquid through said central discharge opening in the outer wall and at higher speed to centrifugally extract liquid from the clothes.

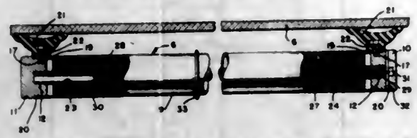
2,561,187
PROGRAM-TIMING MECHANISM
Harold F. Elliott, Belmont, Mass., assignor to Motorola, Inc., a corporation of Illinois
Application April 25, 1945, Serial No. 590,294
15 Claims. (Cl. 68—12)



14. A program timing mechanism for an automatic washing machine comprising, a plurality

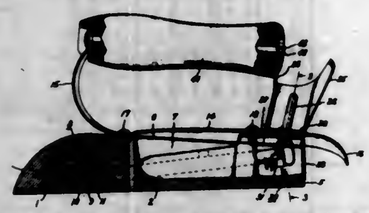
of timing elements for individually controlling a plurality of successive washing operations of said program, means for selectively initiating operation of some of said timing elements, interlocking means between said timing elements effective upon operation of any one thereof to delay the operation of the next successive timing element until completion of the operating cycle of said one of said timing elements, means for selectively predetermining any of a plurality of desired wash-water temperatures, and means interlocked with both of said selective means for preventing operation of the timing mechanism prior to operation of both of said selective means.

2,561,188
WINDSHIELD PROTECTOR
Marvin D. Ferguson, Minneapolis, Minn.
Application May 1, 1948, Serial No. 24,462
2 Claims. (Cl. 160—23)



1. In a device of the character described, a cylindrical casing consisting of a tubular body and a pair of plugs, one plug for each end of said body, each plug being adapted to close its respective end of said body and being formed at its inner portion with an axial bore and with a radial bore, said tubular body having a slot therein longitudinally thereof between its ends and formed near each end with an aperture for registry with the radial bore of its respective plug, a tubular roller journaled at its ends in the axial bores in said plugs, a curtain extending through the slot in said body and fastened at its inner end to said roller, a helical spring within the roller having one end thereof fastened to said roller, means carried by one of said plugs for fastening the other end of said spring thereto, such plug being rotatable in the tubular body to tension said spring, supporting members, one for each end of the casing, each supporting member having a stem removably applicable to the casing to extend through its respective aperture in said body and into the radial bore of its respective plug, said stems serving normally to secure their respective plugs relative to said tubular body.

2,561,189
BLOCK SOLEPLATE AND COVER FOR ELECTRIC FLATIRONS
Frank E. Finlayson, Ontario, Calif., assignor to General Electric Company, a corporation of New York
Application June 26, 1948, Serial No. 35,400
1 Claim. (Cl. 38—90)

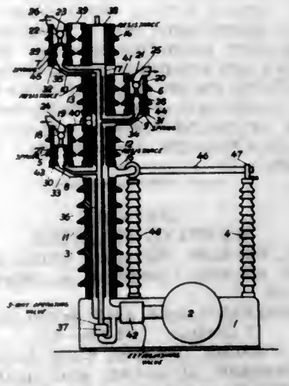


An electric flatiron comprising a unitary solid metal sole block, formed with a triangular bottom flat ironing face, converging side faces and a back face extending upwardly from the ironing face, and a flat top face, said block having a cavity in its top face of materially less area than the area of the bottom face, said cavity having an opening in the back face of the block, a heater embedded in the block around the cavity, terminals extending from the heater into the cavity opposite the back face opening, a single plate fabricated to form a front handle support and a flat cover for said top face along with a rolled broad edge for a first heel rest portion, said plate covering said cavity, a terminal and cover support member secured within the cavity under the cover, a cover for the back face opening integral with the support member, electrical plug connections from the heater terminals carried by the support member and extending through the cover, a rear handle support with an integral plug guard surrounding the plug connections, said guard forming additionally a second heel rest portion, a handle secured between the handle supports, and means securing the second handle support to the support member and to the cover plate.

2,561,190
PREPARATION OF 2-METHYL-5-BENZOYL BENZOXAZOLE AND CYCLAMMONIUM SALTS THEREOF
John Charles Firestine, South River, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 25, 1949, Serial No. 101,492
5 Claims. (Cl. 260—307)

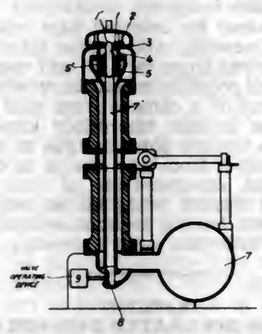
1. The compounds taken from the group consisting of 2-methyl-5-benzoylbenzoxazole and its quaternary salts.

2,561,191
COMPRESSED AIR CIRCUIT BREAKER WITH A PLURALITY OF SERIES CONNECTED BREAKING GAPS
Haakon Forwald, Valhalla, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application January 17, 1948, Serial No. 2,917
In Sweden November 24, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 24, 1963
2 Claims. (Cl. 200—148)



1. A high tension compressed air circuit breaker comprising a central column of insulating cylinders, joining members between said insulating cylinders, a compressed air container, a pipeline between said air container and said insulating cylinder column, an extinguishing valve in said pipeline, extinguishing air chambers comprising movable contacts and stationary contacts laterally and dismountably secured to said column, hollow connecting members connecting the interior of said extinguishing chambers with the interior of said insulating column, contact operating cylinders in said extinguishing air chambers, contact operating pistons in said cylinders, a contact operating air pipeline in said column, pipes joining said operating cylinders with said operating air pipeline, and a contact operating air valve in said operating air pipeline.

2,561,192
VALVE FOR COMPRESSED AIR CIRCUIT BREAKERS
Haakon Forwald, Valhalla, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application January 17, 1948, Serial No. 2,922
In Sweden May 20, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 20, 1964
2 Claims. (Cl. 200—148)

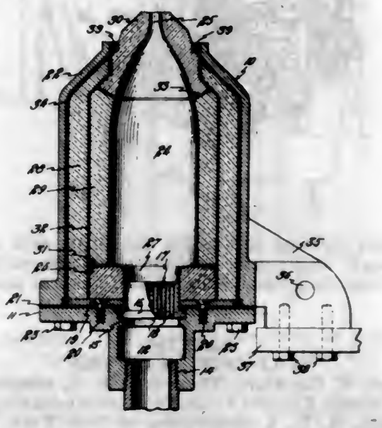


1. A compressed air circuit breaker comprising a stationary contact, a movable contact, means delivering arc extinguishing air to said contacts, a nozzle traversed by said arc extinguishing air in contact with the arc between the contacts, a valve seating on said stationary contact in close proximity to the inlet side of said nozzle, a valve member connected to the movable contact and forced against said seating when the contacts are in their closed position.

2,561,193
α-METHYL BENZYL ESTERS OF CAMPHOLIC AND FENCHOLIC ACIDS
William A. Fry, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application May 20, 1949, Serial No. 94,520
3 Claims. (Cl. 260—468)

1. The α-methyl benzyl ester of an acid selected from the group consisting of campholic and fencholic acids.

2,561,194
INTERNAL GAS BURNER
Alfons A. Furczyk, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application July 31, 1946, Serial No. 687,264
2 Claims. (Cl. 158—116)

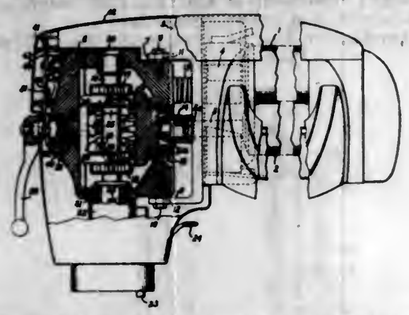


1. A gas burner comprising a metal shell having an opening in a wall thereof, a hollow body in said shell which provides a substantially closed combustion chamber having an inlet for a combustible gaseous mixture and a restricted outlet for high temperature heating gases, said body being disposed in said shell so that the restricted outlet end of said body projects through and beyond said opening and high temperature heating gases adapted to issue from the restricted outlet avoid contacting said shell, said body at the restricted outlet end thereof having a pair of substantially straight shoulders in spaced apart parallel relationship at the exterior surface thereof, and a pair of spaced apart parallel pins fixed to said shell at said opening and extending across the latter, a portion of the restricted outlet end of said body extending into the space between said pins so that said shoulders engage and contact said pins to locate the restricted outlet in a definite position with respect to said shell.

2,561,195
CLOTHES WRINGER CONTROL MECHANISM OF THE INSTINCTIVE RELEASE TYPE
Samuel I. Gabrielson, Southport, Conn., assignor to General Electric Company, a corporation of New York
Application December 24, 1948, Serial No. 67,213
5 Claims. (Cl. 68—269)

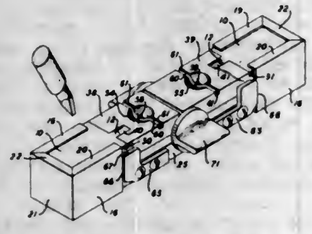
1. In a wringer, a frame, wringer rolls mounted within said frame, driving mechanism for said rolls, a control handle for effecting operation of the driving mechanism to rotate said rolls by movement of the handle from a neutral to a controlling position, means pivotally supporting said frame for rotation with respect to said driving mechanism and control handle, yielding means normally holding said frame in a normally operative position, a toggle spring element, connection means interconnecting said spring element with said control handle to form a toggle between them which holds said handle either in said neutral or in said controlling position depending upon the position of said handle, and shiftable through a dead center position as said handle is moved in either direction between

said neutral and controlling positions, and a member movable by said frame as it rotates from said normal operative position against the force



of said yielding means for operating said toggle through dead center position to return said handle from said controlling to said neutral position.

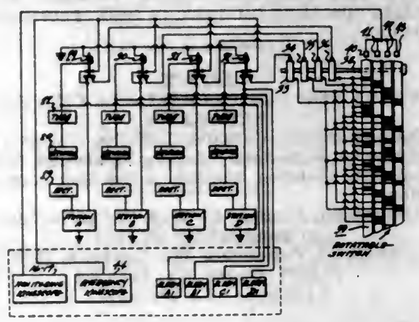
2,561,196
SOLDERING FIXTURE
Marcel C. Gauthier, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 21, 1947, Serial No. 723,274
3 Claims. (Cl. 113—100)



1. A soldering fixture for containers to include main parts with flanges at open sides thereof and side parts to be positioned within the main parts and soldered to the flanges at the open sides, the fixture comprising a member having outer ends formed to receive and locate certain of the side parts relative to their respective flanges of the main parts, companion elements normally positioned in alignment with each other, parallel with the member with interfitting inner ends extending beyond the center of the member and outer ends formed to receive and locate the other side parts of the containers relative to their respective flanges of the main parts, fulcrums for the elements positioned intermediate their ends, an actuator positioned between the member and the interfitting inner ends of the elements to move these ends of the elements outwardly about their fulcrums to move the outer ends of the elements toward the adjacent ends of the member to free the containers, and spring means urging the elements into their normal positions to firmly hold side parts of containers against the flanges at the open sides of the main parts.

2,561,197
TELEVISION INSPECTION SYSTEM
Alfred N. Goldsmith, New York, N. Y.
Application December 30, 1948, Serial No. 68,118
4 Claims. (Cl. 178—6.8)

1. A system for inspecting the radiation from each of a plurality of areas for departure from normal radiation by said areas comprising, in combination, a plurality of television cameras each being presented to view a different one of said areas, each camera being adapted to produce a normal video current output in response to viewing normal radiation and to produce an abnormal video current output in response to viewing abnormal radiation, a plurality of means each of which is connected to a different one of said camera outputs to produce a control potential responsive to an abnormal video output from its associated camera, a monitoring kinescope, means selectively coupling said camera outputs to said monitoring kinescope whereby said mon-

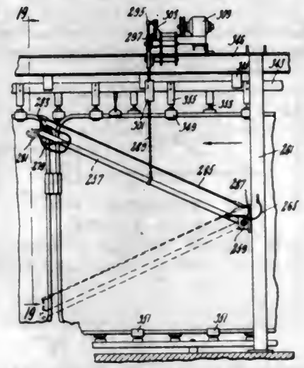


itoring kinescope produces images of said areas which are made to appear at different times and to be maintained for selected time intervals, an emergency kinescope, and means interposed between the output from each of said cameras and said selectively coupling means to switch the video current output of a camera from said monitoring kinescope to said emergency kinescope responsive to a control potential due to an abnormal video output from any one of said cameras applied to the associated one of said means to produce said control potential whereby an image of the area having an abnormal radiation is produced on said emergency kinescope.

2,561,198
SPRAYING APPARATUS FOR SPRAYING MOVING PLATES
Roger L. Griffin, Marblehead, and Norman Y. Moore, Danvers, Mass., assignors to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine
Original application March 23, 1944, Serial No. 527,706. Divided and this application May 10, 1947, Serial No. 747,246
6 Claims. (Cl. 91—45)

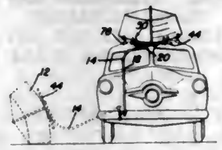
1. In a spraying apparatus for spraying material upon plates for supporting freshly tanned hides, the combination with a conveyor for supporting the plates vertically and for advancing them to the spraying apparatus, of spraying apparatus for spraying the material simultaneously upon the opposite faces of the plates as they are fed by the conveyor, the spraying apparatus comprising a pair of oscillatory spray arms spaced apart to permit the plates to pass therebetween and mounted at one end to oscillate vertically upon aligned horizontal axes normal to the plane of the plates, a nozzle on the opposite end of each arm, means for supplying material to the nozzles, and mechanism for oscillating the arms in unison in opposite directions, said mechanism comprising a flexible connection having vertical end sections secured one

to one spray arm and the other to the other arm, guide rolls above the arms around which the flexible connection passes, a second set of guide rolls for supporting the middle portion



of the connection, and power driven devices connected to such middle portion for actuating the connection first in one direction and then in the other to oscillate the arms.

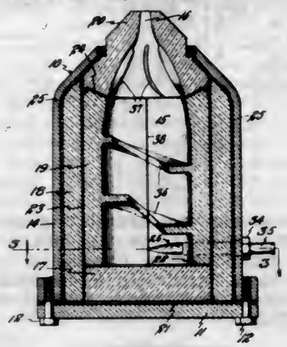
2,561,199
BOAT CARRIER FOR AUTOMOBILES
George W. Harder, Louisville, Ky.
Application February 2, 1950, Serial No. 141,991
3 Claims. (Cl. 224—42.03)



3. A boat loading device for use with a vehicle having front and rear bumpers and a roof comprising a pair of angular supporting arms pivotally secured to the bumpers and extending inwardly relative to each other, supporting members secured to the inner ends of the arms and disposed parallel with the bumpers, clamps adjustably carried by the members and detachably affixed to the gunwales of a boat and suction cups adjustably clamped to the boat for positioning the boat on the roof, said clamps being adjustable vertically and horizontally of the supporting members.

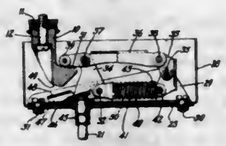
2,561,200
INTERNAL GAS BURNER
Frederic O. Hess, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application July 26, 1946, Serial No. 686,421
9 Claims. (Cl. 158—116)

1. A gas burner comprising structure including a hollow body which provides a substantially closed combustion chamber having an inlet for a combustible gas mixture and a restricted outlet, said chamber having its inner wall surface and outlet formed substantially entirely of high temperature refractory material, said inlet being formed and arranged to discharge the gaseous mixture into said chamber substantially tangentially to the inner wall surface thereof and in a direction transverse to the longitudinal axis of the burner to induce whirling movement of the gaseous mixture so that combustion of the mixture may be effected within said chamber to cause heating of said inner wall surface to incandescence and produce a region of intense heat in which substantially complete combustion is



accomplished while heated products of combustion are discharged through the outlet, and high temperature refractory means at the inner wall surface of said chamber adjacent to the restricted outlet end thereof to promote straight line flow of heated gases discharged through the outlet.

2,561,201
REFRIGERATOR LATCH
Francis M. Hogg, Findley Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application October 31, 1947, Serial No. 783,245
11 Claims. (Cl. 292—332)

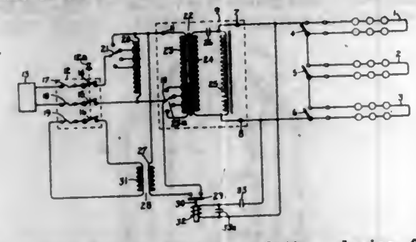


8. A door latch adapted to engage a strike and comprising a supporting structure, a pair of spaced links pivotally mounted on said structure, a latch bolt carried by said links, means for actuating one of said links to move said latch bolt toward its retracted position, and a trigger adapted to engage the strike for moving said latch bolt from its retracted position toward its latching position, said trigger being moved to strike-engaging position by said one of said links during the actuation of said one of said links for moving said latch bolt toward its retracted position.

2,561,202
CONSTANT CURRENT OPEN CIRCUIT PROTECTIVE SYSTEM
Philip H. Houser and Justin Peterson, Swampscott, Mass., assignors to General Electric Company, a corporation of New York
Application February 7, 1948, Serial No. 7,004
8 Claims. (Cl. 175—294)

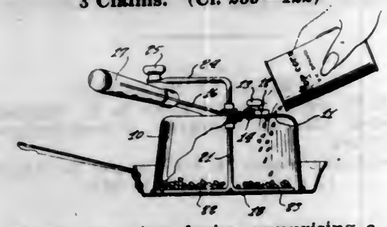
1. In a constant current electric protective system, an electric translating device having input terminals for connection to a source of alternating current supply of predetermined frequency and output terminals for connection to a con-

stant current load circuit, said translating device having an electrical characteristic such that said output terminals when open circuited supply a distorted voltage containing a prominent harmonic of said source frequency, switching means



for disconnecting said translating device from said supply source, and control means connected to actuate said switching means and including a circuit coupled to said output terminals and significantly responsive only to said harmonic frequency voltage.

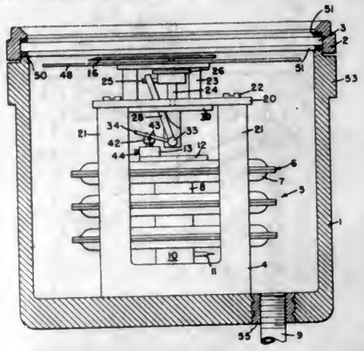
2,561,203
CORN POPPING DEVICE
Morris Joffe, Brooklyn, N. Y.
Application June 4, 1949, Serial No. 97,168
3 Claims. (Cl. 259—122)



1. A corn popping device comprising a casing having a high side wall, an elevated closed top and an open bottom ring on the side wall adapted to rest upon a heated surface, said casing having an opening in the top through which corn kernels can be poured to engage with the heated surface, a cover on the top adjustable over said opening, a bushing extending through the closed top of the casing and an agitating rod extending through the bushing and rotatable therein, said rod having horizontally extending portions engageable with the heated surface and an arm for operating the same externally of the casing.

2,561,204
PRESSURE GAUGE
Leon D. Johnson, Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application April 5, 1948, Serial No. 18,881
2 Claims. (Cl. 73—410)

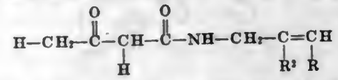
1. In an absolute pressure gauge having a chamber for the reception of fluid whose pressure is to be indicated, an evacuated pressure responsive unit in said chamber adapted to perform axial movements in accordance with changes in the pressure in said chamber, an axially tapped post secured to said pressure responsive unit for participation in said axial movement of said unit, a cap screw axially adjustable in said post, a radial pin projecting from the head of said screw, a rock shaft supported in said chamber and extending at right angles to said tapped post, an arm extending from said rock shaft and engaging the radial pin projecting from said cap screw, whereby the angular movement of the rock shaft for a given linear movement of the pressure responsive unit may be varied, a second arm projecting from said rock shaft, an indicating device having



a part movable in a plane perpendicular to the direction of the axial movement of said pressure responsive unit which is actuated by said last named arm projecting from the rock shaft.

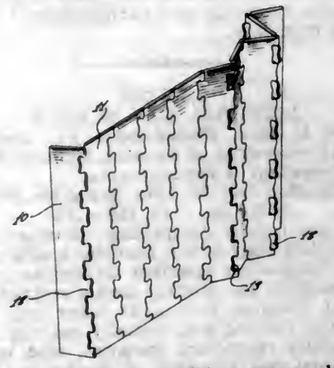
2,561,205
ACETOACETIC AMIDE OF β,γ-ETHYLENICALLY UNSATURATED AMINES
Giffin D. Jones, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 2, 1947, Serial No. 745,649
2 Claims. (Cl. 260—561)

1. N-allylacetoacetamides of the formula:



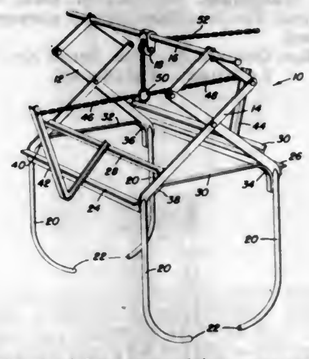
in which R represents a member of the group consisting of hydrogen and methyl and R^2 represents a member of the group consisting of hydrogen, methyl and halogen.

2,561,206
WOOD SCREEN WITH LOCK JOINTS
Rudolf Kaspar, Long Island City, N. Y.
Application April 1, 1949, Serial No. 84,915
1 Claim. (Cl. 160—229)



A foldable screen comprising screen elements, having on their side edges alternate recesses and projections to interlock adjacent elements together, said projections and recesses being of the same size and shape and so arranged that the projections on one element are adapted to extend through the recesses of an adjacent element, the projections of said elements having top and bottom end lips to provide a dovetail shape, the dovetail projections being provided with an opening extending longitudinally therethrough and a coupling wire extending through the openings of a series of projections on adjacent elements to pivotally connect said elements, whereby as the screen elements are adjusted the strain between the elements is assumed by top and bottom lips of the projections.

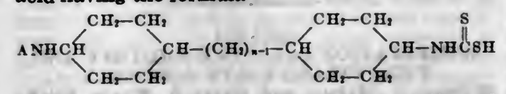
2,561,207
STONE PICKER
Lester E. Kellner, Merrill, Wis.
Application December 28, 1949, Serial No. 135,433
6 Claims. (Cl. 294—119)



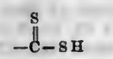
2. A stone picker comprising opposed pairs of lazy tongs, a suspension member pivotally connecting the upper ends of said pairs of lazy tongs in spaced relationship, pairs of grappling legs at the other end of said pairs of lazy tongs, connecting bars terminally rigidly connected to said pairs of lazy tongs and extending therebetween, elbow members secured to said connecting bars medially thereof, and means secured to said elbow members supported by said suspension member for selectively actuating said stone picker, said means comprising a ring, means connecting said ring to each of said elbow members, and means connecting said ring to a lifting mechanism.

2,561,208
THIOCARBAMIC ACID DERIVATIVES OF ALKYLENEBIS (CYCLOHEXYL AMINE)
William Kirk, Jr., New Castle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 30, 1948, Serial No. 18,070
7 Claims. (Cl. 260—429)

1. A member of the class consisting of dithiocarbamic acids, their salts, and their esters, said acid having the formula



wherein A is a radical of the class consisting of hydrogen and

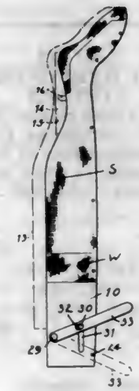


and n is an integer from 1 to 5.

2,561,209
HYDROGENATED DICYCLOPENTADIENE INSECTICIDE
Allen R. Kittleson, Cranford, and Louis A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1947, Serial No. 794,786
5 Claims. (Cl. 167—30)

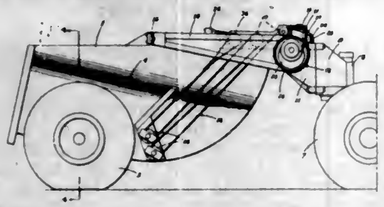
3. An insecticidal composition comprising a polychloro tetrahydrodicyclopentadiene containing from 50 to 75% by weight of chlorine, said product being obtained by completely hydrogenating dicyclopentadiene in the presence of a hydrogenation catalyst, followed by chlorinating the hydrogenated product with elemental chlorine to substitute chlorine atoms for hydrogen atoms to the indicated chlorine range in the presence of ultra-violet light at a temperature in the range of 0° to 100° C., admixed with a dispersing agent which lowers the surface tension of water and thereby promotes aqueous colloidal emulsions of the polychloro tetrahydrodicyclopentadiene.

2,561,210
FORM FOR EXAMINING AND FINISHING STOCKINGS
Max Kohlsdorf, Woodhaven, N. Y.
Application November 29, 1949, Serial No. 130,038
2 Claims. (Cl. 223—77)



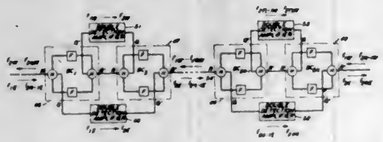
1. A device of the character described comprising a pair of side plates having substantially leg-shaped profile, spacing means separating the two side plates, a stretcher slide plate also having substantially leg-shaped profile positioned between the two side plates and slidable outwardly from between the two side plates, said stretcher plate having a recessed portion and transverse slots in said portion, an operating member received in said recessed portion and slidable longitudinally relative to said stretcher slide plate, said operating member having longitudinal slots and diagonally extending cam surfaces, cam follower members extending from said stretcher plate into engagement with said cam surfaces, collar carrying bolts extending through the transverse and longitudinal slots, a pivotally supported manipulating lever and pin and slot engagement means between said lever and said operating member for sliding said operating member.

2,561,211
AUTOMOTIVE DUMP WAGON
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application April 22, 1946, Serial No. 664,080
14 Claims. (Cl. 298—19)



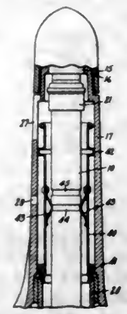
1. A dump wagon comprising a dump body open top and rear, transversely spaced wheels supporting the body adjacent its rear end, a vehicle supported draft yoke straddling the dump body from the front, said yoke including a cross beam and rearwardly projecting spaced apart side beams, means pivoting the side beams at their rear ends to the sides of the dump body adjacent the top edge thereof and intermediate the ends of the body, adjustable means tiltably suspending the dump body ahead of its wheels from the yoke, and a power unit mounted on the cross beam of the yoke operatively connected to said body suspending means; the cross beam of the yoke being hollow and said power unit being disposed therein.

2,561,212
MICROWAVE HYBRID BRANCHING SYSTEMS
Willard D. Lewis, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 15, 1949, Serial No. 133,195
6 Claims. (Cl. 250—15)



1. A multichannel repeater for microwave transmission systems of the types having a first frequency channel for receiving intelligence-bearing signals from two directions in a transmission medium at said repeater and a second frequency channel for transmitting intelligence-bearing signals in said two directions in said transmission medium from said repeater comprising in combination, at least a first and second hybrid branching circuit each having two pairs of wave-guide terminals, the terminals of each pair being effectively exclusively connected together for signal frequencies within a given frequency band and the corresponding terminals of the two pairs being effectively exclusively connected together for signal frequencies outside said band, the band frequency of said first branching circuit being substantially equal to the frequency of said first channel, the band frequency of said second branching circuit being substantially equal to the frequency of said second channel, one terminal of said first branching circuit connected to receive said intelligence-bearing signals from one direction, the corresponding terminal connected to receive said intelligence-bearing signals from the other direction, means for amplifying said intelligence-bearing signals and translating the frequency thereof from said first channel frequency to said second channel frequency, said means connected from the paired terminal of said one terminal of said first branching circuit to one terminal of said second branching circuit, and a second amplifying and translating means connected from the corresponding terminal of said paired terminal of said first branching circuit to the corresponding terminal of said one terminal of said second branching circuit.

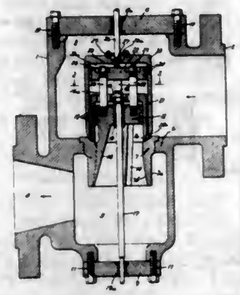
2,561,213
WATER LEVEL CONTROL MEANS FOR AUTOMATIC WASHING MACHINES
Curtis J. Mahowald, Parshall, N. Dak., assignor to General Electric Company, a corporation of New York
Application October 21, 1949, Serial No. 122,738
9 Claims. (Cl. 68—23)



1. In a washing machine, a tub, a basket therein in which the clothes are to be washed and spin dried, means for introducing water into the basket, an agitator in said basket, said agitator having a tubular post extending to above the maximum operational water level of said basket and having inflow ports at vertically spaced locations, means providing a water passage communicating between said tubular post and said tub, means defining a valve seat at the entrance to said water passage below the lowermost of said agitator postports, and a tubular valve element disposed within said agitator post for axial movement therein, said tubular element extending to the uppermost of said openings and having at its lowermost end an annular valve element seatable within said valve seat when it is desired to effect communication between said uppermost agitator port and said water passage and removable from said valve seat when the lower agitator port is to be rendered effective.

2,561,214
COMBINATION BALANCED SHUTOFF AND THROTTLING VALVE ASSEMBLY
William N. Matson and Harry A. Mayor, Fitchburg, Mass., assignors to General Electric Company, a corporation of New York
Application July 26, 1950, Serial No. 175,992
7 Claims. (Cl. 277—37)

7. In a composite valve assembly, the combination of a valve body defining an inlet chamber and an outlet chamber separated by a wall portion forming a circular flow control port, a stationary guide piston member supported from said wall portion in fixed coaxial relation with the port and spaced axially therefrom in the inlet chamber, a first longitudinally slidable cup-shaped piston member disposed over the stationary guide piston and having a circumferential edge adapted to engage said wall portion around the port, a first actuating rod slidably disposed through a bore in said guide piston and having one end portion connected to the first cup piston and the other end portion projecting through the outlet chamber and adapted to be variably positioned so the edge of the cup piston forms an an-



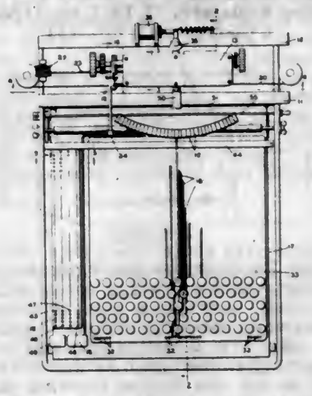
nular orifice with the wall portion surrounding said port, a second longitudinally slidable cup piston member disposed over the first cup in the inlet chamber and also having a circumferential edge portion adapted to engage said wall portion surrounding that contacted by the first cup piston, a second actuating rod connected to the second cup and extending through an adjacent wall portion of the inlet chamber, whereby one of said cup pistons may be moved to a wide open position, serving as a shut-off valve, while the other is variably positioned to form an annular throttling orifice for discharging fluid from the inlet chamber through the port into the outlet chamber with only a single throttling process.

2,561,215
LAMINATED PRODUCTS AND ADHESIVE COMPOSITIONS OF MATTER
Charles J. Mighton, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 1, 1945, Serial No. 626,160. In Canada June 11, 1945
13 Claims. (Cl. 154—43)

4. A laminated article comprising a solid material bonded to a solid material by an adhesive comprised of a copolymer of a diene hydrocarbon containing conjugated double bonds and a member of the class consisting of unsubstituted monovinylpyridines and alkyl substituted monovinylpyridines, the said hydrocarbon being present in amounts of 50% to 95% by weight of said copolymer and the vinylpyridine being present in amounts at least 5% by weight of said copolymer in admixture with an infusible polyhydric phenol-aldehyde resin formed from a heat convertible resin previously blended with said copolymer, the amount of said resin being from 20% to 60% by weight of said adhesive.

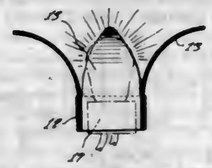
7. An article in accordance with claim 4 in which a fibrous material is bonded to an elastomer by said adhesive.

2,561,216
STENCIL CUTTING DEVICE FOR PHOTO-COMPOSING APPARATUS
Maurice E. Miller, Addison, N. Y.
Application December 15, 1948, Serial No. 65,336
4 Claims. (Cl. 164—112)



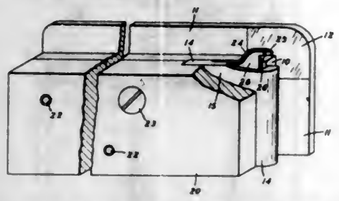
1. In apparatus of the character described, in combination, a typewriting machine having a movable carriage, a bank of type hammers of varying widths corresponding to the widths of the characters represented, means associated with said type hammers for controlling the movements of said carriage according to the width of the type hammer actuated, means for actuating said type hammers, means associated with said last means for advancing a stencil sheet and for perforating the same in accordance with the character represented by the type hammer actuated, and a space key associated with said stencil advancing means and adapted when struck to actuate a type hammer, to perforate said stencil and to actuate said advancing means to advance said stencil twice the distance it is advanced when another type hammer is actuated.

2,561,217
SIMULATED FLOWER WITH THERMOSTATIC ACTION
James Ogilvie Muir, Arlington, N. J.
Application May 10, 1949, Serial No. 94,356
1 Claim. (Cl. 41—14)



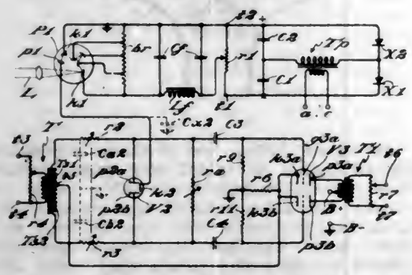
A simulated flower construction comprising laminated layers of metal and paper secured together, the laminated layers being cut to provide petals and a lower band, said petals having edges normally joining with one another when in their closed positions, the metal layer lying innermost so that the petals may open when subjected to heat from the interior of the flower, said metal layer extending below the lower edge of the paper layer and upwardly on the opposite side thereof whereby to provide added thickness of the flower along the band area and a tab on one end of the band and adapted to overlap the other end of the band to secure the ends of the band together.

2,561,218
WIRE STRIPPING TOOL
Hollis W. Norman and James N. Rollings, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 11, 1947, Serial No. 773,376
2 Claims. (Cl. 81—9.51)



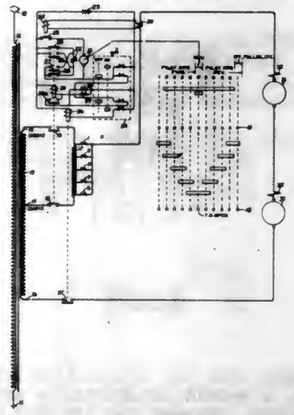
1. A tool for stripping the textile covering enclosing the conductor core of cords, which comprises a body member, a pair of guiding surfaces formed on the body member at right angles to each other for directing the end of a cord along a predetermined path as it is drawn across the tool to slit the textile covering thereof, a plate having a round-nosed nib supported from one corner thereof positioned against the body member, said nib being positioned with respect to the guiding surfaces so that when the end of a cord is drawn against the nib it pierces the covering at the start of the slitting operation at a point substantially tangent to the periphery of the conductor core and below the central axis of the cord and is prevented from projecting out of the covering immediately above its point of entrance, a knife blade positioned against the plate and having its cutting edge projecting from one corner thereof slightly behind and below the nib of said plate, a retainer for holding the plate and the blade in position with respect to said body member, said blade having a shoulder provided at the base of the cutting edge therefor for locating the cutting edge with respect to the nib, and means for clamping the retainer in place against the body member.

2,561,219
PHOTOELECTRIC MODULATOR
Alexander Nyman, Dover, Mass., assignor to Alden Products Co., Brockton, Mass., a corporation of Massachusetts
Application March 21, 1950, Serial No. 150,921
30 Claims. (Cl. 332—3)



1. A modulation system of the type suitable for transmitting signals defining a facsimile of an image comprising a carrier wave generator, an input signal source responsive to modification of light due to an optical characteristic of the image, a vacuum tube having an anode, a cathode and a control electrode, a coupling network interposed between said generator and said tube, said network including voltage dividing elements, two input circuits each including a rectifier and a respective voltage dividing element in series between the signal source and said cathode and said control electrode, and an output circuit including in series said anode and said cathode, the output of said circuit varying in response to said signal.

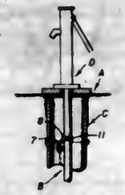
2,561,220
ELECTRIC CONTROL SYSTEM
Harold S. Ogden, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application March 2, 1950, Serial No. 147,226
3 Claims. (Cl. 323—43.5)



1. An electric control system for an A.-C. motor, said system comprising a transformer having a primary winding and a secondary winding, means for energizing said primary winding, taps from said secondary winding for deriving a plurality of different voltage circuits therefrom, high secondary voltage circuit interrupting means associated with one of said taps, low secondary voltage circuit interrupting means associated with another of said taps, an accelerating resistance having one end thereof connected to said high secondary voltage circuit interrupting means and having the other end thereof connected to said low secondary voltage circuit interrupting means, a ladder of contacts arranged to progressively tap into successive portions of said resistance bank, cam means arranged to sequentially operate the contacts of said ladder, and control means for first connecting the associated end of said resistance through said low secondary voltage circuit interrupting means and operating said cams in one direction and subsequently connecting the opposite end of said resistance bank through said high secondary voltage circuit interrupting means and operating said cams in the opposite directions.

2,561,221
BAFFLE FOR DRAINAGE PORTS
Myron E. Osburn, Enid, Okla.
Application March 14, 1947, Serial No. 734,829
1 Claim. (Cl. 103—221)

Pump protecting baffle means for use with a pump structure embodying a well casing, a water delivery and pump attaching pipe mounted in the casing, a pump secured to the upper discharge end of the pipe, said pipe having a drainage hole therein at a predetermined level and within the confines of the surrounding casing, said baffle means comprising, a pair of semi-circular attaching bands embracing the pipe at a point above the drainage hole, a concavo-convex baffle plate connected at one end to one of said bands and being offset therefrom, said plate extending downwardly from said band in spaced parallelism with the drainage hole and

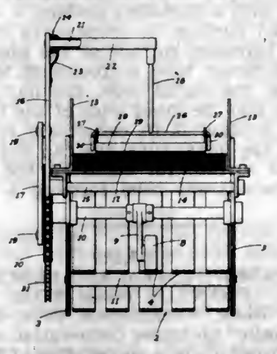


being bent inwardly at the lower end thereof toward the pipe to assure the passage of the water in a direction toward said pipe and away from said casing, the ends of said bands being bifurcated and laterally bent and abutting one another, and bolt and nut retaining means connecting said band ends together.

2,561,222
ELECTROLYTIC METHOD OF STRIPPING NICKEL, CHROMIUM, COPPER, ZINC, CADMIUM, SILVER, TIN, AND LEAD ELECTRODEPOSITS FROM FERROUS BASIS METALS, AND COMPOSITIONS FOR USE THEREIN
Frank Passal, Detroit, Mich., assignor to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application October 22, 1948, Serial No. 56,052
3 Claims. (Cl. 204—146)

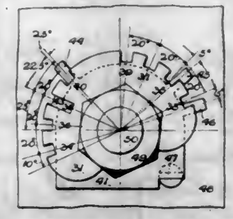
1. A method of stripping nickel, chromium, silver, tin, lead, copper, zinc and cadmium electrodeposits from ferrous basis metal consisting essentially in immersing, as an anode, a ferrous basis metal having an electrodeposit of one or more of the aforesaid electrodeposits thereon, in an aqueous bath consisting of 200 g./l. (plus 100% or minus 50%) $NaNO_3$ and 100 g./l. (plus 100% or minus 50%) CrO_3, and passing a direct electric current from said anode to a cathode.

2,561,223
RECIPROCATING SHEET FEEDING DEVICE
Orville K. Peckham, Sonora, Calif.
Application February 17, 1947, Serial No. 728,988
3 Claims. (Cl. 271—42)



1. A sheet feeding unit comprising a table adapted to support a stack of sheets, an arm upstanding adjacent one side of the table mounted for oscillation in a longitudinal vertical plane, a supporting rod fixed on the arm and projecting laterally inward over the table and stack thereon, a sleeve turnably but axially immovably mounted on the supporting rod, a friction washer unit between adjacent parts of the sleeve and arm, a thrust rod extending from the sleeve at a forward and downward incline above said table and stack, a transverse block secured to the lower end of the thrust rod, a friction pad on the bottom of the transverse block, and rearwardly extending skids on the block at spaced points, the friction pad acting to feed the top sheet of the stack on each advancing stroke of the thrust rod and the skids tending to ride the next uppermost sheet with the pad clear thereof upon the following retracting stroke of said thrust rod.

2,561,224
LOCKING ARRANGEMENT FOR SCREWS
Friedrich Pischek, Eduardo Nicandro Nagle, and Arturo Zacarías Paz Anchorena, Florida, Argentina; said Nagle assignor to said Pischek
Application July 28, 1947, Serial No. 764,192
In Argentina November 15, 1946
4 Claims. (Cl. 151—53)

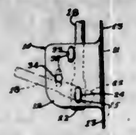


1. In an arrangement for locking a nut forming a regular polygon to its screw, the combination comprising a plate having a polygonal opening fitting the nut and also provided at its periphery with at least two sets of radial notches of equal width, the median notch lines of both sets being equidistantly spaced from their neighbors, the median notch lines of one set being arranged in a predetermined angular relation with respect to a sector of the polygon, the median notch lines of the other set being arranged in a predetermined different angular relation with respect to another sector of the polygon, and also comprising a fixed washer with a hole for a screw and at least two sets of radial tongues of equal width and fitting the notches, the number of tongues in each set being a fraction of the number of notches in a set, the spacing of the tongue sets from one another and of the tongues within a tongue set being such as to cause in a given position of the washer only one of the tongues to register with a notch in the plate and to cause the remaining tongues of the sets to miss registration with a notch succeeding the first notch by an angle increasing uniformly and in succession.

2,561,225
AWNING
Frank A. Powell, Collingswood, N. J.
Application April 8, 1949, Serial No. 86,217
6 Claims. (Cl. 160—45)

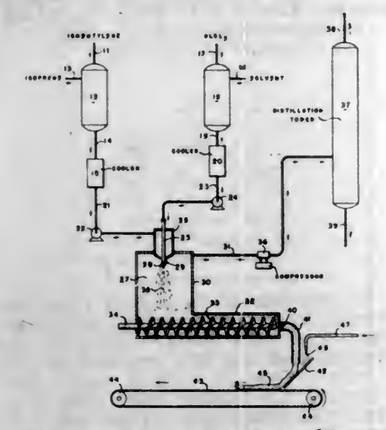
3. In an awning bracket, the combination of a pair of identical parallel spaced wings having a plurality of pairs of apertures, one aperture of each pair being in a separate wing, a rod having an end inserted between said wings and provided with a hole to align with a certain pair of said apertures, a pivot pin extending through the hole

and the apertures with which said hole is aligned, and a holding pin selectively inserted into any of



the remaining pairs of apertures to retain said rod in various positions relative to said bracket.

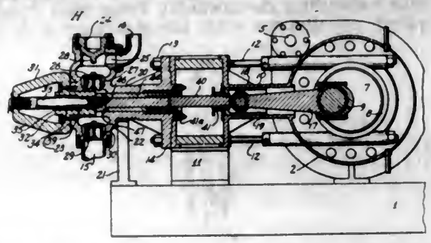
2,561,226
METHOD OF POLYMERIZING OLEFINS AT SUBATMOSPHERIC TEMPERATURES
John M. Powers, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application November 18, 1948, Serial No. 60,774
8 Claims. (Cl. 260—85.3)



1. A method for producing a rubbery polymer which comprises forming a feed mixture consisting of tertiary mono-olefin and a diolefin, said mono-olefin and diolefin having from 4 to 8 carbon atoms in the molecule, chilling said feed mixture to a temperature in the range between —120° and —175° F., forming a catalytic solution of a Friedel-Crafts catalyst in a solvent therefor which does not form complexes therewith and is unreactive with said mono-olefin and diolefin, chilling said solution to a temperature in the range between —120° and —175° F., maintaining said feed mixture and said catalyst solution at a superatmospheric pressure, admixing said chilled feed mixture with an amount of catalyst solution in the range between 0.025 and 0.10 volume per volume of feed at a pressure no greater than 1 pound per square inch absolute and at a temperature in the range between —120° and —175° F. to cause substantial polymerization of said feed mixture to form a product and substantial vaporization of unreacted hydrocarbons, removing heat of said polymerization reaction by the latent heat of vaporization of said unreacted hydrocarbons, and recovering said product.

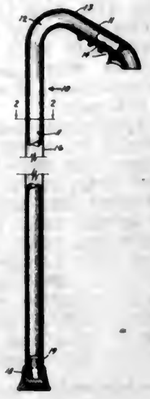
2,561,227
TRIPLE CAPACITY PLUNGER PUMP
Wade R. Reed, Tulsa, Okla.
Application June 1, 1949, Serial No. 96,557
4 Claims. (Cl. 103—37)

1. The combination with a valve casing having a barrel and an axially alined sleeve, an intake valve and a spaced discharge valve, of a plunger assembly including a tubular section and a coaxial plunger section movable with the tubular section, means for reciprocating the coaxial sec-



tion and tubular section in the barrel, a solid cylindrical plunger section mounted in the sleeve, and retaining means for the cylindrical plunger section.

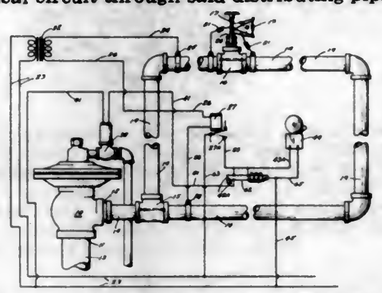
2,561,228
LIGHT REFLECTING CANE
Albert E. Richey, Colorado Springs, Colo.
Application July 26, 1950, Serial No. 175,918
3 Claims. (Cl. 135—45)



1. A safety cane comprising a straight metal tube, a handle extending laterally from the upper end thereof, the outer surface of the straight portion having a luminescent coating, the lower end of the tube having a closure plug provided with a threaded surface, a cap having a threaded surface in cooperative engagement with the threaded surface of the plug, a transparent protector tube surrounding the straight portion of the metal tube, annular spacers at the upper and the lower ends of the transparent tube for holding it in concentric spaced relation with the metal tube, the cap having an annular end surface for engaging the lower end of the transparent tube forming a limit stop therefor.

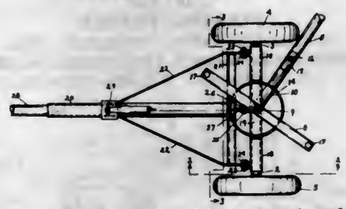
2,561,229
SPRINKLER SYSTEM AND ELECTRICAL CONTROL THEREFOR
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Corporation of America, Youngstown, Ohio, a corporation of Delaware
Application June 3, 1950, Serial No. 165,957
7 Claims. (Cl. 169—19)

1. A sprinkler system comprising distributing piping in a fire zone, an automatic valve in communication with a fluid supply source and said distributing piping, dielectric fittings connecting the said distributing piping and the said automatic valve and dielectric fittings in the said piping carrying normally closed sprinklers including fusible separable parts, electrical conductors establishing shunt circuits about said dielectric fittings and through said fusible separable parts of said sprinklers, means establishing an electrical circuit through said distributing piping,



shunt circuits and said fusible separable parts of said sprinklers, a relay in said circuit, a solenoid valve on said automatic valve, said automatic valve responsive in opening to the said solenoid valve, a secondary electrical circuit connecting said solenoid valve with said relay, the said solenoid valve responsive in operation to the de-energization of said relay as occasioned by the fusing of one of the said sprinklers and the breaking of the shunt circuit therethrough.

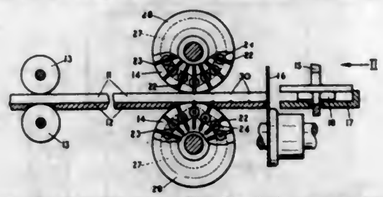
2,561,230
SWINGING AXLE ASSEMBLY FOR TRAILERS
Fred Rohr, Alexis, Ill.
Application February 13, 1946, Serial No. 647,335
1 Claim. (Cl. 280—116)



In a front trailer assembly a front axle, stub axles united to the front axle and on which wheels are mountable, an I-beam support carried by the front axle having an upraised middle portion spaced therefrom and parallel thereto, a fifth wheel or circle mounted on the support, a bolster mounted upon the circle and revolvable thereon, a king-bolt having its upper end united to the middle portion of the bolster and extending downwardly through bores formed in the support and axle, and a sleeve surrounding the king-bolt between the axle and the support to which a reach may be united.

2,561,231
MECHANISM FOR FORMING INDENTATIONS IN MOVING RODS OF PLASTIC MATERIAL
Alfred German Rose, Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company
Application February 12, 1949, Serial No. 76,114
In Great Britain February 26, 1948
5 Claims. (Cl. 107—7)

1. Mechanism for forming indentations in a moving rod of plastic material, comprising a pair of feed rollers for moving the rod, at least one marking knife slidably mounted in a radial slot in at least one of the feed rollers and provided with a pair of lateral projections, a pair of stationary cam members disposed adjacent the faces of the feed roller containing the knife and arranged to be engaged by said projections so as



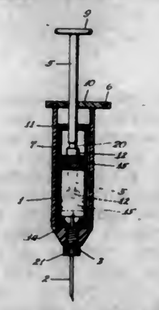
to move the knife periodically into engagement with the rod to form indentations at intervals along the rod, the shape of the cam members being such as to restrain the knife from movement until it is closely approaching the nip position of the feed rollers so as to cause the knife to move quickly into and out of engagement with the rod.

2,561,232
DIALKYLALKENYLSUCCINATES
Harry W. Rudel, Roselle Park, and Jones I. Wasson, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1948, Serial No. 68,388
4 Claims. (Cl. 260—485)

1. As a new composition of matter an aliphatic alcohol diester of an alkenylsuccinic acid containing a single alkenyl group of 4 to 24 carbon atoms, in which the alcohol radicals are selected from the group consisting of (1) alkyl groups of 2 to 14 carbon atoms and (2) alkoxy radicals of the type

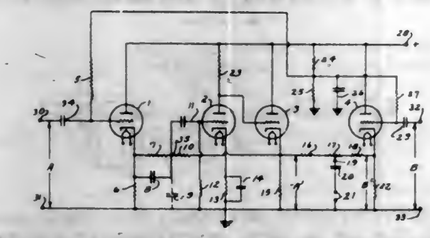
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2,561,233
HYPODERMIC SYRINGE
George R. Ryan, Waukegan, and Ferdinand H. Young, Lake Bluff, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application March 19, 1949, Serial No. 82,334
5 Claims. (Cl. 128—218)



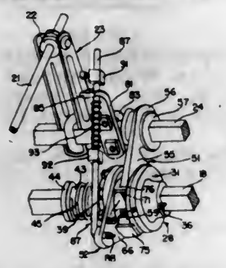
2. A hypodermic syringe comprising, in combination: a cylindrical barrel; a sterile cannula removably insertable in one end of said barrel; a plunger of a size to telescope inside a cartridge inserted in said barrel; and aspirating means on said plunger of a size to fill said barrel and function as a piston in the absence of a cartridge.

2,561,234
CIRCUIT FOR DISTORTION MEASUREMENT
Norman B. Saunders, Cambridge, Mass.
Norman B. Saunders, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Air Force
Application April 30, 1948, Serial No. 24,383
4 Claims. (Cl. 250—27)



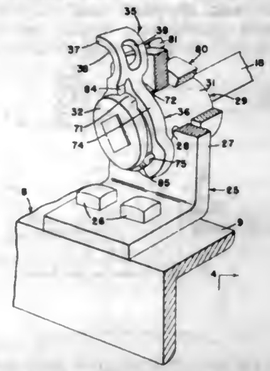
2. A distortion measuring circuit comprising a pair of similar coupling networks each having a fixed low output impedance and an input circuit separate from the input circuit of the other, means for applying an undistorted wave to the input of one of said pair of coupling networks, means for applying a distorted wave resulting from the distortion of said undistorted wave to the input of the other of said pair of coupling networks, means for inverting the phase of the wave applied to one of said coupling networks, means for adjusting the relative amplitudes of the output waves of said coupling networks and means for adding the output waves of said pair of coupling networks.

2,561,235
CAM RELEASED CLUTCH FOR GRAIN DRILLS
Eugene F. Schmutzler, Beaver Dam, Wis., assignor to John Deere Van Brunt Company, a corporation of Wisconsin
Application May 23, 1946, Serial No. 671,732
4 Claims. (Cl. 192—89)



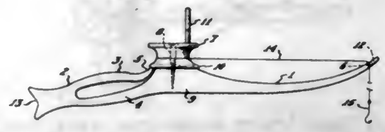
1. In a grain drill or the like having a driving shaft and a rockshaft, a pair of driving and driven clutch elements adapted to be mounted on the driving shaft, a pair of clutch control members, one of which is adapted to be disposed for rocking movement relative to said clutch elements and having cooperating, mutually reacting cam portions, means operatively connected with said rockshaft for rocking said one clutch control member, the other of said control members having a hook-like portion including sections spaced apart adapted to provide for passing said hook-like portion into embracing relation with respect to said rockshaft, and a collar adapted to be mounted on said rockshaft and slidable thereon into cooperating engagement with the spaced-apart sections of said hook-like portion for holding said other clutch control member against rocking movement on the associated clutch element.

2,561,236
GRAIN DRILL
Ernst E. Schnell, Horicon, Wis., assignor to John Deere Van Brunt Company, a corporation of Wisconsin
Application November 1, 1946, Serial No. 707,121
11 Claims. (Cl. 74—469)



1. In a grain drill, frame means, a rockshaft, mechanism adapted to be controlled by movement of said rockshaft and including a shiftable member, means for supporting said rockshaft for rocking movement on said frame means, an arm operatively connected with said mechanism, and mounted for movement relative to said rockshaft and a part mounted on said rockshaft in abutting relation with respect to said arm and engageable with the latter for shifting said arm when said rockshaft is moved in one direction, said part being movable away from said arm when the rockshaft is moved in the other direction.

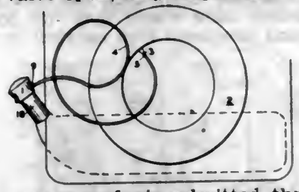
2,561,237
FISHING DEVICE
Arthur C. Shafer, Cincinnati, Ohio
Application January 6, 1949, Serial No. 69,515
2 Claims. (Cl. 43—23)



1. A fishing device comprising a one piece bifurcated hand grip, one prong of which extends beyond the other prong to form a rod and in spaced relation therewith, a line storing reel carrying a fishing line mounted on the extending prong with the exterior face of the flange of the reel in frictional contact with the face of the free end of the other prong, so that the reel will only freely rotate when the prongs are squeezed together.

2,561,238
EMERGENCY MEANS FOR SUPPLYING FUEL TO INTERNAL-COMBUSTION ENGINES
Jacobus Albertus Smit, Cassel Dale, Springs, Transvaal, Union of South Africa
Application February 5, 1948, Serial No. 6,473
In the Union of South Africa November 3, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires November 3, 1967
3 Claims. (Cl. 158—36.5)

1. An emergency cap for the fuel tanks of motor vehicles, comprising a closed vessel having an air inlet and means for connecting said inlet to a source of air under pressure, a resilient pressure-responsive diaphragm forming one wall of said vessel, a normally closed valve disposed in said air inlet, a stem carried by said valve in contact with said diaphragm thereby to maintain the valve open, said diaphragm being oper-

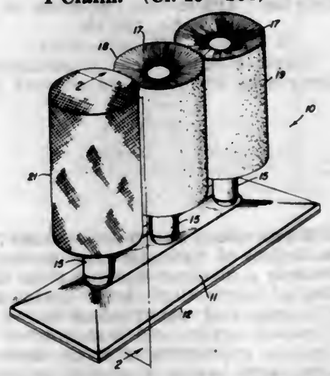


able by pressure of air admitted through said inlet to move the diaphragm away from said valve stem thereby to permit the valve to close when a predetermined pressure is reached in the vessel, said vessel having an air outlet opening, and airtight means for connecting said opening to the fuel tank of a motor vehicle.

2,561,239
PLASTICIZED RUBBERY COPOLYMER OF ISOBUTYLENE AND ISOPRENE
Winthrope C. Smith, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 26, 1945, Serial No. 624,958
2 Claims. (Cl. 260—31.8)

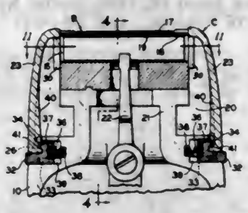
1. A vulcanizable composition of matter comprising 100 parts of a rubbery copolymer consisting of 99½ to 80 parts of isobutylene and ½ to 20 parts of isoprene, the said copolymer having an iodine number below 50, and 5 to 60 parts by weight of di(ethyl hexyl) sebacate.

2,561,240
GLASS CLEANER
Joseph E. Spearman, East Detroit, Mich.
Application February 2, 1948, Serial No. 5,761
1 Claim. (Cl. 15—164)



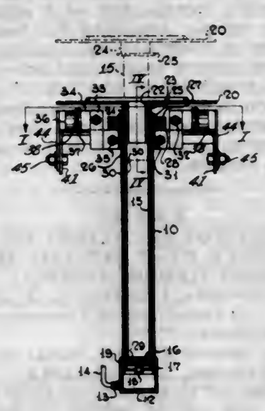
In a glass cleaner, the combination of a set of three spaced parallel shafts disposed in a common plane, a cylindrical member of resilient material mounted on one of the outer shafts in the set, a fabric cover provided on said member, and radially projecting bristles provided on the remaining two shafts in the set and constituting a pair of cylindrical brushes, the bristles of the brush on the center shaft engaging the remaining brush on one side and said cover on the other.

2,561,241
ELECTRIC DRY SHAVER
Jan Streng, Redding, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application April 28, 1948, Serial No. 23,802
7 Claims. (Cl. 30—41)



1. In a dry shaver of the class described the combination of, a pair of separable casing sections; means to removably hold said sections in telescopic relation relative to one another; and at least one open ended cutter head mounted upon one of said sections, characterized by the fact, that an uninterrupted hair receiving chamber is defined between said sections when in assembled relation to receive and store hair cut by said cutter head and discharged through the open ends thereof.

2,561,242
PORTABLE FREIGHT ELEVATOR
Samuel G. Stokes, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware
Application July 26, 1946, Serial No. 686,516
5 Claims. (Cl. 254—93)



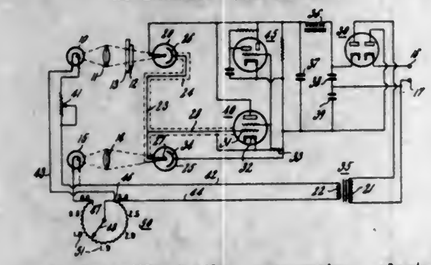
1. A portable lift comprising a bridge frame member including side rail and side rail end connecting elements in said member, a lift support mounted transversely of said member engaging said side rail elements intermediate said side rail end connecting elements for limited rotation on its axis of support, a lift assembly rigidly secured in said support, a major portion dependent therefrom below said bridge frame member, and limit means carried by each of said support and the frame member side rail elements, said limit means cooperatively related to limit rotation of the support and lift assembly with respect to the frame member, and rigidly to fix their relative angular relationship as required.

2,561,243

COMPARISON TYPE DENSITOMETER AND ELECTRONIC MEASURING CIRCUIT THEREFOR

Monroe H. Sweet, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application April 16, 1946, Serial No. 662,529
10 Claims. (Cl. 88—14)



1. A logarithmically responsive electronic measuring circuit comprising, in combination, electrically energized light flux source means having a light flux output logarithmically related to the electrical energy input; light flux responsive means arranged to receive light flux from said source means through an interposed sample having a logarithmically varying characteristic and also directly from said source means; electrical means, including indicator means effective to indicate, on a uniformly graduated scale, the value of such characteristic, in circuit relation with said source means and a source of electrical energy, and operative to vary the energizing of said source means to balance the light incident directly upon said light flux responsive means from said source means with that incident upon said responsive means from said source means through the sample; and light flux balance indicating means in electric circuit relation with said light flux responsive means and operatively responsive to a balance of the light flux incident directly upon said light flux responsive means from said source means with that incident upon said responsive means from said source means through the sample.

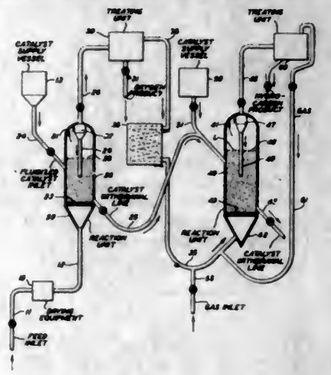
2,561,244

HYDROGENATION OF OXIDES OF CARBON TO PRODUCE HIGH BOILING ALCOHOLS AND LIQUID HYDROCARBONS

Sumner B. Sweetser, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application October 25, 1947, Serial No. 782,131
2 Claims. (Cl. 260—449.6)

1. A process for producing normally liquid hydrocarbons and higher boiling alcohols which consists essentially in reacting a dried mixture of hydrogen and carbon monoxide in a reaction zone in the presence of a fluidized mass of reduced powdered iron catalyst containing a promotional amount of an activating substance, which catalyst has been formed by reducing iron oxide with hydrogen of low water content for an extended period of time and which catalyst has been excluded from contact with oxygen, maintaining a temperature of from about 375°–425° F. and a pressure of from about 15–30 atmospheres in said reaction zone and forcing the reactants through the fluidized catalyst at a rate of from about 1,000–5,000 volumes of reactants per volume of catalyst per hour, limiting the conversion of carbon monoxide per pass through the reaction zone at from about above 10% but below 50% by observing the foregoing conditions whereby substantial quantities of C_{10}–C_{17} alcohols are formed, withdrawing a crude product in vapor form from the reaction zone, separating C_{10}–C_{17} alcohols from said crude product, passing the remainder of the crude product containing CO_2, H_2O, CO and H_2 to a second reaction zone where they are contacted with a second powdered iron catalyst in a form



of a fluidized mass, maintaining a temperature of from about 550°–700° F. and a pressure between about 15 and 30 atmospheres in said reaction zone and feeding the vapors to said second reaction zone at a space velocity of from about 500–3,000 volumes of vapors per volume of catalyst per hour, and recovering from said second reaction zone a product containing substantial amounts of normally liquid hydrocarbons.

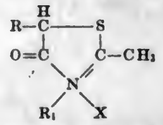
2,561,245

2-METHYL-4-KETO-3-SUBSTITUTED THIAZOLINIUM DYE INTERMEDIATES

Thomas R. Thompson and Stanley P. Popeck, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 30, 1949, Serial No. 136,150
10 Claims. (Cl. 260—303.1)

1. A 4-keto-3-substituted thiazolinium salt characterized by the following general formula:



wherein R represents a member selected from the class consisting of hydrogen and methyl group, R_1 represents a member selected from the class consisting of lower alkyl, lower cycloalkyl, aryl of the benzene and naphthalene series, aralkyl of the benzene series, and 5-membered heterocyclic radical containing a single hetero atom in the ring and having a nuclear carbon atom joined to the nitrogen atom of the thiazolinium nucleus, and X represents a halogen.

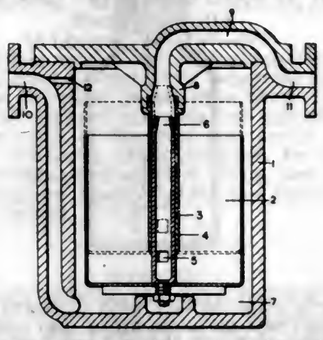
2,561,246

STEAM TRAP

John Thomson, Edinburgh, Scotland

Application October 6, 1947, Serial No. 778,226
In Great Britain June 17, 1947
2 Claims. (Cl. 137—103)

1. A steam trap comprising a chamber having an inlet passage discharging into the lower portion of the chamber, a discharge passage leading out from the upper portion of said chamber, an upright bucket float movable in said chamber, a ported tube centrally disposed within and fixed to said float, an outer tube fixed at its upper end to and communicating with said discharge passage, said ported tube being slidable easily and



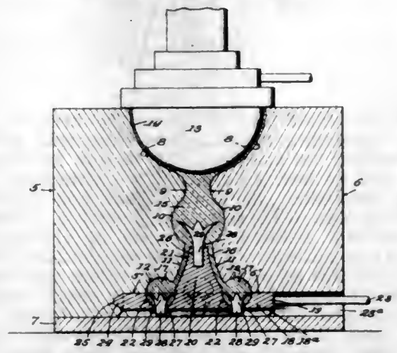
without perceptible slackness in said outer tube and having a port covered and uncovered by the lower end of said outer tube by rising and falling movement of the float, the upper end of the ported tube being open, unimpeded and geometrically formed to an upwardly tapered nozzle formation.

2,561,247

METHOD AND APPARATUS FOR PRODUCING GLASS ARTICLES

Albert J. Throm, Jeannette, Pa.

Application January 18, 1950, Serial No. 139,161
4 Claims. (Cl. 49—73)



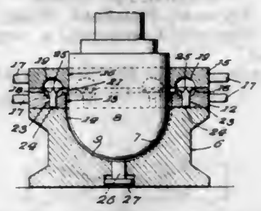
1. A method of embedding an attractive lustrous hard solid ornament having a reduced mounting stem, in a stem or foot of a moulded plastic tableware article having at least some degree of transparency to render the ornament visible from the exterior of the article, with the aid of a mould having separable upper sections and a removable lower section having cooperable registering moulding cavities for jointly receiving molten plastic for forming the article therein and the lower section only having a socket therein reduced relative to and leading centrally from said cavities, said method comprising the steps of engaging the mounting stem of the ornament snugly in the socket to support the ornament in position with its enlarged ornamental portion extending into and spaced from the wall of the adjacent cavity, relatively assembling the sections, and flowing molten plastic into the cavities around the ornament therein to set, relatively disassembling the mould sections to remove the moulded article with the ornament embedded therein and severing the mounting stem at the surface of the article.

2,561,248

APPARATUS FOR PRODUCING GLASS ARTICLES

Albert J. Throm, Jeannette, Pa.

Application January 18, 1950, Serial No. 139,162
2 Claims. (Cl. 49—73)



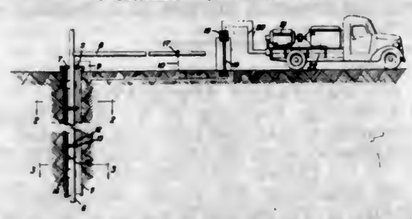
1. An article mould comprising mould sections cooperable in providing a moulding cavity in which to mould a plastic, glass or like cup-like body and a continuous surrounding outstanding rim flange for the body, said sections including a recessed body section, a plunger in said recess spaced from the wall thereof to produce a surrounding space for forming the wall of the cup-like body and two superposed separable ring sections superposed on the body section around the recess therein with the lower ring section resting on the body section and having its inner wall forming a continuation of the wall of the body recess and the upper ring section extending in from said walls to fit the plunger and close the top of the space between the recess wall and the plunger, there being a surrounding outwardly extending continuous circumferential channel between the inner portion of the ring sections communicating with the top of the moulding cavity, said ring sections being formed with registering spaced coacting enlarged recesses around and communicating with said channel, one only of said ring sections having means for mounting ornaments in such positions that they will project inwardly from the surface of its enlarged recess for reception in enlargements formed in the coacting recesses of said ring sections on the surrounding edge of a rim flange formed in the circumferential channel on the rim of the cup-like body formed in the recessed body section between its recess wall and the plunger.

2,561,249

HEATER FOR OIL WELL TUBING

Darrell E. Tomlinson, Crane, Tex., assignor of ninety per cent to Edward R. Tomlinson, Crane, Tex.

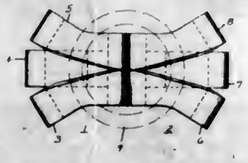
Application February 7, 1949, Serial No. 74,904
2 Claims. (Cl. 219—39)



1. An oil well heater comprising the combination of a well casing and tubing positioned centrally therein, said tubing having a flow pipe con-

nected to its upper end, and a pair of circuit wires connected respectively to the tubing and to the flow pipe, one of said wires being connected to the tubing at a point below the surface of the ground and the other of said wires being connected to the flow pipe at a point outwardly from the tubing to connect part of the tubing and part of the flow pipe in a circuit with the wires.

2,561,250
MAGNETIC CORE
Edward D. Treanor, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 23, 1949, Serial No. 117,308
3 Claims. (Cl. 175—356)



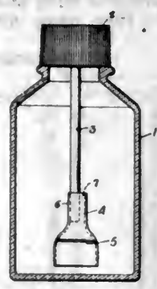
1. A magnetic core comprising, in combination, six generally rectangular loops of magnetic material arranged in two back to back related groups of three each, each loop having two sides and two ends, one loop in each group being symmetrically located generally inside the other two which are side by side so as to form a generally cruciform cross section centrally located winding leg which is made up of one side each of all six loops, the two outer loops in each group having their ends divergingly curved so that the other sides of all six loops lie generally on the same circumscribing circle.

2,561,251
TRIALKOXY PARAFFINS AS FROTH FLOTATION FROTHING AGENTS
Johannes Hermanus Potgieter van Aardt, Germiston, Transvaal, Union of South Africa, assignor to Roger Frederick Powell, Barberton, Transvaal Province, Union of South Africa, and National Chemical Products Limited, Germiston, Transvaal Province, Union of South Africa
No Drawing. Application August 5, 1947, Serial No. 766,459. In Southern Rhodesia January 26, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 26, 1965
10 Claims. (Cl. 209—166)

1. A method of effecting the concentration of minerals by flotation which comprises the steps of adding to mineral pulp a small quantity of a collector agent and a small quantity of a frother which latter consists of at least one 1,1,N-trialkoxy paraffin "alkoxy" being limited to methoxy, ethoxy, propoxy and isopropoxy; and of subjecting the resulting mixture to a flotation operation.

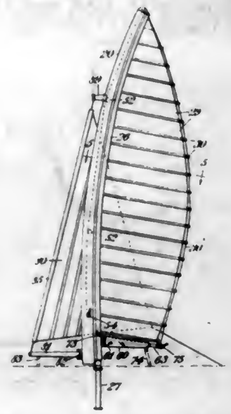
2,561,252
CAPILLARY APPLICATOR
Olaf I. Waring, Flushing, N. Y.; Anna Waring executrix of said Olaf I. Waring, deceased
Application October 22, 1946, Serial No. 704,804
5 Claims. (Cl. 128—267)

1. An applicator for liquid, said applicator comprising a first portion intended to be grasped by hand and a second portion intended to be brought in contact with the liquid for picking up a relatively large amount thereof by capillary action, the latter portion including a transversely broadened capillary channel terminating in an opening from which the liquid is to be withdrawn, said opening and channel having a slot-like



transverse cross section with a length at least four times as large as its width, and a vent communicating with the channel and located to insure the full capillary action of the channel upon contact of said second portion with the liquid.

2,561,253
SAILING CRAFT
Wells Wintemute Wells-Coates, London, England
Application December 4, 1946, Serial No. 714,055
In Great Britain May 17, 1946
10 Claims. (Cl. 114—102)

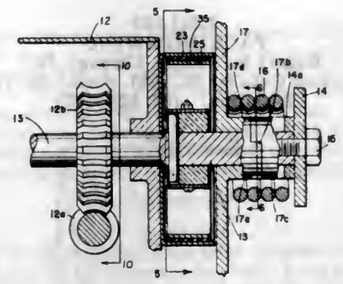


8. A fore-and-aft sail rig for a marine vessel comprising in combination, a mast, a flexible main sail capable of being arched as a whole over substantially its full area, a telescopic boom for the main sail, a plurality of resilient battens fixed at different heights to the sail and extending from the leech to the luff thereof, each said batten being capable of flexure to bowed formation laterally of the sail over a substantial portion of its length, a leech line for controlling and maintaining arching of the sail, and guide means at the free ends of the battens adjacent the leech for receiving the leech line, said leech line and its guides being disposed in a path which is bowed towards the mast, whereby hauling on the leech line tends to straighten the leech and thereby exert a thrust along the battens for flexing them to produce arching of the sail.

2,561,254
UNSATURATED ETHER ALDEHYDES AND ACETALS THEREOF
Richard R. Whetstone, Curtis W. Smith, and Douglas G. Norton, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 23, 1948, Serial No. 16,616
16 Claims. (Cl. 260—602)

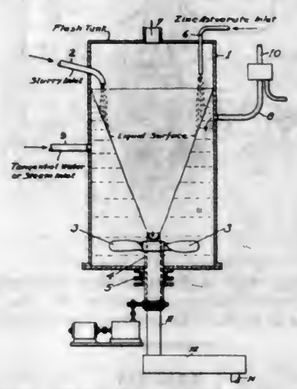
16. A compound of the class consisting of the ethers of the beta-oxy lower saturated aliphatic aldehydes, the ether oxygen atom being the beta-oxy oxygen atom of said beta-oxy aldehyde, the hydrogen atom of the hydroxyl group of said beta-oxy aldehyde being replaced by a beta, gamma-olefinic hydrocarbon group, and acetals of monohydric alcohols with the thus-defined aldehyde ethers.

2,561,255
AUTOMATIC FEEDING DEVICE
Zebulon L. White, Parkville, and Werner Buchal, Kingsville, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application July 21, 1945, Serial No. 606,300
3 Claims. (Cl. 89—33)



1. An ammunition feeder and track for force feeding ammunition toward an automatic gun, comprising, spaced side members for positioning the ammunition, a housing carried by the side members and spaced from the positioned ammunition, a drive shaft mounted in said housing transversely to the side members, irreversible power transmission means for rotating said shaft comprising motor means carried by said housing, a worm driven by said motor means, and a worm gear meshing with said worm, an overrunning clutch interposed between said worm gear and said drive shaft, at least one sprocket mounted on said shaft and proportioned to engage said ammunition, said sprocket being limited in angular movement relative to the shaft by spaced abutments carried by said sprocket and shaft, a spring connecting said sprocket and shaft constructed and arranged as to urge said sprocket forwardly a few degrees only to effect displacement between said sprocket and said shaft as limited by said abutments, a rotary switch mechanism mounted adjacent said sprocket having a contact member carried by said shaft and radially placed relative to said shaft and adapted for movement away from an insulating member mounted on said sprocket, upon initial movement of ammunition in the track toward said gun, to energize said motor means upon displacement between the sprocket and shaft to actuate the sprockets for movement of the ammunition in said given direction upon initial withdrawal of ammunition from the track by the gun.

2,561,256
METHOD OF DRYING SYNTHETIC RUBBER POLYMERS
Howard L. Wilson, Elizabeth, Robert F. Leary, Cranford, and Joseph F. Nelson, Rahway, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application May 22, 1948, Serial No. 28,634
10 Claims. (Cl. 260—85.3)

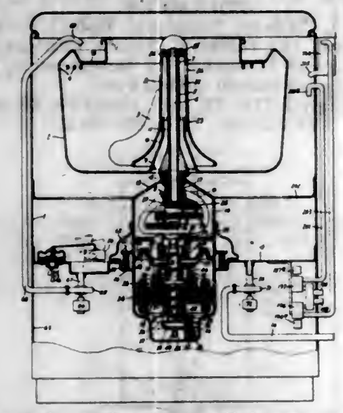


1. In a polymerization process for the separation of a solid polymer from a slurry of polymer in unpolymerized material, the improvement which comprises discharging said slurry onto a vortex of water heated to a temperature between 100° F. and 185° F., the said vortex having a non-turbulent inner surface containing a water insoluble soap of an organic acid having from 9 to 30 inclusive carbon atoms per molecule and a metal selected from groups 2 and 3 of the periodic table having a molecular weight within the range between 20 and 125, whereby the unpolymerized material is volatilized from the mixture and the soap is adsorbed onto the polymer to yield a nearly dry water repellent mass of polymer particles floating upon the surface of the water vortex, and separating the polymer particles from the vortex.

2,561,257
CONTROL FOR AUTOMATIC WASHING MACHINES
Thomas T. Woodson, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Original application August 25, 1944, Serial No. 551,096. Divided and this application January 8, 1946, Serial No. 639,816
4 Claims. (Cl. 68—12)

1. In a washing machine, a spinner basket for receiving liquid and clothes to be washed and centrifugally dried, washing means in the basket, a tub for receiving in its lower part liquid from the spinner basket, said basket having an overflow to the tub defining the basket water level for washing, mechanism for actuating the washing means and for spinning the basket, an electric motor for driving said mechanism, means for shifting the mechanism between washing and spinning, a two-position switch controlling said shifting means having one position for washing and the other for centrifugal drying, means for supplying water to the tub, means for pumping water from the tub to the basket for washing, the capacity of said pumping means being greater than the rate of water supply to the tub, a float switch responsive to a predetermined accumulation of water in the tub for closing a circuit to

the motor through the washing position of the two-position switch and for interrupting the



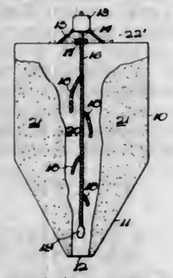
water supply, and a float switch responsive to a greater accumulation of water in the tub for breaking said circuit to prevent washing.

2,561,258

FLEXIBLE ROTARY AGITATOR FOR HOPPERS WITH VARIABLE ECCENTRIC MOUNTINGS AND SPACED WEIGHTS

Edgar F. Wolf and Harry L. von Hohenleiten, Baltimore, Md., assignors to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland

Application March 22, 1946, Serial No. 656,491
9 Claims. (Cl. 222—406)



1. In a bunker emptying means, in combination with a bunker having an outlet at the lower portion thereof, a motor mounted adjacent the top of the bunker and having a vertical shaft driven thereby and terminating adjacent the top of the bunker, a freely hanging flexible element extending throughout its entire length downwardly below said shaft from near the top of the bunker to near the outlet thereof approximately at the vertical axis of the bunker, at least one weight disposed intermediate the ends of said flexible element, and connecting means between said shaft and the upper end of said element for rotating said element around a vertical axis to flex said element and generate a geometrical surface of revolution as it rotates.

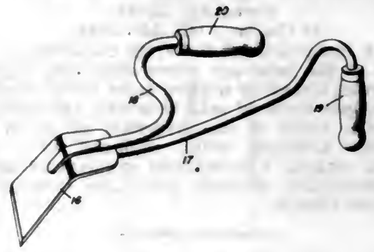
2,561,259

SCRAPER

Benjamin B. Yanzito, Racine, Wis.

Application August 25, 1948, Serial No. 45,988
1 Claim. (Cl. 30—171)

A scraper comprising an elongated blade, having a substantially horizontal rear portion and a downwardly sloping front portion formed with a beveled, scraping edge, upper and lower resilient handles mounted on opposite faces of the other end portion of the blade, the upper handle including an upwardly extending, substantially S-shaped intermediate portion terminating in oppositely extending front and rear end portions,



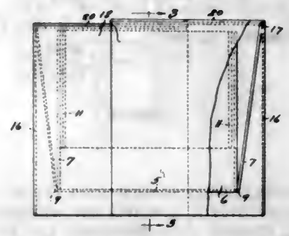
said front end portion being fixed on the blade, a hand grip on said rear end portion, said lower handle extending rearwardly beyond the upper handle and terminating in an upwardly and then downwardly extending free end portion, and a hand grip mounted on the downwardly extending free end portion of said lower handle.

2,561,260

PACKING SWING

Daniel M. Yaupp, Chicago, Ill.

Application October 28, 1947, Serial No. 782,558
3 Claims. (Cl. 229—42)



1. Means for packing articles protectively, formed from a single blank of fibrous material creased longitudinally and transversely of said blank with said creases running at right angles to each other to define rectangular panels and slotted along certain of said creases to provide slots of J-shaped formation following said last mentioned creases to provide a seat, side and end wings integral therewith, side and end legs integral with the end wings, and interlocking top pieces integral with the side legs.

2,561,261

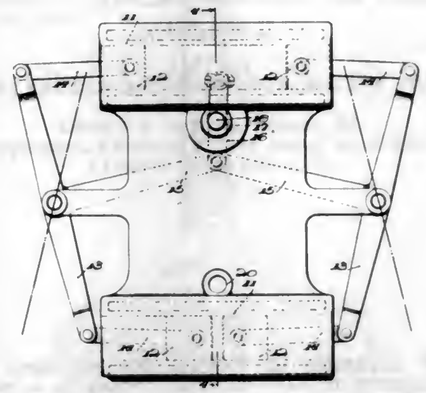
COUNTERBALANCED AND COUNTERACTION INTERNAL-COMBUSTION ENGINE

Ernest Zecher, Middletown, Ohio

Application August 31, 1949, Serial No. 113,463
14 Claims. (Cl. 123—51)

1. In a four cycle internal combustion engine the combination comprising a frame, a multiple of four cylinders open at their ends and rigid with the frame, an equal multiple of two of said cylinders being arranged with their axes parallel to and coplanar with one another and constituting a row parallel to a like second row, the corresponding ends of the cylinders of one row lying in a common plane and in the plane of the ends of the second row of cylinders, a pair of pistons

slidable in each cylinder, piston rods each pivoted to the outer end of a piston, a pair of rockers fulcrumed on the frame and each having three arms rigid with one another and including two right angles and having one arm pivoted to the piston rod of a piston of a row and another arm to a piston of the other row, a plurality of con-



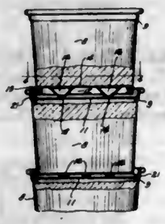
necting rods each pivoted at one end to the third rocker arm, a shaft journaled in the frame between one row of cylinders and the plane equidistant from both rows of cylinders and having cranks each pivoted to the other ends of a pair of connecting rods each connected by its rocker to pistons of different rods and operable in corresponding portions of cylinders of different rows.

2,561,262

CUP FOR REFRIGERATED COMMODITIES

Adam Ziska, Wauwatosa, Wis., assignor to Samuel M. Kaufman, Milwaukee, Wis.

Application May 31, 1946, Serial No. 673,697
4 Claims. (Cl. 229—5.5)



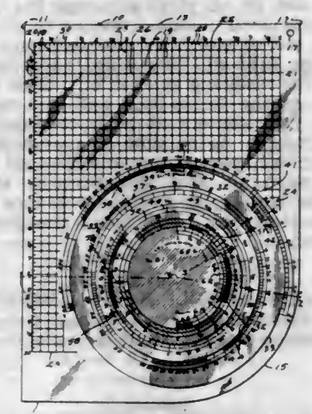
2. A cup for a refrigerated commodity comprising a downwardly tapered side wall of fibrous material which is circular in cross-section and which has a top rim, a bottom disc of fibrous material for closing the bottom of said side wall, said side wall having a bottom rim portion projecting below said bottom disc and of a size to fit loosely within the top rim of a like cup, a removable cover of fibrous material, and means for supporting said cover in depressed position within said top rim, said bottom disc having a projection which projects downwardly a greater distance than the bottom rim to support the latter in a position spaced above the cover of a like cup positioned therebelow when a plurality of cups is stacked.

2,561,263

PRINTER'S CALCULATOR AND CIRCULAR SLIDE RULE

Foster A. Babcock, Philadelphia, Pa.

Application May 27, 1948, Serial No. 29,491
3 Claims. (Cl. 235—84)



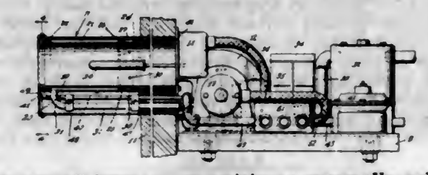
1. A type calculator of the kind described comprising a transparent scaled sheet, a circular logarithm scale on said sheet having numerical indicia indicative of the number of type characters per unit area, a disc rotatable in said scale having indices for cooperation with said first scale for determining proportional members of type characters in proportional areas, an inner logarithm scale on said disc having indicia indicative of the average length of type in a given area, a second rotatable disc concentric to said first disc and having a logarithm scale for cooperation with said second logarithm scale, a third concentric disc rotatable on said sheet having a logarithm scale having indicia indicative of the space required for said type and cooperating with said latter logarithm scale, and a fourth disc fixed on said sheet having a logarithm scale cooperating with said last mentioned logarithm scale, for calculating the number of selected type characters for a selected area proportioned to the number of type characters in a given area.

2,561,264

GASIFYING OIL BURNER FOR HEATING PURPOSES

George M. Burgess, La Fayette, Ind.

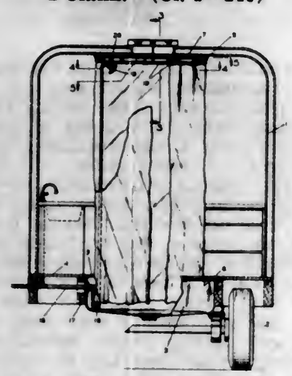
Application April 30, 1947, Serial No. 744,972
10 Claims. (Cl. 158—53)



1. An oil-burner, comprising a generally cylindrical firing tube, means forming an annular gasification chamber about the forward flame-discharge end of said cylindrical firing tube and contiguous therewith, the lower portion of said chamber being of oil-retaining form, means forming an annular manifold about the cylindrical firing tube immediately behind the annular gasification chamber and communicating therewith at the top thereof, said manifold being defined in part by the wall of said firing tube, said manifold hav-

ing a circumferential series of gas-emission ports through the firing-tube wall thereof, said ports being directed at an angle of not to exceed 90° to the cylindrical wall extending forwardly therefrom and being spaced about the periphery of said firing tube and said manifold being otherwise closed, and an oil inlet adjacent the bottom of said gasification chamber, means to admit air at the rear end of said firing tube, whereby oil fed to said firing tube will be gasified adjacent said inlet and the resulting gasified oil will be heated by traverse of the firing-tube wall and will be discharged immediately at high temperature into said cylindrical firing tube in a plurality of circumferentially spaced streams directed into confluence with air flow therethrough toward its flame-discharge end, and the entrance of air to said manifold and gasification chamber will be prevented.

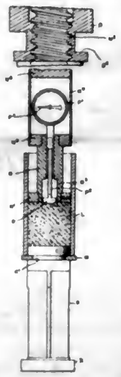
2,561,265
COLLAPSIBLE BATH CABINET
Charles E. Burns, Portland, Oreg.
Application October 20, 1948, Serial No. 55,635
1 Claim. (Cl. 4—146)



A collapsible shower assembly for use in a building structure including a ceiling and a floor, the ceiling and floor having aligned openings, a drain pan mounted in the floor opening beneath the level of the floor, water supply lines extending into said pan, a mixing valve mounted in said pan and connected to said water supply lines, a curtain support for freely fitting within said pan, hangers slidably mounted in the curtain support, a flexible curtain secured to the hangers, a spray nozzle adjustably mounted under the curtain support, a flexible hose connecting said nozzle with said valve, and being of a length to permit said curtain support to be raised to the ceiling, angle brackets fixed to the ceiling substantially above one side of said curtain support, latches fixed to the ceiling for releasably holding the opposite edge of said curtain support, a trap door removably covering the floor opening when said curtain support and curtain are nested in the pan, and a removable closure for the opening in the roof.

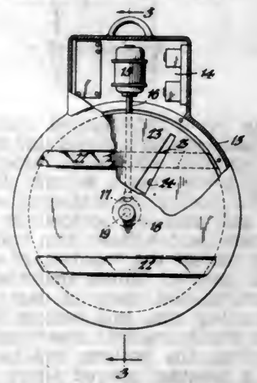
2,561,266
METHOD AND APPARATUS FOR FORMING TEST SPECIMENS OF MOLDING SAND AND THE LIKE
Harry W. Dietert, Detroit, Mich., assignor to Harry W. Dietert Company, Detroit, Mich., a corporation of Michigan
Application May 1, 1950, Serial No. 159,344
9 Claims. (Cl. 18—16)

1. The method of forming from loose material compressed specimens of predetermined hardness, comprising applying to the material a progressively increasing compressive force and simultaneously measuring the reaction of said material independent of said compressive force which is indicative of the hardness thereof, and continuing the progressive increase of said compressive force until the desired hardness is indicated.



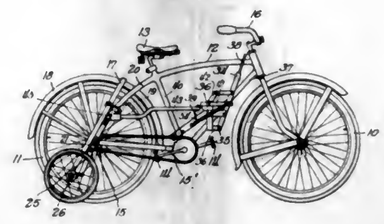
9. Apparatus for forming test specimens of compacted molding material, comprising a base, a column and an adjacent standard rising from said base, a mold telescopically engaging said column, means for temporarily supporting said mold on said column to extend above the upper end of the latter to receive and hold the loose molding material, a plunger engaging said mold above the material therein and having an upwardly extending threaded portion, a nut engaging said threaded portion, a bifurcated lever fulcrumed on said standard and embracing said nut, being adapted to bear downward thereupon at diametrically opposite points adjacent to said fulcrum, a weight adjustable on said lever, means for rotating said nut to move downward said plunger with a force limited by the resistance to upward movement of said weighted lever, and a gauge mounted on said plunger in operative contact with the material being compacted within said mold for indicating the hardness thereof during the compacting operation.

2,561,267
DIRECTIONAL SIGNAL
John T. Dooley, Buffalo, N. Y.
Application April 25, 1947, Serial No. 743,911
3 Claims. (Cl. 177—327)



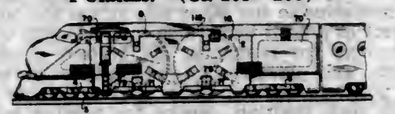
1. A signal of the character described, comprising a casing having a window of substantially narrow dimensions extending from one side of the casing to the other, a lamp in said casing and in alining registration with the window from one end thereof to the other, and a revolving disk-like shutter in said casing between the window and said lamp and having a radially-elongated aperture therein registrable with said window to produce a beam of light traveling in a straight horizontal plane from one end of the window to the other.

2,561,268
RETRACTABLE WHEEL ATTACHMENT FOR BICYCLES
Edward J. Dyksma, Harvey, Ill.
Application February 1, 1946, Serial No. 644,892
4 Claims. (Cl. 280—293)



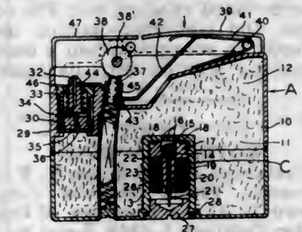
1. In a retractable wheel attachment for a bicycle having a frame provided with a seat, front and rear wheels and a handle-bar, in combination, a mounting bracket adapted for attachment to the bicycle and straddling the rear wheel, a pair of retractable wheel carrying frames, one pivoted at its inner end to each side of said bracket, operating means for swinging said frames outwardly in opposite directions to laterally extended positions and inwardly in opposite directions to inwardly retracted positions, axles pivoted on the outer ends of said wheel frames, wheels journaled for rotation on said axles, arms extending at substantially right angles from said axles in position adjacent said wheels, links disposed in generally parallel spaced relation to the planes of said wheel frames when said frames are in extended positions, the outer ends of said links being pivoted to the arms extending from said axles and the inner ends of said links being pivoted to said mounting bracket, with the pivots at the outer and inner ends of said links spaced generally forwardly of the wheel frames when said frames are extended, whereby upon swinging movement of the wheel frames to retracted positions said links operate to position said retractable wheels in oblique positions overlapping the rear wheel of the bicycle, said operating means comprising a lever pivoted to the bicycle frame and accessible to a rider from position on the bicycle seat, a forked member connected to the retractable wheel frames, and pivoted link means connected between said forked member and said lever, whereby upon swinging movement of said lever said retractable wheel frames are swung to retracted and to laterally extended positions, the wheels on the wheel frames being on the ground simultaneously with the bicycle wheels when said wheel frames are in laterally extended positions, said operating means being disposed entirely outside the space between the wheel frames and entirely outside the space between said links whereby to permit disposition of the rear wheel of the bicycle in said space.

2,561,269
LOCOMOTIVE
Frank Naylor Emory, Pittsburgh, Pa.
Application August 1, 1947, Serial No. 765,347
4 Claims. (Cl. 105—100)



1. A rail traversing machine comprising a rigid frame having a plurality of independently supported flangeless, centerless rail engaging rims rotatably mounted on each side of the said frame, the inner surface of the said rims being provided with a smooth and toothed area, rotatable supports for said frame adapted to engage the smooth area of the inner circumference of the rim adjacent the rail engaging regions thereof, an internal driving gear for each of the said rims adapted to engage the toothed area of the rim and means adjacent each end of the said frame for positioning the said flangeless rims over the rails.

2,561,270
LIQUEFIED PETROLEUM GAS LIGHTER
Paul W. Felt, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application May 13, 1950, Serial No. 161,874
7 Claims. (Cl. 67—7.1)

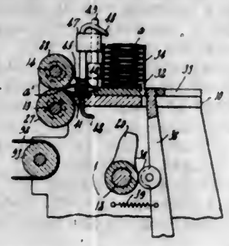


7. In a cigarette lighter, a casing, a throw-away fuel supply container having a supply of compressed liquid fuel and provided with a connecting portion, said casing comprising a hollow fuel chamber adapted to receive said compressed liquid fuel, an inlet socket connected to a wall of said casing, means in said socket to receive the connecting portion of the container and temporarily hold said throw-away fuel supply container in place, an inlet valve assembly in said socket including a compressible member, a pressure relief means, to puncture said fuel container, and a check valve for sealing liquefied fuel in said chamber, whereby the liquid fuel in the container is automatically transferred to said fuel chamber under self contained pressure of said compressed fuel in said container, means associated with said chamber to release said liquid fuel in the form of gas therefrom, and pyrophoric means for lighting said gas when it is released from said fuel chamber.

2,561,271
MACHINE FOR PACKAGING PIPE CLEANERS AND THE LIKE
Charles T. Gould, Walpole, Mass., assignor to Philip S. Cushing, Norwood, Mass., and Jerome Chaims, New York, N. Y., doing business as American Pipe Cleaner Co., Norwood, Mass., a co-partnership
Application October 22, 1946, Serial No. 704,901
6 Claims. (Cl. 226—2)

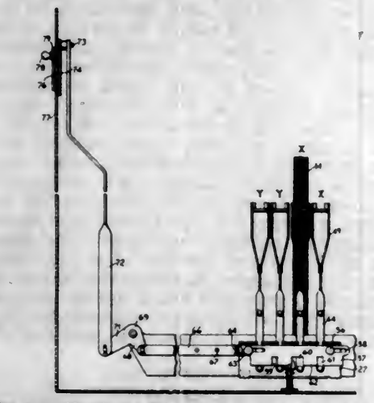
1. A machine for packing elongated articles

comprising a supporting structure, a magazine thereon adapted to hold a stack of open-ended flat containers having flexible sides and resting on the supporting structure, a pusher movable on the supporting structure from one side of the magazine to the other side across the bottom thereof in a path transverse to the length of the containers for removing the bottom container therein and placing such container in a receiving position, suction cups disposed above and below such position, means for moving one of



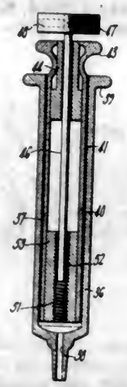
such cups toward and away from the other to engage the sides of the container and draw them apart so as to open the mouth thereof, a feeder mounted on the supporting structure to reciprocate in a path alined with said receiving position and the length dimension of the container toward and away from the mouth of a container in such position, and means for reciprocating said feeder in timed relation with the actions of said pusher and container-opening means so that the feeder is advanced when a container is in the receiving position with its mouth open.

2,561,272
VOTING MACHINE
Alvin N. Gustavson, Bemus Point, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware
Application February 1, 1949, Serial No. 73,924
3 Claims. (Cl. 235—54)



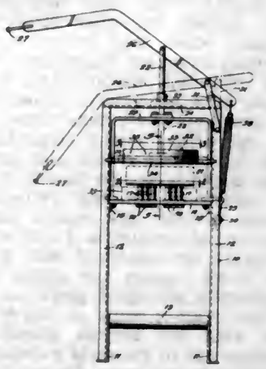
1. In a voting machine having horizontal rows of pointers individually movable into a voted position, interlocking straps connected with said pointers, several straps grouping corresponding interlocking straps of each of said horizontal rows into vertical groups; a device for controlling movement of said vertical groups of straps comprising a fixed plate having several spaced upstanding slots, each of said grouping straps having an end projecting into one of said slots, a projection on each of said strap ends, a bar mounted for slidable movement on said plate, said bar having several downwardly opening recesses so spaced as to permit only selective registering of the slots with said projections in any of several slidable positions of said bar, a control member on said machine and means operatively connecting said member with said bar.

2,561,273
MICROCHEMIST'S SYRINGE
Clark H. Hamilton, Oakland, Calif.
Application December 21, 1949, Serial No. 134,240
5 Claims. (Cl. 73—425.6)



1. A microchemist's syringe comprising a body having a smooth circular-cylindrical bore merging with an outlet passage, a circular-cylindrical externally smooth sleeve slidably disposed within said bore, said sleeve having internal threads, a plunger having threads engaging said internal threads, a stem on said plunger having one end extending beyond said sleeve, and a thumb wheel on the said end of the plunger.

2,561,274
CUTTING APPARATUS
Bertie S. Harrington, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application November 28, 1947, Serial No. 788,547
5 Claims. (Cl. 31—25)



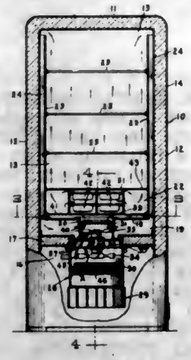
1. In slicing apparatus, a frame, a base plate supported in said frame, wells in said base plate, posts receivable in said wells, sector platforms carried by said posts and adapted to provide a composite platform for receiving the cake to be sliced, a cutter member guided in said frame and comprising a frame member adapted to receive said cake and transverse cutter wires fixed in said frame in spaced vertical relation and in alignment with the slots of said platform, and means for raising and lowering said cutter to points above and below said platform.

2,561,275
ASH COLLECTOR WITH SHREDDING MEANS
William E. Hentschel, Detroit, Mich.
Application April 26, 1948, Serial No. 23,310
10 Claims. (Cl. 241—60)



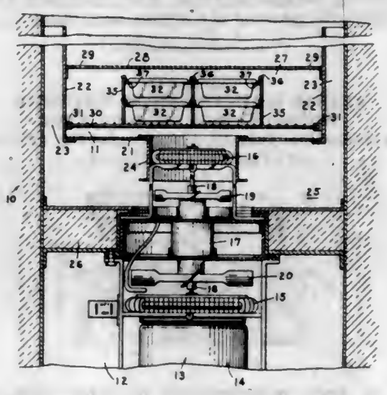
1. In an ash collector and disposal assembly of the class described, a casing embodying a hopper and a hooded entrance for said hopper, said hopper having a discharge neck, a hinged door closing the open side of said hood-like entrance portion, and a tray-like chute mounted on the inner side of said door and operable in said hooded portion, said chute having an inclined bottom, said inclined bottom having clearance notches, a rotatably mounted shaft on said chute, fingers on said shaft cooperable with said notches, and gearing for rotating the shaft comprising a pinion on said shaft and a fixed rack in said hopper in mesh with said pinion, whereby to provide the desired disintegrating action.

2,561,276
REFRIGERATOR CABINET CONSTRUCTION
Walter P. Hill, Detroit, Mich., assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich., a corporation of Michigan
Application August 2, 1948, Serial No. 42,045
7 Claims. (Cl. 62—117.3)



3. In a refrigerator, a cabinet having first and second compartments positioned one above the other, means separating the compartments and thermally insulating one compartment from the other, said means including a division wall of heat insulating material in the cabinet having a central section removable to provide an opening through said wall, means for circulating refrigerated air in the first compartment including a cooling element positioned in the first compartment adjacent the bottom of the latter and a fan also positioned in the first compartment for flowing air over the cooling element, a motor for driving the fan substantially enclosed by the removable central section of the division wall and secured to the latter, and refrigerant supplying apparatus located within the second compartment and connected to the cooling element.

2,561,277
ICE TRAY SUPPORTING ASSEMBLY FOR REFRIGERATORS
Walter P. Hill, Detroit, Mich., assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich., a corporation of Michigan
Application August 2, 1948, Serial No. 42,046
8 Claims. (Cl. 62—117.3)

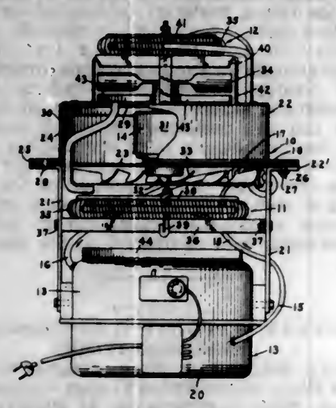


1. In a refrigerator, a cabinet comprising a cold storage compartment having a bottom wall provided with an opening, a partition in the cold storage compartment spaced above the bottom wall and cooperating with the latter to form a freezing chest, means for forcibly moving air upwardly through the opening in said bottom wall into the freezing chest and through an opening in said partition into the storage compartment, and refrigerating apparatus including a cooling element supported in the path of air flow and positioned to cool the air entering the freezing chest.

2,561,278
REMOVABLE REFRIGERATING APPARATUS
Walter P. Hill, Detroit, Mich., assignor to Calumet and Hecla Consolidated Copper Company, Calumet, Mich., a corporation of Michigan
Application August 2, 1948, Serial No. 42,047
6 Claims. (Cl. 62—140)

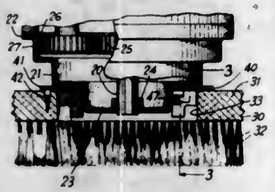
1. In refrigerating apparatus, a cooling unit having provision for circulating a refrigerant therethrough, refrigerant supplying means including a condenser and a compressor spaced from the cooling unit, a fan positioned adjacent the cooling unit for forcibly moving air over the latter, a second fan positioned adjacent the condenser for forcibly moving air over the condenser, driving means for the fans positioned be-

tween the cooling unit and refrigerant supplying means, an enclosure for the driving means and forming a partition separating the cooling unit



from the refrigerant supplying means, and means for securing the cooling unit, refrigerant supplying means and fan driving means to said partition to provide a unitary assembly.

2,561,279
FLOOR MAINTENANCE MACHINE
William E. Holt, Oakland, Calif.
Application July 27, 1945, Serial No. 607,297
6 Claims. (Cl. 15—49)



1. A floor maintenance machine comprising an electric motor, a horizontally arranged rotary surfacing element, and means forming a drive connection between said motor and said rotary surfacing element including a rotary member driven by said motor, a plurality of symmetrically arranged peripheral lugs projecting from said rotary member, a bracket mounted on said rotary surfacing element and having recesses therein adapted to receive said lugs, spring means on the underside of said bracket at positions angularly adjacent said recesses and arranged to exert a resilient downward pressure on said lugs when said lugs are relatively moved through the corresponding recesses and angularly to positions below corresponding spring means, and stop members on the underside of said bracket arranged to limit the relative angular movement of said lugs and bracket.

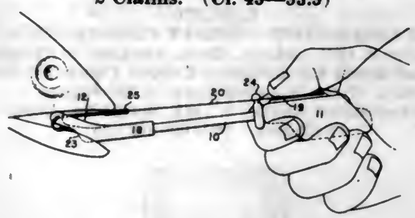
2,561,280
OSCILLATING PISTON METER
Harry E. Kampf, Manhasset, N. Y., assignor to Neptune Meter Company, a corporation of New Jersey
Application December 27, 1946, Serial No. 718,669
7 Claims. (Cl. 121—68)

1. In a fluid meter, the combination with a casing providing a chamber having a cylindrical wall and a wall transversely of said cylindrical wall, a cylindrical oscillating piston within said chamber, means for confining said piston for movement of the axis thereof about the axis of the cylindrical chamber while maintaining said axes parallel and the circumference of the piston in contact with said cylindrical wall of the casing, said casing having in said wall thereof transverse to the axis of the cylindrical chamber a fluid inlet opening and a fluid outlet opening spaced circumferentially about the axis of said cylindrical chamber, and a partition extending from said cylindrical wall of said chamber toward the axis thereof and abutting said transverse wall and cooperating with said confining means and said transverse wall to provide substantially



fluid tight joints therewith, of a blade supported for movement thereof substantially in the plane of said partition inwardly and outwardly toward and away from the axis of said cylindrical chamber, said blade cooperating with said partition and with a transverse wall of said casing to provide leakage-resisting contact therewith, a pivot member rigidly connected to said blade for engaging said piston adjacent the circumference thereof for pivotal movement of said piston with respect to said blade, and means rigidly connected to said blade adjacent the pivotal axis of said pivot member and engaging said partition for guiding said pivotal axis and said piston to move inwardly and outwardly along said partition as the axis of the cylinder of said piston is moved about the axis of said cylindrical chamber.

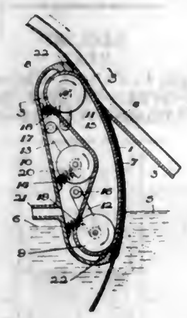
2,561,281
FISHHOOK DISGORGER
Charles A. Lawrence, Saugus, Mass.
Application February 9, 1948, Serial No. 7,112
2 Claims. (Cl. 43—53.5)



1. A fishhook disgorger comprising a handle; a straight shank rigidly connected at one end with said handle and having its opposite end provided with a relatively short approximately straight longitudinal extension that is obliquely disposed at an obtuse angle relatively to and beyond said shank, said extension being made at its free end with a hook-engaging notch and upon its top side with a longitudinal medial guiding groove to be occupied by the fishline while the instrument is in engagement with the latter, and said groove being provided immediately adjacent to said notch with a transverse cam surface by which knots and other enlargements existing in said line are deflected laterally away from said notch thereby to prevent interruption in the movement

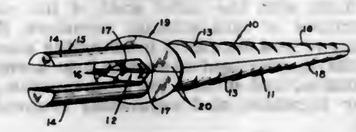
of the instrument relatively to said fishline through engagement of the notched end of said extension with said knot or other enlargement.

2,561,282
SHIELDING SHOE FOR FILTERS
Nils Gustav Leffler, Sundsvall, Sweden
Application August 9, 1946, Serial No. 689,314
In Sweden August 14, 1945
23 Claims. (Cl. 210—199)



12. A shielding shoe for filters of the type embodying a movable perforated filter member adapted to pick up on its one side solids from a suspension and to discharge suspension liquid at its other side after passage through the openings thereof under the influence of a differential pressure between said sides, said shoe comprising a rigid stationary shoe member, an endless flexible member of impervious material revolvingly movable relative to said stationary shoe member and having a portion spaced from said stationary shoe member and adapted to contact a portion of said movable filter member, sealing means between said stationary shoe member and the inside surface of said endless member at the ends of said stationary shoe member in the direction of movement of said endless member, means including said stationary shoe member and the portion of said endless member between said sealing means forming the enclosure of a substantially liquidtight chamber, and a conduit leading to said chamber.

2,561,283
FISH HOLDING IMPLEMENT
Arthur Y. Leslie, Detroit, Mich.
Application January 20, 1947, Serial No. 723,053
2 Claims. (Cl. 17—7)

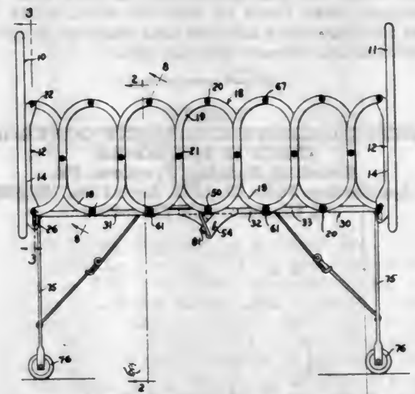


1. A device for rigidly holding fish while removing the scales comprising a pair of sections, means pivotally connecting the sections together intermediate the ends thereof, elongated portions at one side of the pivotal connection having outer surfaces converging toward the free ends of said portions and adapted to be inserted into the mouth of a fish with the elongated portions extending substantially the entire length of the latter, laterally spaced handle portions at the opposite side of the pivotal connection for expanding the converging portions, and a guard secured to the sections between the handle portions and converging portions.

2,561,284
PROCESS FOR OBTAINING A 5-PHENYL-5-LOWER ALKYL HYDANTOIN
Loren M. Long, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 23, 1947, Serial No. 770,323
8 Claims. (Cl. 260—309.5)

1. Process for obtaining a 5-phenyl-5-lower alkyl hydantoin which comprises reacting a dry α-amino-α-phenyl-α-lower alkyl acetic acid with dry fused urea at a temperature at which a mixture of dry urea and said dry acetic acid form a homogeneous liquid phase.

2,561,285
COLLAPSIBLE BASSINET
Charles S. McCarthy, Birmingham, Mich., assignor to American Forging and Socket Company, Pontiac, Mich., a corporation of Michigan
Application November 28, 1947, Serial No. 788,600
13 Claims. (Cl. 5—99)

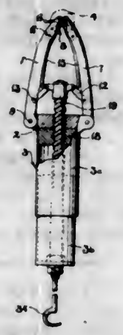


3. A folding bassinet comprising rigid head and footboards, a bottom formed of two halves hinged to the head and footboards respectively and hinged together midway between the head and footboards, collapsible sides of lazy tong construction, a bail-like handle pivotally secured to said bottom adjacent the mutual hinge of the two halves thereof, pin-receiving recesses in the legs of said handle, pins extending inwardly from the mid portions of said sides, and spring means biasing said handle in a direction to align said pins and recesses when said bassinet is extended, said pins entering said recesses when said handle is pressed down against the bassinet bottom.

2,561,286
DEVICE FOR APPLYING EMASCULATING RINGS
Alan Yalden Montgomery, Brighton, Victoria, Australia
Application November 29, 1948, Serial No. 62,546
In Australia November 11, 1947
14 Claims. (Cl. 128—303)

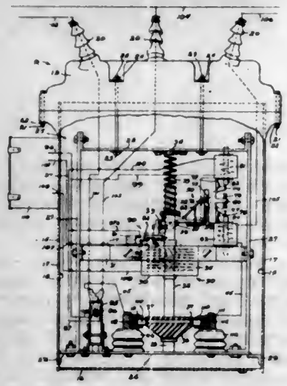
1. An improved device for expanding constricting rings comprising a supporting element fitted with a handle and carrying two pairs of

ring expanding arms which are pivotally mounted on said supporting element in oppositely spaced relationship, all of said arms being provided at or adjacent to their outer ends with laterally projecting and relatively movable ring seatings, a common arm actuating member and



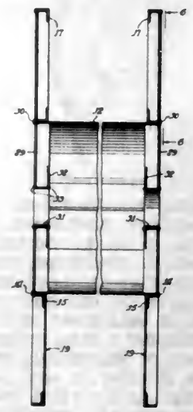
manually operable means which includes a spiral ridge for effecting relative movement between said common arm actuating member and said arms for simultaneously moving said ring seatings away from or towards each other and also for releasably holding said seatings in spaced relationship without manual effort.

2,561,287
INRUSH ELECTRIC CURRENT CONTROL CIRCUIT RECLOSER
Ernest O. Painter, Freedom, Pa.
Application June 19, 1947, Serial No. 755,559
12 Claims. (Cl. 175—294)



1. In a high-voltage inrush electric current control circuit recloser, a high-tension electric switch; a potential transformer in circuit therewith; a synchronous electric motor; a low-tension electric switch in circuit with said motor and transformer; a self-opening electric switch with one pole thereof electrically connected with said motor; solenoid-operated means for opening and closing said high-tension switch, the windings thereof being electrically connected with said motor and the other pole of said self-opening switch; and lockout means to render the recloser open under persistent short circuit conditions in sub-mains and feeders of the transmission circuit, including a normally-closed lockout switch in circuit with said motor and transformer, a reciprocating member provided with a plurality of spaced-apart integrating pins and a lockout switch-tripping means, and two actuator arms, one movable upon rotation of the rotor of said electric motor to close said self-opening switch, and the other movable upon rotation of said rotor to engage said pins, one after another, until said lockout switch-tripping means opens said lockout switch.

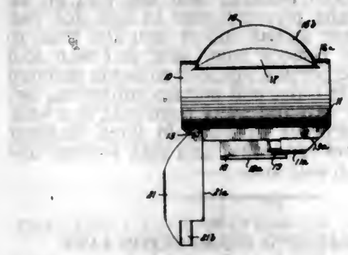
2,561,288
REEL
William C. Panzer, Chicago, Ill.
Application February 18, 1949, Serial No. 77,227
5 Claims. (Cl. 242—77)



1. In a reel embodying a drum, in combination, a first annular member at each end of said drum, a second annular member of larger diameter than said first angular member and spaced therefrom radially aligned with the first annular member, said annular members being each angular in cross-section and having concentric angular portions extending axially of the drum and having other angular portions extending radially thereof and directed toward each other and spaced inwardly of the drum from the outer ends of the said concentric portions, and web forming segmental elements each having a central portion substantially flush with the radially extending angular portions of said annular members and having outwardly offset flanges parallel with the central portion and substantially flush with the outer ends of the concentric portions of said annular members, flanges of adjacent said segments overlapping along radial lines to join said elements into a continuous annulus, and means for securing the drum, annular members and segmental elements together.

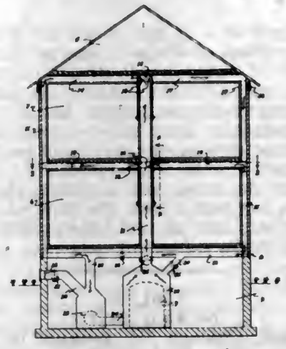
2,561,289
ATTACHMENT FOR FLY AND CASTING RODS
Surville J. Paris, Wausau, Wis.
Application November 20, 1947, Serial No. 787,068
3 Claims. (Cl. 30—296)

1. An attachment for a fishing rod comprising a split sleeve having confronting rod clamping flanges extending along one side thereof, removable bolt means extending through said flanges at each end thereof for drawing said flanges towards each other, a knife secured between said flanges, said knife being released upon loosening of said bolt means, and a cover member for said



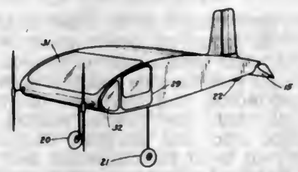
knife pivotally attached to said flanges at one end thereof by the bolt means at such end.

2,561,290
HEATING APPARATUS
Thomas J. Payant, Eastview, Ontario, Canada
Application May 6, 1947, Serial No. 746,196
4 Claims. (Cl. 237—48)



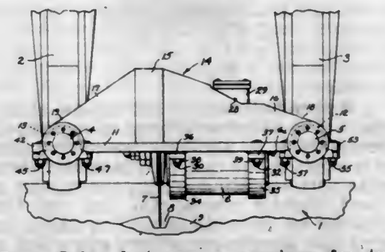
1. A hot air radiant heating apparatus comprising in combination with a building, a furnace, a hot air jacket surrounding the same, a stack rising centrally through said building from the top center of said jacket, oppositely extending longitudinal, horizontal distributing ducts above the ceiling of the building opening off said stack, horizontal transverse area passageways running from said ducts and extending over the ceiling, vertical area passageways continuing therefrom in the walls, a manifold at the base of said vertical area passageways and communication from said manifold to the base of said hot air jacket.

2,561,291
ROADABLE AIRCRAFT
Scott C. Rethorst, Washington, D. C.
Application June 26, 1947, Serial No. 757,121
7 Claims. (Cl. 244—50)



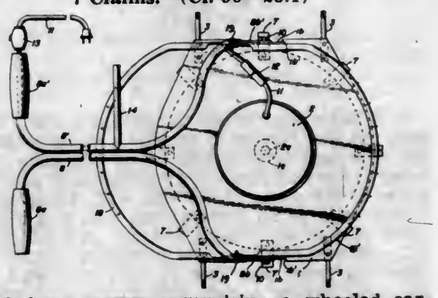
1. A roadable aircraft capable of flying in the air or traveling on the highway under its own power without structural modification; said aircraft having an engine and being provided with wheels that can be connected to said engine to be driven thereby, said aircraft being further provided with wheels that can be steered, and with tractor propeller means disconnectable from said engine for highway travel, and a lifting fuselage of airfoil shape, said fuselage being of relatively short span and low aspect ratio, whereby the aircraft is kept within the maximum legal width for highway travel while at the same time providing sufficient headroom within the fuselage to accommodate seated passengers, said tractor propeller means being so disposed and proportioned that substantially the entire air-foil-shaped fuselage is immersed in the high velocity slip stream thereof, the immersion of said fuselage in said slip stream acting to reduce the otherwise excessive induced drag at low speeds inherent in the low aspect ratio airfoil, and enabling the aircraft to fly at a low lift coefficient at low aircraft flight velocities.

2,561,292
CARRIAGE FOR FLYING HOT SAWS
William Rodder, Youngstown, Ohio, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application November 28, 1949, Serial No. 129,716
12 Claims. (Cl. 29—69)



1. In a flying hot saw, a carriage for transmitting orbital movement to the saw comprising a frame; a first sleeve-like member rigidly attached to the frame at one end thereof; a second sleeve-like member rigidly attached to the frame at the other end thereof; a strap depending from the frame; a motor carried by the strap, said motor having coupled thereto a circular saw extending transversely of the frame; and, overlying the frame and serving as a guard for the saw and as a housing for the motor, a casing extending from one to the other of said sleeve-like members.

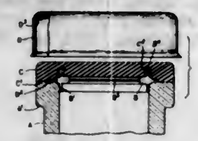
2,561,293
ELECTRICALLY OPERATED LAWN MOWER
Orrin E. Ross, Massapequa, N. Y.
Application November 10, 1949, Serial No. 126,560
7 Claims. (Cl. 56—25.4)



1. A lawn mower comprising a wheeled carriage, a cutter supported on said carriage and

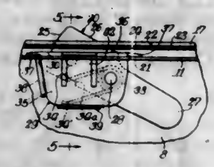
mounted for rotation beneath said carriage, a handle having a forked end pivotally connected to said carriage on opposite sides thereof and being swingable to the front and rear of said carriage, whereby said carriage may be pushed in either direction without turning the carriage around, and a pair of U-shaped guard members arranged one to the front and one to the rear of said handle and having their ends pivotally connected to the forked arms of said handle at a point removed from the pivotal axis of said handle, said guard members being arranged normally to rest upon said carriage, whereby when said handle is moved from one operating position to the other, both of said guard members are moved rearwardly with respect to the direction of movement of the mower.

2,561,294
CLOSURE FOR MULTIPLE DOSE VIALS
Edward E. Schuler, Grosse Pointe Park, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
Application March 24, 1948, Serial No. 16,638
3 Claims. (Cl. 215—40)



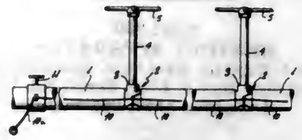
1. A closure for medicament holding vials comprising a plug member formed of molded plastic material which is non-reactive to the medicament content of the vial, said member having an annular portion fitting within the mouth of the vial and slightly overlapping the top thereof, also having an upwardly extending flange and an integral thin diaphragm portion extending across said annular portion, a separate gasket member of resilient yieldable material recessed to receive said upwardly extending flange and extending beyond the latter into direct sealing contact with the top of the vial, and a cap for retaining said members in position.

2,561,295
CATCH AND FRAME INSERT
Roy A. Stone, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application June 24, 1947, Serial No. 756,587
5 Claims. (Cl. 312—333)



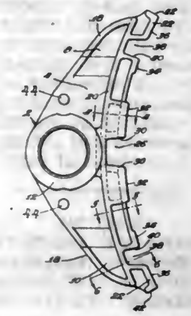
1. A latch mechanism comprising a sheet metal body cut and formed to provide a single relatively flat side wall terminating along one edge in an integral top wall extending substantially at a right angle to the plane of the side wall, along an adjacent edge in an integral end wall and along a third edge in an integral bottom wall, all of said top, end and bottom walls extending in the same direction from one side of said side wall, said top wall having a slot therethrough of greater length than breadth, the slot length being substantially parallel to said side wall, a latch member pivotally mounted intermediate of its ends on said side wall beneath said top wall on an axis substantially perpendicular to said side wall at a place closer to one end of said slot than to the other and remote from said end wall and having one end portion adapted to swing through said slot and its other end portion projecting beyond said side wall and away from said end wall, and means normally urging said latch member about said pivot mounting and said portion upwardly through said slot.

2,561,296
SELF-DRAINING IRRIGATION LINE
William H. Stout, Portland, Oreg.
Application March 14, 1950, Serial No. 149,579
6 Claims. (Cl. 137—78)



1. In apparatus of the character described, a portable conduit of coupled pipe sections having a plurality of water distributing outlets disposed along the upper portion thereof, a plurality of drain apertures disposed along the lower portion of said conduit, a drain valve contained entirely within the peripheral dimensions of said pipe sections at each of said drain apertures for opening and closing the same, and a control station having means for controlling the flow of irrigation water into said conduit and the opening and closing of said drain valves.

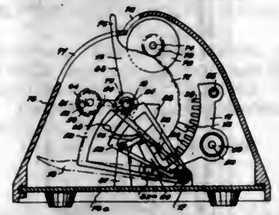
2,561,297
BRAKE HEAD
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 13, 1947, Serial No. 791,541
9 Claims. (Cl. 188—236)



1. A bisymmetrical railway brake head adapted for selectively mounting brake shoes of different dimensions comprising a pair of spaced substantially parallel vertical side walls, said walls having corresponding end portions thereof offset toward each other and having bearing portions intermediate said end portions aligned transversely of said head for mounting said head on an associated brake member, reinforcing ribs integral with said end portions, a front web extending transversely of said side walls interconnecting the same at their forward edges and

merging with the end portions thereof and with said ribs, a pair of laterally spaced end lugs at opposite ends of said front web, a pair of spaced intermediate lugs between said pairs of end lugs, and a pair of auxiliary lugs between each intermediate lug and pair of end lugs, said auxiliary and intermediate lugs being adapted for mounting an associated friction shoe of certain dimensions and all of said lugs being adapted for mounting a shoe of certain other dimensions.

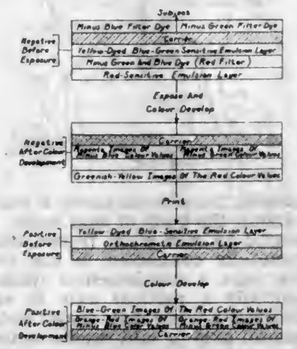
2,561,298
IMPULSE TRANSMITTER FOR AUTOMATIC TELEPHONE SYSTEMS
Joseph Vanheerswynghels, Brussels, Belgium
Application January 30, 1948, Serial No. 5,221
11 Claims. (Cl. 179—90)



1. An impulse transmitter for an automatic telephone system which comprises in combination, a plurality of individual characters, manually operable selector means, respectively associated with said characters for selecting any desired character or combination of said characters, electric circuit means, impulse generating means including first switch means, in said circuit means and also including actuating means for said first switch means to produce a train of a predetermined and the same number of impulses for each of said characters, movable means, second switch means carried by said movable means, and associated with said circuit means, actuating means operable to bring about movement of said movable means by said selector means to thereby cause actuation of said second switch means by said selector means in accordance with the selected character or characters, third switch means also associated with said circuit means, control means operatively connected to said impulse generating means and arranged respectively to neutralize one or a plurality of superfluous impulses of an impulse train in accordance with the character or characters desired to be transmitted.

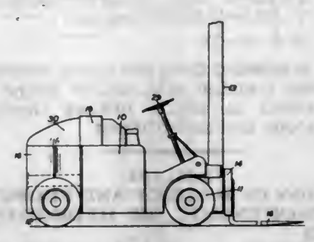
2,561,299
COLOR CINEMATOGRAPHY
Hans von Fraunhofer, London, England
Application March 7, 1946, Serial No. 652,810
In Great Britain July 23, 1945
1 Claim. (Cl. 95—2)

A process for the production of colour motion pictures which give the effect of a three-colour analysis by means of a combination of additive and subtractive principles, said process comprising producing in a first layer of a two-layer negative film having a first light-sensitive emulsion layer of at least red sensitivity and a second light-sensitive emulsion layer of only orthochromatic sensitivity a series a consecutive frames each recording uniform density images only of red colour values of a photographed subject, producing in said orthochromatic emulsion second layer of said two layer negative film a first series of alternate frames recording images from said subject only of blue-green colour values of minus blue density and a second series of frames alternating with said first series recording images from said subject only of blue-green colour values of minus green density, converting the images in the frames of the series of the first layer to greenish-yellow, converting the images in both series of the second layer to magenta, printing in a single operation by means



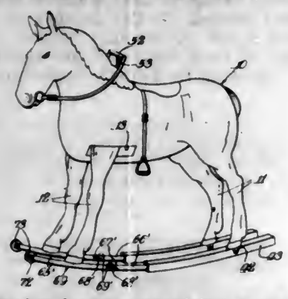
of exposure through both layers of the thus coloured two-layer negative film both layers of a two-layer positive film having an orthochromatic-sensitive emulsion first layer protected by a yellow filter and a blue-sensitive emulsion second layer, colouring the images formed in the first layer of the positive orange-red, and colouring the images formed in the second layer of the positive blue-green.

2,561,300
INDUSTRIAL TRUCK
Daniel Norman Walker, Birmingham, England, assignor to Coventry Climax Engines Limited, Coventry, England, a British company
Application September 24, 1949, Serial No. 117,520
In Great Britain September 24, 1948
2 Claims. (Cl. 214—113)



1. A truck comprising a body portion, load carrying means at one end of said body portion and a bulkhead at the other end, wheels supporting said load carrying end, a boom fixed in connection with said bulkhead and projecting rearwardly therefrom, a counterweight portion, a bore in said counterweight portion, said boom engaging in said bore whereby said counterweight portion is rockably mounted about a substantially central horizontal axis, means resiliently opposed to and limiting said rocking movements, a vertical bore in each side of said counterweight portion, a shaft rotatable in each bore, a bracket on the lower end of each shaft, a steerable wheel carried by each bracket, and steering mechanism connected to the upper ends of said shafts.

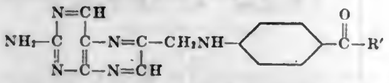
2,561,301
GALLOPING HORSE
Frank J. Weglarz, Chicago, Ill.
Application November 6, 1948, Serial No. 58,770
5 Claims. (Cl. 280—1.177)



1. A galloping horse comprising a main frame mounted within the body of said horse, rear legs rigidly secured to said main frame, rear rocker sections pivotally connected to the lower ends of said rear legs, a supplemental frame pivoted on substantially a vertical axis to said main frame, front legs having their upper ends pivoted on a horizontal axis to said supplemental frame, front rocker sections including segments pivoted together, certain of said segments being pivoted to the lower ends of said front legs and telescopically engaging said rear rocker sections, a handle bar mounted on said main frame, a vertical shaft secured to and extending from said bar, and means for operatively connecting said shaft to said supplemental frame for steering said horse.

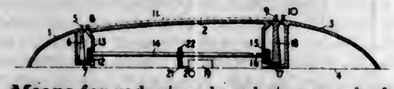
2,561,302
SUBSTITUTED PTERIDINES AND METHODS FOR OBTAINING THE SAME
Eugene L. Wittle and George W. Moersch, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application October 6, 1947, Serial No. 778,278
5 Claims. (Cl. 260—251.5)

1. A compound of the formula,



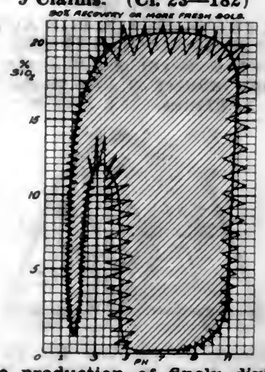
where R′ is selected from the group consisting of an aliphatic α-amino acid residue bound to the —CO— group in amide linkage through its nitrogen atom, and salts thereof.

2,561,303
REDUCTION OF DRAG OF AND PROPULSION OF AERODYNAMIC OR HYDRODYNAMIC BODIES
Frank Whittle, Rugby, England, assignor to Power Jets (Research and Development) Limited, London, England, a British company
Application February 19, 1948, Serial No. 9,595
In Great Britain June 23, 1943
12 Claims. (Cl. 114—67)



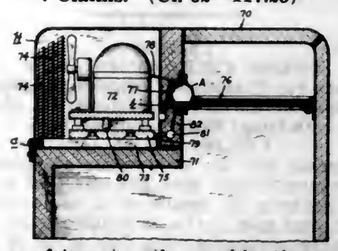
1. Means for reducing drag between a body and a fluid moving relatively to and in contact with said body comprising energy exchange means for absorbing energy from the boundary layer at an upstream region of said body, and further energy exchange means for imparting energy to the boundary layer at a downstream region of said body whereby the boundary layer being laminar in character is substantially thickened between said regions.

2,561,304
PROCESS FOR THE PRODUCTION OF FINELY DIVIDED AMORPHOUS SILICA
James Frederic Hazel, Havertown, Pa., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 30, 1947, Serial No. 783,131
9 Claims. (Cl. 23—182)



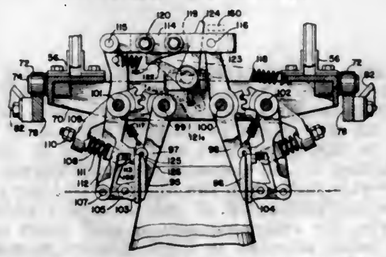
1. In the production of finely divided amorphous SiO_2, the process which comprises diluting and lowering the pH of a commercial alkali metal silicate solution to a value within the range of from 1 to 12 to produce a silica sol tending to gel upon standing and having a concentration of SiO_2 within the range of from 2 to 30 per cent by weight, completely freezing said silica sol before gelation takes place and within a time period of not substantially over an hour, thawing and recovering the resulting finely divided precipitate of SiO_2; the said silica sol having a ratio of SiO_2 to the alkali metal oxide, which is free to combine therewith, of at least 5 to 1 and containing the electrolytes originally present in said commercial silicate solution as well as those formed in lowering the pH.

2,561,305
SECONDARY HEAT EXCHANGER IN REFRIGERATION SYSTEM
Alexander S. Limpert and Robin J. Limpert, Bay Shore, N. Y.
Application April 21, 1947, Serial No. 742,874
7 Claims. (Cl. 62—117.25)



6. In a refrigerator, the combination comprising a thermally insulated cabinet having a cooling compartment, a main refrigerating circuit, including a primary evaporator and a primary condenser, means for circulating refrigerant through said circuit, a secondary condenser of high heat-radiating capacity which comprises two portions, one of which is spaced from the primary condenser and externally mounted on and directly attached to said cabinet and exposed to air currents external of the cabinet, and the other portion being in intimate thermal contact with said primary condenser, said secondary condenser having a refrigerating circuit entirely distinct from the primary refrigerating circuit, a secondary evaporator being disposed in good heat exchange relation to the primary evaporator and having an individual refrigerant circuit entirely distinct from the primary circuit, said primary evaporator, primary condenser, primary refrigerating circuit and means for circulating refrigerant therein being removable as a unit from said refrigerator without the breaking of any joints in the circulatory system thereof and without in any way disturbing the secondary condenser that is attached to said cabinet.

2,561,306
GRIPPER FOR THE TOPS OF BAGS, SACKS, AND THE LIKE
Helmer Anderson, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Original application May 13, 1943, Serial No. 486,918. Divided and this application April 10, 1947, Serial No. 740,689
11 Claims. (Cl. 248—99)



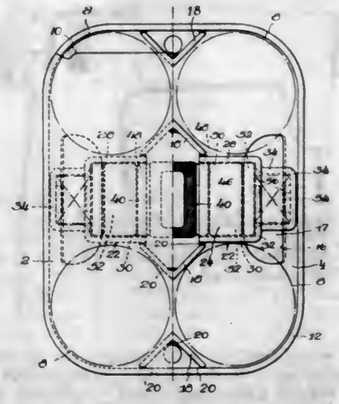
1. In mechanism of the class described, means for gripping and suspending a bag by its top comprising pairs of gripper jaws, the inner jaws being smooth and the outer jaws roughened to more firmly grip the bag, the jaws of each pair being pivotally mounted so that the jaws approach each other as the outer jaw moves down with respect to the inner jaw whereby the weight of the bag tends to cause said jaws to more firmly grip the bag.

2,561,307
TETRAHYDRO PYRAN AND FURAN DERIVATIVES AND PROCESS OF PRODUCING THE SAME
John W. Copenhaver, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 13, 1948, Serial No. 59,976
4 Claims. (Cl. 260—333)

1. The process which comprises reacting a lower alkyl acetal, with an α, β-unsaturated cyclic ether selected from the group consisting of dihydropyran and dihydrofuran and their α-methyl homologues at a temperature of from 0–100° C. in the presence of an acid reacting catalyst.

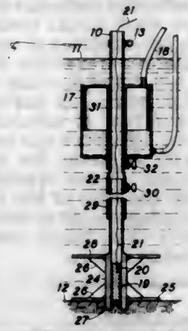
2,561,308
SPRING GROUP
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 22, 1944, Serial No. 564,648
13 Claims. (Cl. 267—9)

1. A spring group comprising top and bottom plates, pairs of coil springs confined therebetween, and a friction device interposed between said pairs comprising spaced housings fixed to one of said plates, a follower fixed to the other of said plates intermediate said housings, said follower having opposed vertical friction surfaces adjacent respective housings, each of said housings receiving therewithin a friction shoe in engagement with one of said surfaces, a wedge



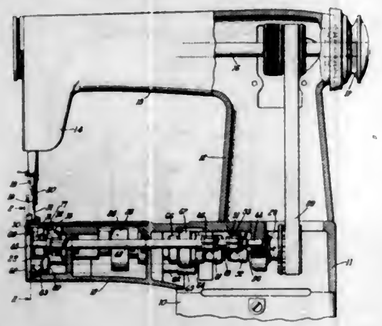
member in wedge engagement with said shoe, and resilient means compressed between said wedge member and a side of said housing, each of said wedge members and friction shoes having engagement with vertically spaced walls of the associated housing, and abutment stops in each housing engageable with the associated wedge member for limiting the compression of said resilient means.

2,561,309
METHOD AND APPARATUS FOR SEISMIC UNDERWATER PROSPECTING
Philip P. Gaby, Oakland, Calif., assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application August 27, 1948, Serial No. 46,418
4 Claims. (Cl. 181—.5)



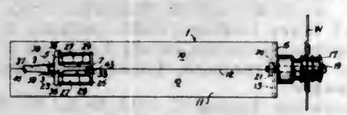
1. In underwater seismic surveying, the steps of placing an isolated explosive charge in substantially direct contact with the surface of the earth below an unconfined body of water, exploding said charge, and directing products of the explosion in a confined continuous stream to the atmosphere and under the influence of the primary impulse from said explosion, whereby occurrence of secondary waves in said body of water is prevented.

2,561,310
FEEDING MECHANISM FOR SEWING MACHINES
Arthur N. Hale, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 28, 1948, Serial No. 67,704
12 Claims. (Cl. 112—215)



1. A work-feeding mechanism for sewing machines having a work-support, comprising a feed-dog, a rotary actuating shaft journaled beneath said work-support, feed-dog advance and return mechanism including a rock-shaft operatively connected to said rotary shaft, and feed-dog lift mechanism including a pair of rock-shafts operatively connected to be driven by said rotary shaft.

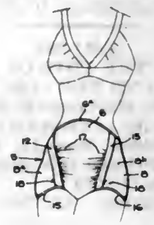
2,561,311
INSULATOR SUPPORT
Clifford Homann, Humboldt Township, Coles County, Ill.
Application January 8, 1949, Serial No. 69,897
13 Claims. (Cl. 248—220.5)



1. An electric fence-wire insulator support comprising an elongate sheet metal bracket adapted for the mounting of an insulator at one end thereof, said bracket having a transverse slot adjacent its other end and a longitudinal slot leading into the transverse slot providing an angular aperture for receiving a fence post of angular cross section, and a snubbing lug struck out from the material of the bracket adjacent the aperture extending longitudinally of the bracket from the transverse slot with the edge of the lug adjacent the transverse slot adapted for snubbing engagement with the part of a fence post extending through the transverse slot.

2,561,312
SWIMMING TRUNKS
Margit Fellegi Laszlo, Los Angeles, Calif., assignor to Cole of California, Inc., Los Angeles, Calif., a corporation of California
Application April 28, 1947, Serial No. 744,446
2 Claims. (Cl. 2—67)

1. In a trunk garment: a body encircling means comprising, a front panel having a curved upper boundary and opposite side edges adapted to follow substantially the groin lines of the garment, said boundary curving upwardly between said edges, and a portion forming the back and sides of the garment and having an upper boundary extending downwardly from the upper extremities of said edges forming a waist accommodating opening sloping downwardly toward the rear, said portion having edges opposite the edges of said panel, said panel and said portion being transversely elastic and cooperating to provide thigh openings of resiliently restricted size, said edges of said panel and said portion extending respectively between said thigh openings and said waist accommodating opening; elastic elements joining respectively



the said opposite edges of the panel and said back portion, pleats formed in said panel and ranging transversely from the side edges thereof over an area of the panel such as to avoid fullness in the upper part of the panel to inhibit stretching of said elements adjacent thereto, and to provide fullness in the lower part of the panel to permit stretching of said elements adjacent thereto, the restricted size of said thigh openings being adapted to limit upward movement of the lower portion of the garment whereby said elastic elements urge the waist accommodating opening downwardly tensioning the upper portion of said panel over the abdomen.

2,561,313
UNSATURATED OIL-SOLUBLE COPOLYMERS
Theodore P. Malinowski, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 10, 1948, Serial No. 64,712
12 Claims. (Cl. 260—23)

1. A process for preparing a new copolymer which comprises reacting a mixture of 2–8 molecular proportions of alpha-methyl styrene and 1 molecular proportion of maleic anhydride at a temperature of 0–85° C. in the presence of fuller's earth as a catalyst.

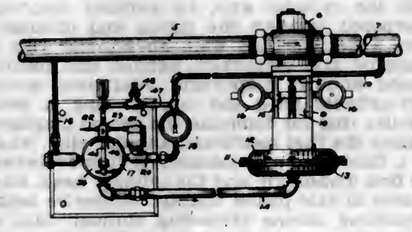
2,561,314
PLASTICIZED POLYVINYL FORMAL RESIN
William R. Richard, Ann Arbor, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 13, 1947, Serial No. 779,656
9 Claims. (Cl. 260—31.8)

1. A composition having improved plasticizer retentivity at elevated temperatures comprising a polyvinyl formal resin plasticized with an alkyl phthalyl alkyl glycolate in which the alkyl groups contain less than 5 carbon atoms and the phthalyl radical is a member of the group consisting of 3-chlorophthalyl and 4-chlorophthalyl radicals.

2,561,315
PLASTICIZED POLYVINYL FORMAL RESIN
William R. Richard, Ann Arbor, Mich., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 13, 1947, Serial No. 779,657
9 Claims. (Cl. 260—31.8)

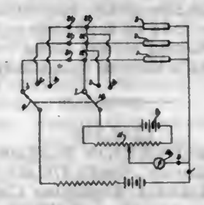
1. A composition having improved plasticizer retentivity at elevated temperatures comprising a polyvinyl formal resin plasticized with an alkyl phthalyl alkyl glycolate in which the phthalyl group is derived from a phthalic acid from the group consisting solely of 3-nitro phthalic acid and 4-nitro phthalic acid and in which the alkyl groups contain less than 5 carbon atoms.

2,561,316
REDUCING AND CUTOFF VALVE FOR HEATING SYSTEMS
Alden Rogers, New Haven, Conn., assignor to Anna F. Wheeler, Malden, Mass.
Application December 30, 1947, Serial No. 794,471
4 Claims. (Cl. 50—10)



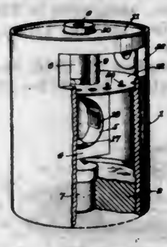
1. A control for a heating system having a reducing valve establishing high and low pressure sides thereof, said control comprising means yieldably maintaining said valve open, a pressure operable unit to close said valve against the action of said yieldable means, a valve body, first and second control conduits in communication with the interior of said body, the first of said conduits, when connected to said high pressure side admitting high pressure steam into said body, and a second of said conduits constituting a bleeder line, when connected to said low pressure side, a shut-off valve in control of said second control conduit, a third conduit in communication with said unit and the interior of said body, and valve means in control of said first and second control conduits, said valve means being interconnected so that when one of them is moved to increase the steam volume that may flow through one control conduit, the other valve means is moved to decrease the flow through the other control conduit, an operator control for said valve means to set and hold them in any one of a plurality of partially opened positions thereby to establish and maintain an operating pressure on said unit to adjust the pressure in said low pressure side, said valve in said bleeder line being operable to block the flow of steam under pressure therethrough, thereby to effect a pressure build-up on said unit to close said reducing valve.

2,561,317
MEASURING CIRCUIT FOR CONDITION RESPONSIVE IMPEDANCES
Arthur C. Ruge, Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application April 10, 1945, Serial No. 587,635
2 Claims. (Cl. 73—88.5)



1. Apparatus responsive to a change of condition to be measured comprising, in combination, a plurality of electrical impedance devices adapted to undergo a change of impedance in response to a change of the condition, a power circuit for supplying current to said electrical impedance devices including contacts for selectively connecting said devices into said power circuit, a second circuit responsive to changes of the electrical impedance of any one of the connected impedance devices including contacts for selectively connecting said devices into said second circuit in the same sequence as said power circuit selecting means, means also included in said second circuit for detecting said changes of impedance, and said power circuit also including a ballast resistor whereby variable changes in resistance across said power circuit contacts are relatively small compared to said resistor thereby to maintain a substantially uniform current flow through said power circuit, whereby the response of the detecting means is substantially independent of the resistance of said power circuit contacts.

2,561,318
RING TYPE FORCE MEASURING DYNAMOMETER
Arthur C. Ruge, Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application February 17, 1949, Serial No. 76,957
12 Claims. (Cl. 201—63)



1. A load weighing device comprising a strain sensitive element which in a given plane parallel to an axis along which load is to be applied to the element has a perimeter of rectangular shape and also has a transverse hole therethrough whose axis intersects said plane, said sensitive element having relatively rigid wall sections between the hole and perimeter at spaced locations around the hole so as to be subject to minimum strain in response to load and substantially diametrically opposed intermediate wall sections that are thinner than said rigid sections thereby forming areas of localized load induced strain

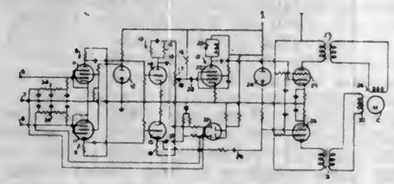
concentrations, means for transmitting load to said sensitive element along the load axis and being of smaller dimension than the width of said hole when measured normal to the load axis in a projection on said given plane, said load transmitting means being located adjacent two of the substantially diametrically opposed localized strain areas substantially on the load axis, and electrical impedance strain responsive means secured to the surface of said element adjacent to one of said localized strain areas for measuring the surface strains thereof as an indication of the applied load.

2,561,319

TWO-PHASE INDUCTION MOTOR CONTROL

Raymond A. Runyan, South Glastonbury, Conn., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application February 11, 1949, Serial No. 75,800
7 Claims. (Cl. 318—28)



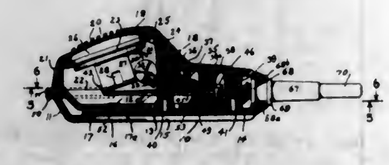
1. Means for controlling, by variance from a phase opposed condition of two control voltages, of a two phase motor having two power inputs that require for motor operation application of two voltages in phase quadrature relation, comprising; means for amplifying one such control voltage to motor power voltage level and for applying such amplified voltage to one said motor input, means for summarizing such control voltages to produce a resultant in phase quadrature relation to such amplified motor control voltage, and means for amplifying such resultant to motor power voltage level and for applying such amplified resultant voltage to the second motor input.

2,561,320

COMBINED MICROPHONE AND SWITCH

Robert L. Stone, Guilford, and Frank E. Runge, Branford, Conn., assignors to The Soundscriber Corporation, New Haven, Conn., a corporation of Connecticut

Application November 15, 1946, Serial No. 710,028
1 Claim. (Cl. 179—158)



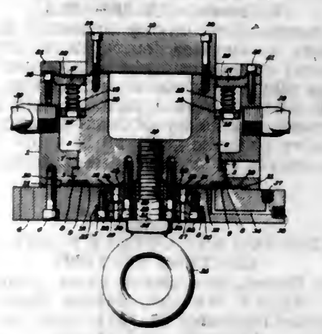
In a combined microphone and switch holder, a perforated hollow upper casing, a hollow base attached to said casing, a microphone unit located within one end of said casing, a transverse rectangular control switch in circuit with said microphone unit located within the other end of said holder, and a resilient strip clamped between said casing and said base and engaging said microphone unit for yieldably pressing said unit against said casing.

2,561,321

HYDRAULIC WEIGHING CELL

Malcolm C. Tate, Stamford, Conn., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania

Application May 21, 1949, Serial No. 94,664
5 Claims. (Cl. 137—157)



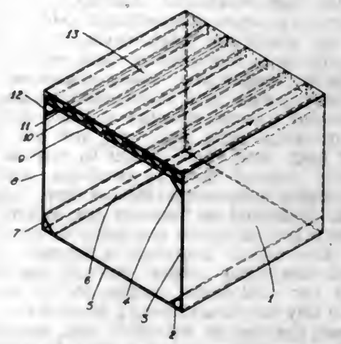
1. A force measuring device, comprising, in combination, a cylinder, a piston adapted to have axial movement within the cylinder, a cylinder head having an opening substantially coaxial with the cylinder axis, an annular diaphragm interposed between the piston and cylinder to form a flexible fluid wall, an annular ring for clamping said diaphragm against said piston, a second annular diaphragm interposed between said cylinder head and annular ring, a second annular ring for clamping the second diaphragm against the first mentioned annular ring, whereby a fluid pressure chamber is formed between the first diaphragm and the cylinder head, means formed in said piston adapted to receive tension supporting means extending through said annular rings, and an external fluid connection with said chamber for transmitting fluid pressure produced therein in response to the force applied to the piston.

2,561,322

METAL SEAMLESS TUBE TABLE

Samuel Victor, Chicago, Ill., now by judicial change of name, Sam Women Sam

Application March 25, 1948, Serial No. 17,032
3 Claims. (Cl. 311—1)



1. A table comprising a substantially rectangular seamless integral tube whose opposite ends are open, the horizontal top wall of said tube being of a length and width suitable for use as a table top, the vertical side walls of said tube being of a height suitable as the height for a table, said tube having a horizontal seamless integral sheet substantially coextensive with said horizontal top wall of said tube, positioned below and close to said horizontal top wall, opposite edges of said horizontal sheet being formed integrally with said vertical side walls of said tube; said tube also comprising a plurality of sheets extending coaxially in relation to the axis of said rectangular tube interposed between said horizontal top wall and said horizontal sheet, extending from said horizontal top wall to said horizontal sheet, whose top and bottom edges are formed integrally with said horizontal top wall and said horizontal sheet respectively, and whose side edges are substantially coterminous with the side edges of said horizontal top wall and said horizontal sheet along said opposite open ends of said rectangular tube; said top horizontal wall, said horizontal sheet, said plurality of coaxially extending sheets and the portion of said side walls interposed between said horizontal top wall and said horizontal sheet altogether combining to form an integral assemblage of the total elements of a triangular truss construction substantially coextensive with said horizontal top wall substantially as described; said rectangular tube, said horizontal sheet and said plurality of coaxially extending sheets being integral elements of said table.

2,561,323

METHOD OF PREPARING GLUTAMIC ACID MONO ESTERS

Coy Webster Waller, Pearl River, N. Y., and John Christie Paterson, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 21, 1948, Serial No. 66,568
9 Claims. (Cl. 260—482)

1. A method of preparing a gamma lower alkyl ester of glutamic acid which comprises mixing glutamic acid, a lower aliphatic alcohol and a substantially anhydrous mineral acid, allowing the reaction to take place for from ¼ hour to 6 hours, precipitating the product with an organic alkaline substance and recovering said glutamic acid mono ester therefrom.